68th IAC

International Astronautical Congress

ADELAIDE, AUSTRALIA
25 - 29 SEPTEMBER 2017

TECHNICAL PROGRAMME

www.iac2017.org

Industry Anchor Sponsor

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BOEING

GLAVKOSMOS TODAY

1. Coordination of the international projects of ROSCOSMOS State Space Corporation
2. Provision of Earth observation data from a Russian satellite constellation
3. Integrated solutions in creating satellite systems of various application (design and production; launch; ground station; personnel training)
4. Turnkey solutions for Earth observation, telecommunications, space research and exploration
5. Marketing research and analytics, training
6. Export control
7. Export of Russian space equipment
8. Projects in manned spaceflights
9. Operating, through GK Launch Services, of Soyuz 2 commercial launches from Vostochny, Baikonur, and Plesetsk Space Centers
10. Main Russian Subcontractor for Soyuz-ST commercial launches in the Guiana Space Center (South America, department of France)

68TH IAC
ADELAIDE 2017

ASTRONAUTICA AD PACEM HOMINUMQUE PROGRESSUM

Contents

1 Welcome Messages

Message from the IAF Vice President for Technical Activities

Welcome to the 68th International Astronautical Congress, taking place in Adelaide, Australia, in September 25-29, 2017. It is a great pleasure to introduce the exciting technical programme for this year's congress in which 1750 authors from 70 countries worldwide present their latest research, newest innovations, and vision for the future of space.

The highlights of IAC 2017 are: 179 technical sessions covering all the aspects of space, 13 keynote lectures, 1600 oral presentations, 400 interactive presentations, IP Award Ceremony and Student Competition.

Such an impressive lining up of presentations stands as a testimony for the trust the space community has developed over the years for IAC series. Thanks to all the members of the International Programme Committee, especially the Symposium Coordinators and Co-Chairs of the concerned Sessions who have done an excellent job of putting together such a rich, varied and unique technical programme.

We encourage you to take time to network with likeminded professionals, debate your science with colleagues and friends, and share the results of your work and to learn something new. We also thank all the authors who submitted their innovative work to IAC this year. Finally, we thank all IAC participants as we rely on you to make this event interactive, engaging, and thought provoking for everyone involved.

Otto Koudelka
VP Technical Activities,
International Astronautical Federation (IAF),
Austria

Welcome Message from the Chairs of the IAC Evolution Coordination Steering Group

Dear Colleagues,

Welcome to the 68th International Astronautical Congress!!! This year, we visit Australia, the 'Land Down Under,' for what promises to be one of the most interesting, innovative, and productive IAC's ever. Since we last met, the Cassini Mission has finished its spectacular 19-year mission, which included the descent of the ESA-provided Huygens probe to the surface of Titan. China launched their Tianzhou-1 Space Station resupply and logistics mission, and commercial space efforts continue to show progress with successful launches of SpaceX Falcon-9, RocketLab's launch of the Electron vehicle and more!

Australia is well known for its robust and diverse flora and fauna, and our Federation is no less robust, nor less diverse. From all corners of the world, and from many walks of life, we come together as a community of peaceful space exploration enthusiasts, participants, and professionals to share our accomplishments, to discuss our challenges, and to set a course for the future of our collaborative efforts. We will gather under the southern sky, to see the amazing Magellanic Clouds, the famous "Southern Cross" constellation, and Canopus, the second brightest star in the sky some 313 light years from Earth, and with a luminosity of more than 10,000 suns. And while we enjoy the exciting view of space above, we are certain to have an equally exciting view here in Adelaide of our many activities in space which unlock our imagination, foster new and useful innovations, and make the planet a safer and more sustainable home for us and those who follow.

Welcome and enjoy!

John Horack
Special Adviser to the IAF President for the IAF Global Innovation Agenda 2016-2019,
United States

Clay Mowry
VP for Financial Matters and IAC Evolution, International Astronautical Federation (IAF),
United States

2 Information

2.1 Information for Authors

All authors are asked to upload their manuscripts and multimedia presentations prior to the Congress in order to make them available to all participants on the online Proceedings of the 68th IAC. You can still update your manuscripts through the IAF platform: www.iafastro.net and multimedia presentations with the latest developments in the Speaker Preparation Room.

Your presentation will be automatically preloaded on the computer in the Technical Session Room. Please note that speakers are not allowed to insert USB memory sticks into the computers in the Technical Session rooms. Therefore, all updates need to be uploaded before the technical session takes place.

Our help desk team will assist you in uploading presentations during operating hours. Speakers are requested to report to their allocated Technical Session room 20 minutes prior to the start of their session to meet with their Session Chair and to check their presentation. Do not forget to bring two printed courtesy copies of your manuscript and a backup copy of your presentation. Some Session Chairs might also ask you for a short biography to introduce you at the session.

2.2 Congress Proceedings

The IAC 2017 proceedings are available on a password protected site.

The Congress participants will be provided on 25th September with a link and online password to login and access the congress proceedings.

If you did not receive the password, please contact : support@iafastro.org

Please note: the congress proceedings contain only those papers that were submitted for publication by congress presenters and may not contain all papers presented at the congress.

IAC papers will be indexed in the largest cited reference enhanced multidisciplinary databases: Elsevier's SCOPUS and Compendex.

2.3 Speaker Preparation Room

Location: Adelaide Convention Centre, Hall L

Authors who missed the deadline for presentation submission (14th September) or who wish to update/review their presentation can do so in the Speaker Preparation Room.

Authors are required to bring a back-up copy of their presentation on a USB Memory Stick. Video content should be saved as separate files.

Opening hours:
Sunday 24 September, 14:00-18:00
Monday 25 September - Thursday 28 September, 08:30-18:00
Friday 29 September, 08:30-13:00

2.4 Certificates of Attendance and Presentation

Certificates of Attendance and Presentation are available on request at the IAF Secretariat Office (Hall L). Claims of hours of applicability toward professional education requirements are the responsibility of the participant.

2.5 Acta Astronautica

Chairpersons/Rapporteurs of IAC Technical Sessions can preselect from their session a few high quality papers (up to 2 or 3 each session) for inclusion in the peer reviewing as a regular article of the Acta Astronautica (AA) Journal.

Questions about Acta Astronautica can be addressed to the International Academy of Astronautics:

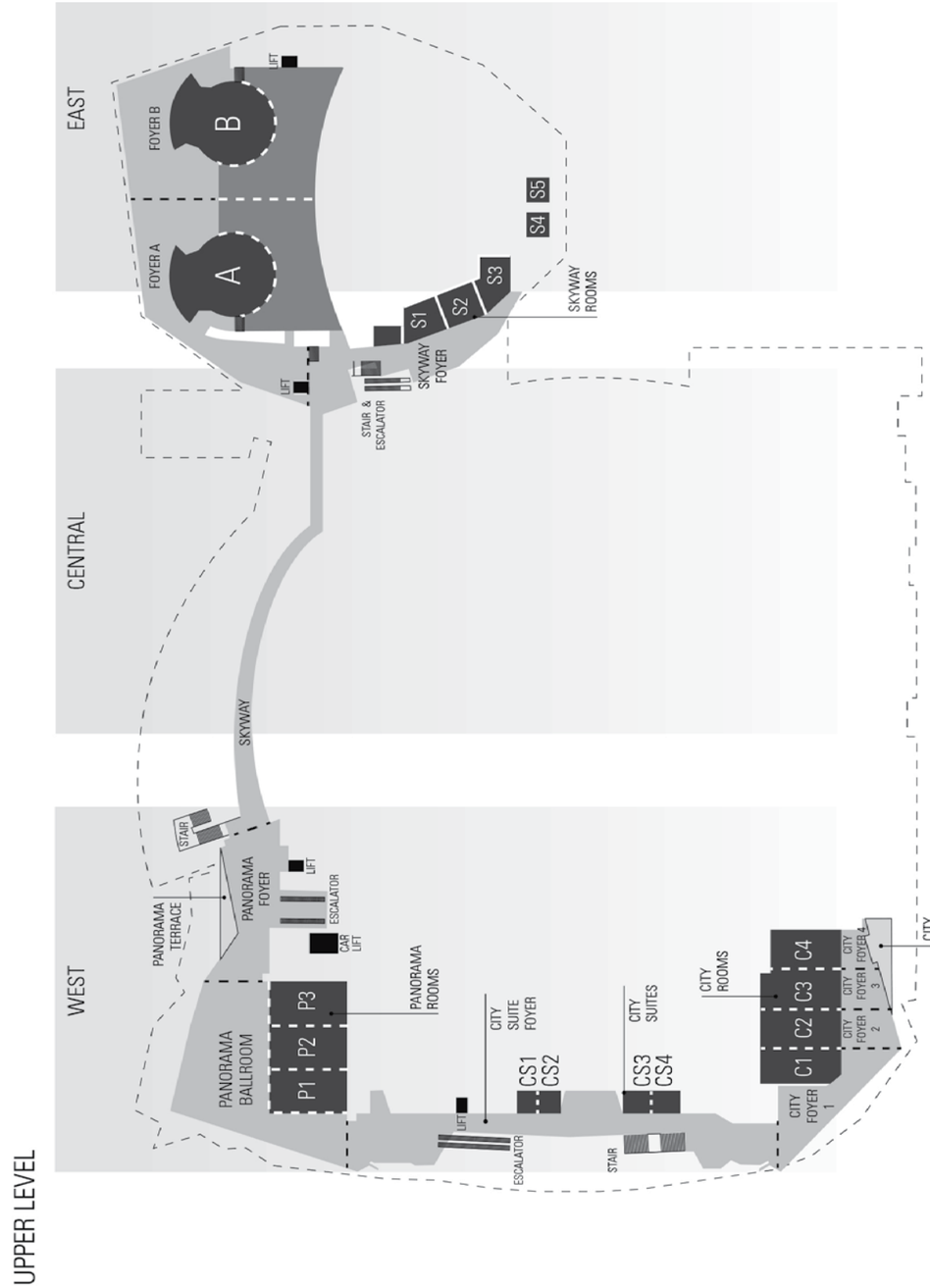
Rock Jeng-Shing Chern, Editor-in-Chief: editor-in-chief@iaamail.org

Eva Yi-Wei Chang, Managing Editor: managing-editor@iaamail.org

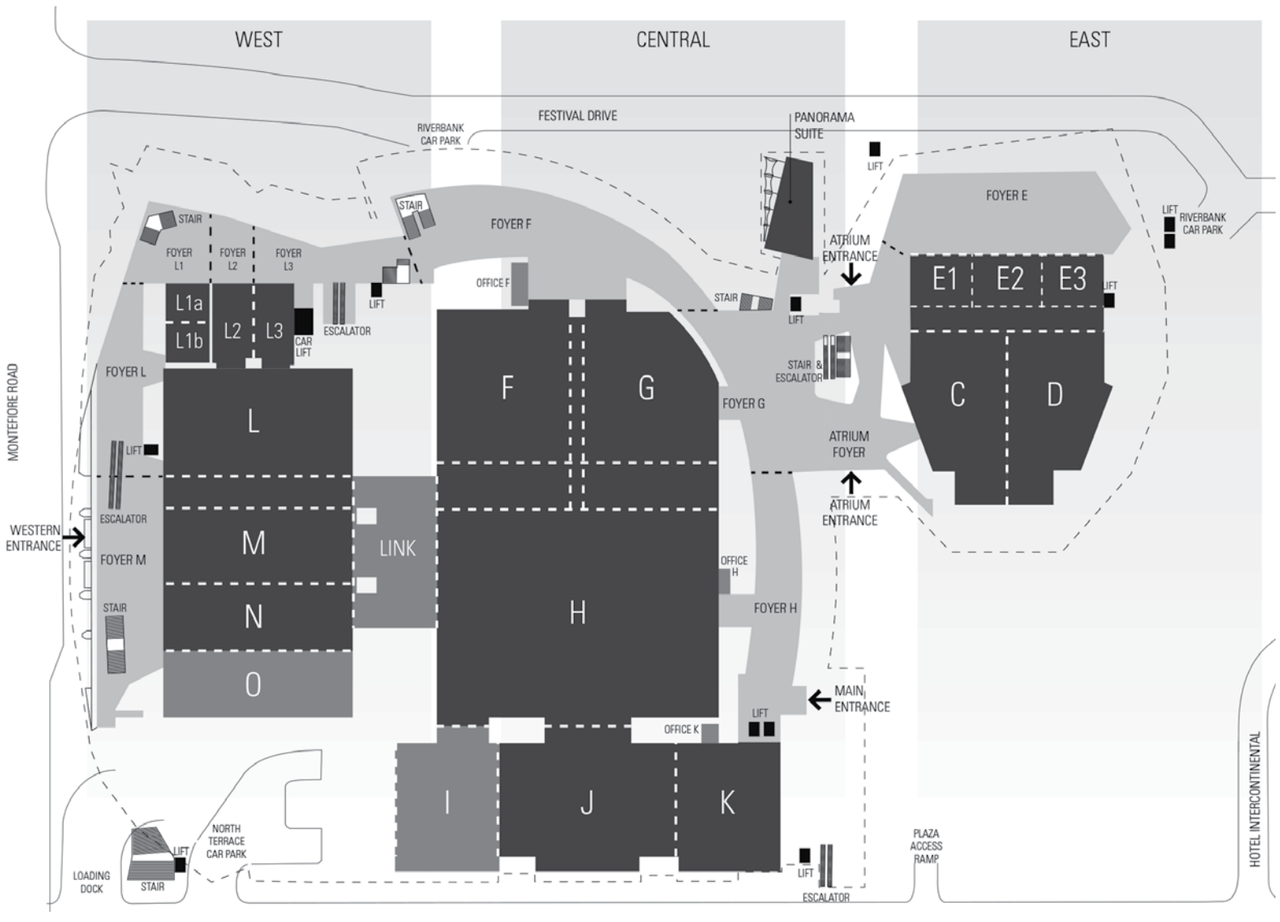
2.6 Contact

For any queries about the Technical Programme please contact the IAF Secretariat at support@iafastro.org

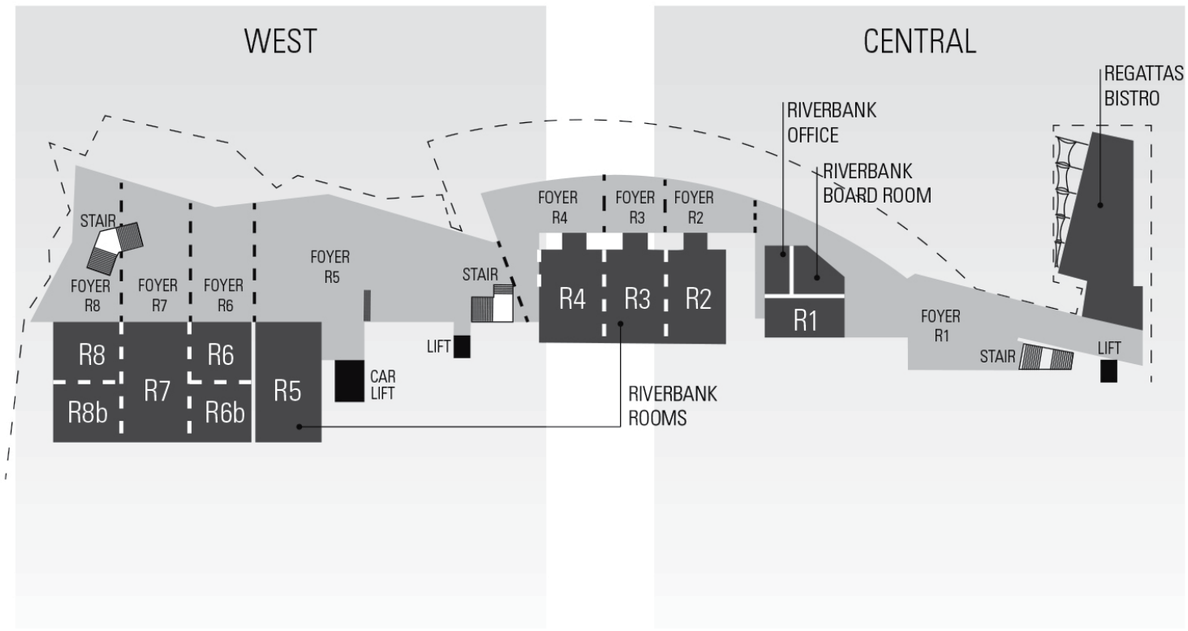
2.7 Congress Venue Floor Plans



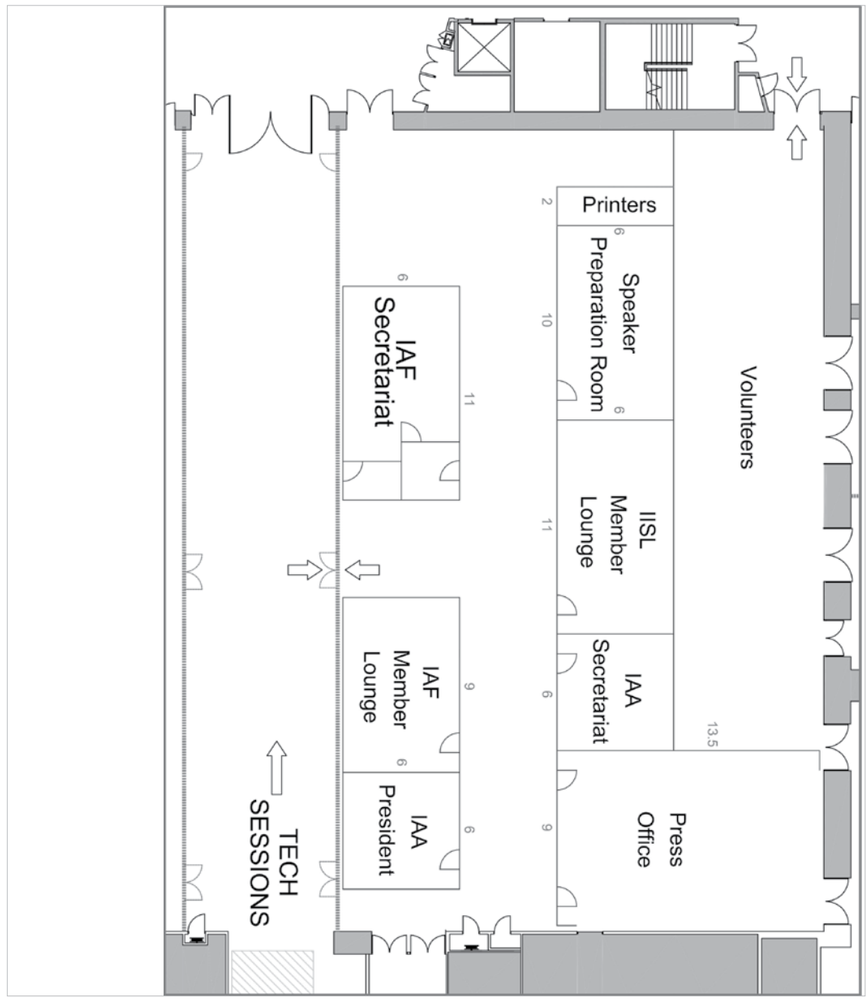
GROUND LEVEL



LOWER LEVEL



Hall L



3 Technical Sessions

3.1 Technical Session at a Glance

Time / Room (Monday - Thursday)	2017-09-25	2017-09-26	2017-09-26	2017-09-27	2017-09-27	2017-09-28	2017-09-28	Time / Room (Friday)	2017-09-29	2017-09-29
	15:15-18:15	09:45-12:45	14:45-17:45	09:45-12:45	14:45-17:45	09:45-12:45	14:45-17:45		09:00-11:00	11:00-13:00
Hall N	A3.1	A3.2A	A3.2B	A3.3A	A3.3B	A3.4A	A3.5	Hall N	A3.2C	A3.4B
Hall O	D2.1	D2.2	D2.7	D2.3	D2.4	D2.5	D2.6	Hall O	D2.8/A5.4	D6.2/D2.9
Hall A	C1.1	C1.2	C1.3	C1.4	C1.5	C1.6	C1.7	Meeting Room L6	C1.8	C1.9
Hall E1	A6.1	A6.2	A6.4	A6.3	A6.9	A6.5	A6.6	Hall E1	A6.7	A6.8
Panorama Room 1	B4.2	B4.1	B4.3	B4.4	B4.5	B4.6A	B4.6B	Panorama Room 1	B4.8	B4.7
Hall E2	B1.1	B1.2	A5.2	B1.3	A5.1	B1.6	B1.5	Hall E2	B1.4	B4.10/A6.10
City Room 3	B3.1	B3.2	B3.3	B3.4/B6.5	C3.3	B3.5	B3.6/A5.3	City Room 3	B3.7	B3.8/E7.7
Hall E3	C4.1	C4.2	C4.9	C4.3	C4.4	C4.5	C4.6	Hall E3	C4.7/C3.5	C4.8/B4.5A
Panorama Room 2	C2.1	C2.2	C2.3	C2.4	C2.5	C2.6	C2.7	Panorama Room 2	C2.8	C2.9
City Room 1	C3.1	C3.2	E5.1	E5.2	E5.3	E5.4	E5.5	City Room 1	B6.3	E8.1
City Room 2	A1.1	A1.2	A1.3	A1.4	A1.5	A1.6	C3.4	City Room 2	A1.7	A1.8
Panorama Room 3	E1.6	E1.3	E1.4	E1.8	E1.5	E1.7	E1.9	Panorama Room 3	E1.1	E1.2
Riverbank 3	D1.1	E6.1	D1.2	D1.3	D1.4A	D1.4B	D4.3	Riverbank 3	D1.5	D1.6
Meeting Room L2	E4.1	E7.1	E7.2	E7.3	E7.4	E4.3A	E4.2	Meeting Room L2	E7.5	E4.3B
Meeting Room L3	B2.1	B2.2	B2.3	B2.4	B2.5	B2.6	B5.2	Meeting Room L3	B5.1	B2.7
City Room 4	B6.1	E3.1	E3.2	E3.3	E3.4	E3.5/E7.6	B6.2	City Room 4	E3.6	C4.10
Hall B	A2.1	A2.2	A4.1	A2.3	A2.4	A4.2	A2.5	Meeting Room L1	A2.6	A2.7
Riiverbank 5	A7.1	A7.2	E6.2	D5.1	E6.3	D5.2	D5.3	Riverbank 5	D5.4	A7.3
Riverbank 4	D4.1	D3.1	E2.1	D3.2	D4.2	D3.4	D3.3	Riverbank 4	D4.5	D4.4
Riverbank 2	E2.3/GTS.4	D6.1	B4.9/GTS.5	E2.2	B3.9/GTS.2	D6.3	B2.8/GTS.3	Riverbank 2	E2.4	

Category A Science & Exploration A1--> A8
Category B Applications & Operations B1--> B6
Category C Technology C1--> C4
Category D Infrastructure D1--> D6
Category E Space and Society E1--> E8

3.2 Technical Sessions per Day

Monday, 25 September

Start time: 15:15 Technical Sessions

No	Description	Room
A2.1	Gravity and Fundamental Physics	Hall B
A3.1	Space Exploration Overview	Hall N
A6.1	Measurements	Hall E1
A7.1	Space Agency Strategies and Plans	Riverbank 5
B1.1	International Cooperation in Earth Observation Missions	Hall E2
B2.1	Advanced Space Communications and Navigation Systems	Meeting Room L3
B3.1	Governmental Human Spaceflight Programs (Overview)	City Room 3
B4.2	Small Space Science Missions	Panorama Room 1
B6.1	Ground Operations - Systems and Solutions	City Room 4
C1.1	Attitude Dynamics (1)	Hall A
C2.1	Space Structures I - Development and Verification (Space Vehicles and Components)	Panorama Room 2
C3.1	Space-Based Solar Power Architectures / Space & Energy Concepts	City Room 1
C4.1	Propulsion System (1)	Hall E3
D1.1	Innovative and Visionary Space Systems	Riverbank 3
D2.1	Launch Vehicles in Service or in Development	Hall O
D4.1	Innovative Concepts and Technologies	Riverbank 4
E1.6	Calling Planet Earth - Space Outreach to the General Public	Panorama Room 3
E2.3-GTS.4	Student Team Competition	Riverbank 2
E4.1	Memoirs & organisational histories	Meeting Room L2

Tuesday, 26 September

Start time: 09:45 Technical Sessions

No	Description	Room
A1.2	Human Physiology in Space	City Room 2
A2.2	Fluid and Materials Sciences	Hall B
A3.2A	Moon Exploration – Part 1	Hall N
A6.2	Modelling and Risk Analysis	Hall E1
A7.2	Science Goals and Drivers for Future Exoplanet, Space Astronomy, Physics, and Outer Solar System Science Missions	Riverbank 5
B1.2	Future Earth Observation Systems	Hall E2
B2.2	Fixed and Broadcast Communications	Meeting Room L3
B3.2	Commercial Human Spaceflight Programs	City Room 3
B4.1	18th Workshop on Small Satellite Programmes at the Service of Developing Countries	Panorama Room 1
C1.2	Attitude Dynamics (2)	Hall A
C2.2	Space Structures II - Development and Verification (Deployable and Dimensionally Stable Structures)	Panorama Room 2
C3.2	Wireless Power Transmission Technologies, Experiments and Demonstrations	City Room 1
C4.2	Propulsion System (2)	Hall E3
D2.2	Launch Services, Missions, Operations, and Facilities	Hall O
D3.1	Strategies & Architectures as the Framework for Future Building Blocks in Space Exploration and Development	Riverbank 4
D6.1	Commercial Space Flight Safety and Emerging Issues	Riverbank 2
E1.3	On Track - Undergraduate Space Education	Panorama Room 3
E3.1	International Cooperation - a cornerstone of 50 years UN Space Law and space diplomacy	City Room 4
E6.1	New space individuals, projects, programs, or business units: innovation, entrepreneurship & investment at the microscopic level of analysis	Riverbank 3
E7.1	9th Nandasiri Jasentuliyana Keynote Lecture on Space Law and Young Scholars Session	Meeting Room L2

Start time: 14:45 Technical Sessions

No	Description	Room
A1.3	Medical Care for Humans in Space	City Room 2
A3.2B	Moon Exploration – Part 2	Hall N
A4.1	SETI 1: SETI Science and Technology	Hall B
A5.2	Human Exploration of Mars	Hall E2
A6.4	Mitigation and Standards	Hall E1
B2.3	Mobile Satellite Communications and Navigation Technology	Meeting Room L3
B3.3	Utilization & Exploitation of Human Spaceflight Systems	City Room 3
B4.3	Small Satellite Operations	Panorama Room 1
B4.9-GTS.5	Small Satellite Missions Global Technical Session	Riverbank 2
C1.3	Guidance, Navigation & Control (1)	Hall A
C2.3	Space Structures - Dynamics and Microdynamics	Panorama Room 2
C4.9	Hypersonic Air-breathing and Combined Cycle Propulsion	Hall E3
D1.2	Space Systems Architectures	Riverbank 3
D2.7	Small Launchers: Concepts and Operations	Hall O
E1.4	In Orbit - Postgraduate Space Education	Panorama Room 3
E2.1	Student Conference - Part 1	Riverbank 4
E3.2	Private Endeavour in Space Exploration	City Room 4
E5.1	Architecture for humans in space: design, engineering, concepts and mission planning	City Room 1
E6.2	New space industry segments, firms, actor groups, and multiple programs: innovation, entrepreneurship & investment at the mesoscopic level of analysis	Riverbank 5
E7.2	'NewSpace', New Laws/ How governments can foster new space activities	Meeting Room L2

Wednesday, 27 September

Start time: 09:45 Technical Sessions

No	Description	Room
A1.4	The International Space Station in LEO and the Deep Space Habitat in Cis- Lunar Space as platforms for simulated Mars voyages	City Room 2
A2.3	Microgravity Experiments from Sub-Orbital to Orbital Platforms	Hall B
A3.3A	Mars Exploration – missions current and future	Hall N
A6.3	Hypervelocity Impacts and Protection	Hall E1
B1.3	Earth Observation Sensors and Technology	Hall E2
B2.4	Advanced Satellite Services	Meeting Room L3
B3.4-B6.5	Flight & Ground Operations of HSF Systems (A Joint Session of the Human Spaceflight and Space Operations Symposia)	City Room 3
B4.4	Small Earth Observation Missions	Panorama Room 1
C1.4	Guidance, Navigation & Control (2)	Hall A
C2.4	Advanced Materials and Structures for High Temperature Applications	Panorama Room 2
C4.3	Propulsion Technology (1)	Hall E3
D1.3	Technologies to Enable Space Systems	Riverbank 3
D2.3	Upper Stages, Space Transfer, Entry and Landing Systems	Hall O
D3.2	Systems and Infrastructures to Implement Future Building Blocks in Space Exploration and Development	Riverbank 4
D5.1	Safety and Quality for “Low Cost” Space Programs	Riverbank 5
E1.8	Hands-on Space Education and Outreach	Panorama Room 3
E2.2	Student Conference - Part 2	Riverbank 2
E3.3	The Demand Side of the Space Economic Equation: Understanding and Evaluating the Changing Market Dynamics in Space Activities	City Room 4
E5.2	Models for Successfully Applying Space Technology Beyond Its Original Intent	City Room 1
E7.3	Refugees and the role of space communications/Status and Practice of Charter for Man-made Disasters	Meeting Room L2

Start time: 14:45 Technical Sessions

No	Description	Room
A1.5	Radiation Fields, Effects and Risks in Human Space Missions	City Room 2
A2.4	Science Results from Ground Based Research	Hall B
A3.3B	Mars Exploration – Science, Instruments and Technologies	Hall N
A5.1	Human Exploration of the Moon and Cislunar Space	Hall E2
A6.9	Orbit Determination and Propagation	Hall E1
B2.5	Space-Based Navigation Systems and Services	Meeting Room L3
B3.9-GTS.2	Human Spaceflight Global Technical Session	Riverbank 2
B4.5	Access to Space for Small Satellite Missions	Panorama Room 1
C1.5	Guidance, Navigation & Control (3)	Hall A
C2.5	Smart Materials and Adaptive Structures	Panorama Room 2
C3.3	Advanced Space Power Technologies and Concepts	City Room 3
C4.4	Electric Propulsion	Hall E3
D1.4A	Space Systems Engineering - Methods, Processes and Tools (1)	Riverbank 3
D2.4	Future Space Transportation Systems	Hall O
D4.2	Contribution of Space Activities to Solving Global Societal Issues	Riverbank 4
E1.5	Enabling the Future - Developing the Space Workforce	Panorama Room 3
E3.4	Assuring a Safe, Secure and Sustainable Space Environment for Space Activities	City Room 4
E5.3	Contemporary Arts Practice and Outer Space: A Multi-Disciplinary Approach	City Room 1
E6.3	New space at the national, international, and overall industry levels: innovation, entrepreneurship & investment at the macroscopic level of analysis	Riverbank 5
E7.4	Space law Developments in Asia-Pacific: Diverging national space legislation with regard to the applicability of space law to suborbital flights	Riverbank 3

Thursday, 28 September

Start time: 09:45 Technical Sessions

No	Description	Room
A1.6	Astrobiology and Exploration	City Room 2
A3.4A	Small Bodies Missions and Technologies (Part 1)	Hall N
A4.2	SETI 2: SETI and Society	Hall B
A6.5	Space Debris Removal Issues	Hall E1
B1.6	Big Data, Data Cubes and new platforms to exploit large-scale, multi-temporal EO Data	Hall E2
B2.6	Near-Earth and Interplanetary Communications	Meeting Room L3
B3.5	Astronaut Training, Accommodation, and Operations in Space	City Room 3
B4.6A	Generic Technologies for Small/Micro Platforms	Panorama Room 1
C1.6	Mission Design, Operations & Optimization (1)	Hall A
C2.6	Space Environmental Effects and Spacecraft Protection	Panorama Room 2
C4.5	Propulsion Technology (2)	Hall E3
D1.4B	Space Systems Engineering - Methods, Processes and Tools (2)	Riverbank 3
D2.5	Technologies for Future Space Transportation Systems	Hall O
D3.4	Space Technology and System Management Practices and Tools	Riverbank 4
D5.2	Knowledge management and collaboration in space activities	Riverbank 5
D6.3	Enabling safe commercial spaceflight: vehicles and spaceports	Riverbank 2
E1.7	New Worlds - Non-Traditional Space Education and Outreach	Panorama Room 3
E4.3A	History of Australia’s Contribution to Astronautics	Meeting Room L2
E5.4	Space Assets and Disaster Management	City Room 1
E7.6-E3.5	32nd Joint IAA/IISL Round Table: Technological and legal challenges for on-orbit servicing	City Room 4

13:15 - 14:45 Interactive Presentations Session

Location: Adelaide Convention Centre - Halls J & K2

No	Description	Room
A1.IP	SPACE LIFE SCIENCES SYMPOSIUM	Hall J&K2
A2.IP	MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	Hall J&K2
A3.IP	SPACE EXPLORATION SYMPOSIUM	Hall J&K2

A5.IP	20th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	Hall J&K2
A6.IP	15th IAA SYMPOSIUM ON SPACE DEBRIS	Hall J&K2
A7.IP	SYMPOSIUM ON FUTURE SPACE ASTRONOMY AND SOLAR-SYSTEM SCIENCE MISSIONS	Hall J&K2
B1.IP	EARTH OBSERVATION SYMPOSIUM	Hall J&K2
B2.IP	SPACE COMMUNICATIONS AND NAVIGATION SYMPOSIUM	Hall J&K2
B3.IP	HUMAN SPACEFLIGHT SYMPOSIUM	Hall J&K2
B6.IP	SPACE OPERATIONS SYMPOSIUM	Hall J&K2
C1.IP	ASTRODYNAMICS SYMPOSIUM	Hall J&K2
C2.IP	MATERIALS AND STRUCTURES SYMPOSIUM	Hall J&K2
C3.IP	SPACE POWER SYMPOSIUM	Hall J&K2
C4.IP	SPACE PROPULSION SYMPOSIUM	Hall J&K2
D1.IP	SPACE SYSTEMS SYMPOSIUM	Hall J&K2
D2.IP	SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS SYMPOSIUM	Hall J&K2
D3.IP	15th IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE EXPLORATION AND DEVELOPMENT	Hall J&K2
E1.IP	SPACE EDUCATION AND OUTREACH SYMPOSIUM	Hall J&K2
E3.IP	30th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND ECONOMICS	Hall J&K2
E5.IP	28th IAA SYMPOSIUM ON SPACE AND SOCIETY	Hall J&K2
E6.IP	BUSINESS INNOVATION SYMPOSIUM	Hall J&K2
E7.IP	60th IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	Hall J&K2

Start time: 14:45 Technical Sessions

No	Description	Room
A2.5	Facilities and Operations of Microgravity Experiments	Hall B
A3.5	Solar System Exploration	Hall N
A6.6	Space Debris Removal Concepts	Hall E1
B1.5	Earth Observation Applications and Economic Benefits	Hall E2
B2.8-GTS.3	Space Communications and Navigation Global Technical Session	Riverbank 2
B3.6-A5.3	Human and Robotic Partnerships in Exploration - Joint session of the Human Spaceflight and Exploration Symposia	City Room 3
B4.6B	Generic Technologies for Nano/Pico Platforms	Panorama Room 1
B5.2	Integrated Applications End-to-End Solutions	Meeting Room L3
B6.2	New Space Operations Concepts and Advanced Systems	City Room 4
C1.7	Mission Design, Operations & Optimization (2)	Hall A
C2.7	Space Vehicles – Mechanical/Thermal/Fluidic Systems	Panorama Room 2
C3.4	Small and Very Small Advanced Space Power Systems	City Room 2
C4.6	New Missions Enabled by New Propulsion Technology and Systems	Hall E3
D2.6	Future Space Transportation Systems Verification and In-Flight Experimentation	Hall O
D3.3	Novel Concepts and Technologies to Enable Future Building Blocks in Space Exploration and Development	Riverbank 4
D4.3	Conceptualizing Space Elevators and Tethered Satellites	Riverbank 3
D5.3	Prediction, Measurement and Effects of space environment on space missions	Riverbank 5
E1.9	Space Culture – Public Engagement in Space through Culture	Panorama Room 3
E4.2	Scientific & technical histories	Meeting Room L2
E5.5	Space Societies, Professional Associations and Museums	City Room 1

Friday, 29 September

Start time: 09:00 Technical Sessions

No	Description	Room
A1.7	Life Support, habitats and EVA Systems	City Room 2
A2.6	Microgravity Sciences Onboard the International Space Station and Beyond - Part 1	Meeting Room L1 (a&b)
A3.2C	Moon Exploration – Part 3	Hall N
A5.4-D2.8	Joint-session: Space Transportation Solutions for Deep Space Missions	Hall O
A6.7	Operations in Space Debris Environment, Situational Awareness	Hall E1
B1.4	Earth Observation Data Management Systems	Hall E2
B3.7	Advanced Systems, Technologies, and Innovations for Human Spaceflight	City Room 3
B4.8	Small Spacecraft for Deep-Space Exploration	Panorama Room 1
B5.1	Tools and Technology in Support of Integrated Applications	Meeting Room L3
B6.3	Mission Operations, Validation, Simulation and Training	City Room 1
C1.8	Orbital Dynamics (1)	Riverbank 6 (a&b)
C2.8	Specialised Technologies, Including Nanotechnology	Panorama Room 2
C4.7-C3.5	Joint Session on Advanced and Nuclear Power and Propulsion Systems	Hall E3
D1.5	Lessons Learned in Space Systems: Achievements, Challenges, Best Practices, Standards.	Riverbank 3
D2.8-A5.4	Space Transportation Solutions for Deep Space Missions	Hall O
D4.5	Space Mineral Resources, Asteroid Mining and Lunar/Mars insitu	Riverbank 4
D5.4	Cyber-security threats to space missions and countermeasures to address them	Riverbank 5
E1.1	Ignition - Primary Space Education	Panorama Room 3
E2.4	Educational Pico and Nano Satellites	Riverbank 2
E3.6	Strategic Risk Management for successful space programmes	City Room 4
E7.5	Current Developments in Space Law	Meeting Room L2

Start time: 11:00 Technical Sessions

No	Description	Room
A1.8	Biology in Space	City Room 2
A2.7	Microgravity Sciences Onboard the ISS and Beyond	Meeting Room L1 (a&b)
A3.4B	Small Bodies Missions and Technologies (Part 2)	Hall N
A6.10-B4.10	Joint Small Satellite/Space Debris Session to promote the long-term sustainability of space	Hall E2
A6.8	Policy, Legal, Institutional and Economic Aspects of Space Debris Detection, Mitigation and Removal (joint session with Space Security Committee)	Hall E1
A7.3	Technology Needs for Future Missions, Systems, and Instruments	Riverbank 5
B2.7	Advanced Technologies for Space Communications and Navigation	Meeting Room L3
B4.7	Highly Integrated Distributed Systems	Panorama Room 1
C1.9	Orbital Dynamics (2)	Riverbank 6 (a&b)
C2.9	Advancements in Materials Applications and Rapid Prototyping	Panorama Room 2
C4.10	Propulsion Technology (3)	City Room 4
C4.8-B4.5A	Joint Session between IAA and IAF for Small Satellite Propulsion Systems	Hall E3

D1.6	Cooperative and Robotic Space Systems	Riverbank 3
D2.9-D6.2	Joint-Session Creating Safe Transportation Systems for Sustainable Commercial Human Spaceflight	Hall O
D4.4	Strategies for Rapid Implementation of Interstellar Missions: Precursors and Beyond	Riverbank 4
E1.2	Lift Off - Secondary Space Education	Panorama Room 3
E4.3B	“Can you believe they put a man on the Moon?”	Meeting Room L2
E7.7-B3.8	Joint IAF/IISL Session on Legal Framework for Collaborative Space Activities	City Room 3
E8.1	Multilingual Astronautical Terminology	City Room 1

4 Keynote Speakers

25 SEPTEMBER 2017

E1	SPACE EDUCATION AND OUTREACH SYMPOSIUM	Date	TIme	Room
	**Session: 6** – Calling Planet Earth – Space Outreach to the General Public	2017-09-25	15:15	Panorama Room 3

Lynn Cominsky
Professor and Chair, Department of Physics and Astronomy Director,
SSU Education and Public Outreach Group Sonoma State University

KEYNOTE: Building the STEM Pipeline with Rockets, UAVs and CubeSats

Biography:
Lynn Cominsky is the Chair of the Physics and Astronomy Department at Sonoma State University (SSU), and the founder and director of SSU’s Education and Public Outreach Group, which develops educational materials for NASA, NSF and the US Department of Education. She is a Fellow of the California Council on Science and Technology, the American Physical Society, the American Association for the Advancement of Science and the California Academy of Sciences. Recent individual awards include the 2014 Aerospace Awareness award from the Women in Aerospace organization, the 2015 Sally Ride Excellence in Education Award from the American Astronautical Society, the 2016 Education Prize from the American Astronomical Society, and the 2016 Wang Family Excellence Award from the California State University.

Abstract:
Prof. Lynn Cominsky will discuss educational innovations that use rockets, drones and satellites to integrate science, technology, engineering and mathematics for students in grades 6-14. Through NASA-funded programs, under-represented California high school and community college students have built experimental payloads that are launched on rockets and/or flown on unmanned aerial vehicles (UAVs). In 2013, Cominsky's undergraduate physics students built and successfully operated their first CubeSat, T-LogoQube, in partnership with students from Morehead State University in Kentucky. Through NASA’s Undergraduate Student Instrumentation Project, the Sonoma State University small satellite program continues, with a second CubeSat currently under construction. Following an anticipated launch in 2018, “EdgeCube” will be able to test the use of the “red edge” – a chlorophyll transition in the near-infrared - to make global measurements of the health of the Earth’s vegetation.

C3	SPACE POWER	Date	TIme	Room
	**Session: 1** – Space-Based Solar Power Architectures / Space & Energy Concepts	2017-09-25	15:15	City Room 1

John C. Mankins
Chief Operating Office,
ARTEMIS Innovation Management Solutions, LLC,
United States

KEYNOTE: Implications of Advances in Hyper-Modular Space Solar Power Architectures for Terrestrial Energy and the Development & Settlement of Space

Biography:
John C. Mankins, President of Artemis Innovation Management Solutions LLC is an internationally recognized leader in space systems and technology innovation, and as a highly effective manager of large-scale technology R&D programs. He holds undergraduate (Harvey Mudd College) and graduate (UCLA) degrees in Physics and an MBA in Public Policy Analysis (The Drucker School at Claremont Graduate University). Mr. Mankins is a member of the International Academy of Astronautics (IAA) and Chair of the Academy Commission III (Space Systems and Technology Development); and a member of the International Astronautical Federation (IAF), the American Institute of Aeronautics and Astronautics (AIAA), and the Sigma Xi Research Society. Mr. Mankins is an accomplished communicator, including political, programmatic, technical and lay audiences. He has authored or co-authored more than 80 published papers, reports and other technical documents, and has testified before Congress on several occasions, and has been consulted on R&D management and space issues with organizations in the U.S. and internationally.

C4	SPACE PROPULSION	Date	TIme	Room
	**Session: 1 –** Propulsion System (1)	2017-09-25	15:15	Hall E3

Dayong Zheng
Deputy Director,
Beijing Aerospace Propulsion Institute (BAPI),
China

KEYNOTE: Development Status of the Cryogenic Oxygen/Hydrogen YF -77 Engine for Long-March 5

Biography:
Dayong Zheng, an experienced expert in aerospace prolusion, was born on August, 1978.
Mr. Zheng earned a master degree of aeronautics propulsion from Nanjing University of Aeronautics and Astronautics in 2005 and then began his career in Beijing Aerospace Propulsion Institute (BAPI). He began his duty as a system designer of Chinese first high-thrust cryogenic engine, YF-77 in 2005. In 2015, Mr. Zheng wsa assigned as the deputy director of the Main Propulsion Division and lead a professional team to advance the missions and goals of China's space program. During his career in BAPI, Mr. Zheng has also commit himself to development of clearner, reusable and low cost space propulsion technology. Because of his earnest support and permanent endeavor to the project, one 60-ton LOX/Methane reusable engine has been successfully developed and demonstrated over 2170 seconds and 17 mission cycles in 2016.

26 SEPTEMBER 2017

E7	60th IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	Date	TIme	Room
	**Session: 1 –** 9th Nandasiri Jasentuliyana Keynote Lecture on Space Law and Young Scholars Session	2017-09-26	09:45	Meeting Room L2

Peter Jankowitsch
President,
International Academy of Astronautics (IAA),
Austria

KEYNOTE: The Outer Space Treaty – Its First Fifty Years

Biography:
Dr. Peter Jankowitsch has represented Austria in a number of capacities with multiple organizations, participating in high-level advisory and policy bodies. Notably, he was Permanent Representative to the United Nations (New York), the OECD and ESA in the Austrian Foreign Service; the Austrian Minister of Foreign Affairs; and member of the Austrian Parliament. While Chair of UN COPUOS (1972–1991), several of the UN space treaties as well as some of the Principles on state activities in space were adopted.
An Honorary Board Member of the IISL, he is also a commander of the Legion d'Honneur and the recipient of numerous other awards.

Abstract:
The 50th anniversary of the conclusion of the Outer Space Treaty, an innovative and creative projection of cardinal principles of international law into Outer Space, requires a broad examination of its overall achievements as well as its shortcomings, seen against the spectacular scientific and technological advances in the exploration and uses of Outer Space. How well it has withstood the test of times can best be gauged from the extent to which its main principles have been respected by its numerous states parties.
The Treaty's roles and functions must also be evaluated against a proliferation of other, softer forms of space law, now seeming to be preferred by most space fearing nations, from non-binding UN GA Resolutions to national space legislation.
Space Traffic Management serves as an example for the need to inject principles of the Treaty into future international and/or national regulatory mechanisms, absent a real international regime as a Protocol or amendment to the current Outer Space Treaty.
The question finally arises whether the United Nations, as the single law making body in space law, will use this anniversary to strengthen and modernize the law of Outer Space when, later this year, the General Assembly will discuss a draft resolution on the 50th anniversary of the Outer Space Treaty.

B4	24th IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	Date	TIme	Room
	**Session: 9-GTS.5 –** Small Satellite Missions Global Technical Session	2017-09-26	14.45	Riverbank 2

Pierre Molette
Engineer,
International Academy of Astronautics (IAA),
France

KEYNOTE: Small satellites: an initiative and a continuous support by the IAA

Biography:
Retired from Astrium, he has completed all his career at ESA and in the space industry (Matra-Astrium). A system engineer, he contributed to the development of the first European communication satellites and of the follow-on Eurostar platforms and communication satellite projects. He contributed to the development of the Ariane launcher and has been involved in manned space systems development and utilisation. He has also had a continuous interest in quality of programmes and organisations. He is Member of the International Academy of Astronautics and Fellow Member of the French 3AF (Association Aéronautique et Astronautique de France)

Abstract:
The paper presents the early contribution of the International Academy of Astronautics (IAA) to promote the concept, development and use of small satellites. Several meetings and workshops held in the early 90's have led the Academy to initiate a strong support to the development and use of small satellites. For instance the Academy provided contributions to a meeting of the Scientific and Technical Committee of the United Nations COPUOS (Committee for the Peaceful Utilization of Outer Space) in 1996, and to the United Nations Space Conference UNISPACE III in 1997-1999. Important aspects raised in these contributions will be recalled: access to advanced technology; development of space missions in science or applications such as communications or remote sensing; hands-on training; fostering of international cooperation. Two decades later these are still valuable guidelines for the development and use of small satellites.

C4	SPACE PROPULSION	Date	TIme	Room
	**Session:** 2 – Propulsion System (2)	2017-09-26	09:45	Hall E3

Vasily Novozhilov
Director of the Centre for Environmental Safety and Risk Engineering (CESARE),
University of Victoria,
Australia

KEYNOTE: Boris Novozhilov: Life and Contribution to the Physics of Combustion

Biography:
Professor Vasily Novozhilov is a Director of the Centre for Environmental Safety and Risk Engineering (CESARE) at Victoria University, Australia.
His research expertise is in the areas of Fire Safety Science, Combustion, Heat Transfer, Computational Fluid Dynamics, and Applied Mathematics.
Prof. Novozhilov held research and academic appointments at the Institute for Problems in Mechanics (Russian Academy of Sciences), University of Sydney, Nanyang Technological University, University of Ulster.
He contributed over 130 technical publications, delivered a number of keynote and invited presentations, is a recipient of a number of international awards as well as an Editorial Board member of several leading international journals.
Major research achievements of Prof. Novozhilov are related to de-velopment of analytical and comprehensive CFD models for fire dynamics and combustion problems.

Abstract:
Professor Boris Novozhilov passed away on February 19th, 2017 in Moscow. He is best known for his fundamental contribution to the theory of solid propellant combustion, for which he was awarded Zeldovich Gold Medal for outstanding contribution to the theory of combustion by The Combustion Institute in 1996.
The presentation gives a brief overview of Prof. B. Novozhilov's biography followed by discussion of his major technical contributions to the theory of combustion.

The discussion is framed around four technical topics:
- Zeldovich-Novozhilov (ZN) theory of solid-propellant nonsteady combustion including the theory fundamentals, propellant combustion stability, burning rate oscillations and associated nonlinear effects, transient propellant extinction, and extension of the theory incorporating gas phase inertia
- Studies on the theory of thermal explosion
- spin combustion
- chaotic regimes of propellant combustion

27 SEPTEMBER 2017

C4	SPACE PROPULSION	Date	TIme	Room
	**Session: 4** – Electric Propulsion	2017-09-27	14:45	Hall E3

Mariano Andrenucci
Head,
Propulsion Division,
Sitael Spa,
Italy

KEYNOTE: Electric Propulsion: Gearing Up for a Spacefaring Future

Biography:
Professor of Electric Propulsion at the University of Pisa, where he has been on the Faculty of Engineering since 1977. Visiting professor of Spacecraft Propulsion at Syracuse University, USA, in 1983. General Chairman of the International Electric Propulsion Conference in 1991 and in 2007. Founder of the Centrospazio Research Centre in Pisa in 1989. Founder of the Alta company in the year 2000, later to become SITAEL (2015). Currently Head of SITAEL's Space Propulsion Division. Awardee of the ERPS Ernst Stuhlinger Medal for Oustanding Achievement in Electric Propulsion in 2011. Research Fields: Electric Rocket Propulsion, chemical rocket propulsion, energy conversion, orbital mechanics, space systems. Has authored or co-authored over 200 scientific publications, mainly in the propulsion sector.

Abstract:
Different types of EP technology have already proved capable of answering the propulsion needs of current mission categories, from all-electric telecom satellites to interplanetary exploration probes. In addition, EP has started unleashing its potential as a game-changing technology, enabling missions of novel conception, such as space tugs and microsatellite constellations and paving the way for a new era of exploration and exploitation of our interplanetary neighborhood. Advanced propulsion technologies combined with nuclear power generation may help extend our reach from the cislunar to the translunar space by 2025 and to Mars and beyond by the mid 2030s. By the end of this century, the basis for the transition of our species from an earthly to a spacefaring civilization may already be firmly established. This presentation reviews the status of different EP concepts and highlights current development trends and mid/long term programs undertaken to sustain this effort.

C1	ASTRODYNAMICS SYMPOSIUM	Date	TIme	Room
	**Session: 5** – Guidance, Navigation & Control (3) KEYNOTE: Invariant Manifods in Astrodynamics	2017-09-27	14:45	Hall A

Filippo Graziani
President and CEO,
G.A.U.S.S. Srl,
Italy

KEYNOTE: 23rd John V. Breakwell Memorial Lecture: APPLIED ASTRODYNAMICS: FROM DYADICS TO UNIVERSITY SATELLITES

Biography:
Filippo Graziani has been professor of Astrodynamics at Aerospace Engineering School of Sapienza University of Roma for thirtyfive years till 2012 when he retired and has been dean of the School from 2004 to 2010. He is Member of the International Academy of Astronautics (IAA) and Member of IAA Trustees Board. His didactical and research activity has been mainly directed towards the "hands-on" space educational programs.
He participated in the main Italian space programs starting with the San Marco satellites in 1970 and he was the team leader of the Italian University Satellites Program (UNISAT) with the aim of designing, manufacturing, launching microsatellites with his students. Ten microsatellites have been launched since 2000.
In 2012 he founded the company GAUSS (Group of Astrodynamics for the Use of Space Systems) as a spin-off of the Aerospace Engineering School, active in the space technology field and he is President and CEO. He is author of more than 200 tecnical papers on Astrodynamics and Space Systems. He is Co-Editor of Acta Astronautica since 2009. He received the "Utkin Golden Medal" for international relationship between Russia and Italy for University Satellites Launches and the "M.K.Yangel -100 years Golden Medal" for the contribution to the development of space science in the world. He is a participant of the IAF Conferences since 1975

Abstract:
The use of dyadics and polyadics is a very effective tool to understand the space engineering problems as well as a powerful way to represent complex phenomena. The notation is compact and helps to retain a clearer interpretation giving a relevant insight in Astrodynamics. The most remarkable simplification is achieved when the effect of a perturbation is considered in Astrodynamics problems.
The Gravity Gradient Dyadic and the Inertia Dyadic play important roles in Astrodynamics Applications for Earth orbiting satellites. The lecture will encompass different examples of this concept , including the J2 and third bodies direct effects, the tidal or indirect effects, the Launcher Trajectory Optimization and Optimal Guidance since the Lawden PRIMER vector obeys to a dynamics fully described by the Earth Gravity Gradient, the Tethered Systems, the Earth-Moon tranfers with ballistic capture.
A Lunar Mission for University microsatellites is proposed: the practical way for universities and companies, focused on research, to exploit Applied Astrodynamics.

C4	SPACE PROPULSION	Date	TIme	Room
	**Session: 3** – Propulsion Technology (1)	2017-09-27	09:45	Hall E3

Tom Martin
Senior Manager,
Strategy & Business Development Aerojet Rocketdyne,
United States

KEYNOTE: The Aerojet Rocketdyne AR1 Staged Combustion Booster Rocket Engine

Biography:
ITom Martin is currently Senior Manager, Strategy & Business Development for National Security & Commercial Launch at Aerojet Rocketdyne. In this role he is responsible for the overall strategy for Aerojet Rocketdyne's current and future products related to Defense and Commercial Space Launch with a focus on the Evolved Expendable Launch Vehicle programs. Additionally, he is responsible for development of AR's approach to commercial launch activities. Mr Martin has held numerous Program Management and technical roles of increasing importance in both large and small programs. Mr. Martin received a MS in Aeronautical & Astronautical Engineering from Purdue University and an MBA in Strategy and Finance from the University of Southern California.

Abstract:
Aerojet Rocketdyne is currently in development of the AR1 liquid rocket engine. AR1 is a 500,000 lbf-class, oxygen-rich, kerosene-fueled, staged combustion rocket engine. AR1 will power U.S. Evolved Expendable Launch Vehicles (EELV) and eliminate dependence on foreign supplied booster propulsion systems for critical National Security Space launches. AR1 is being developed in a partnership with the United States Air Force under an Other Transaction Authority agreement. AR1's core design features make it an attractive solution for numerous launch vehicle booster stage applications. The AR1 design leverages Aerojet Rocketdyne's extensive experience in the design and production of the large liquid rocket engines to ensure a low risk solution. It also leverages advanced manufacturing technologies being pioneered by Aerojet Rocketdyne, including Additive Manufacturing and advanced alloys for oxygen-rich environments. The AR1 development program has completed significant milestones to date is on track for Qualification in 2019.

C2	MATERIALS AND STRUCTURES SYMPOSIUM	Date	TIme	Room

Session: 4 – Advanced Materials and Structures for High Temperature Applications | 2017-09-27 | 09:45 | Panorama Room 2

Suraj Rawal
Technical Fellow in the Advanced Technology Center,
Lockheed Martin Space Systems Company,
United States

KEYNOTE: Paolo Santini Memorial Lecture: Materials and Structures Technology insertion into Spacecraft Systems: Successes and Challenges

Biography:
Dr. Rawal is the Technical Fellow in the Advanced Technology Center, Lockheed Martin Space Systems Company. He got his PhD in Materials Science & Engineering at Brown University-
Dr. Rawal has about 30 years of experience in the applied materials and structures research for spacecraft systems, and he has successfully inserted new materials technologies into the components of several spacecraft.

Abstract:
This presentation: Materials and Structures Technology insertion into Spacecraft Systems: Successes and Challenges, includes a brief overview of the technology development and successful insertion of advanced material technologies into spacecraft structures.
In last three decades, significant advancements have led to the use of multifunctional materials and structures technologies in spacecraft systems. This includes the integration of adaptive structures, advanced composites, nanotechnology, and additive manufacturing technologies. Development of multifunctional structures has been directly influenced by the implementation of processes and tools for adaptive structures pioneered by Prof. Paolo Santini. Multifunctional materials and structures incorporating non-structural engineering functions such as thermal, electrical, radiation shielding, power, and sensors have been investigated. The result has been an integrated structure that offers reduced mass, packaging volume, and ease of integration for spacecraft systems. Overall, opportunities and challenges to develop and mature next generation advanced materials and structures are presented

A1	SPACE LIFE SCIENCES SYMPOSIUM	Date	TIme	Room

Session: 4 – The International Space Station in LEO and the Deep Space Habitat in Cis-Lunar Space as platforms for simulated Mars voyages | 2017-09-27 | 09:45 | City Room 2

Sam Scimemi
Director, International Space Station,
National Aeronautics and Space Administration (NASA),
United States

KEYNOTE: The First Detection of Gravitational Waves

Biography:
Mr. Scimemi is the Director for International Space Station at NASA Headquarters. His duties include implementing policy and programmatic direction and ensuring safe and productive ISS operations and utilization. He engages with the White House and Congress, as well as international space agency leaders around the world regarding human spaceflight issues.
Mr. Scimemi has been a leader in human spaceflight for 33 years. He has worked at 4 NASA centers including Johnson, Ames, Goddard and Headquarters. He has been at Headquarters since 2003.
He earned a Bachelor of Science in Mechanical Engineering from McNeese State University in 1984.

Abstract:
One of the key missions of the International Space Station is to conduct the research and technology demonstrations that will allow humans to go beyond LEO into deep space for long duration missions. These activities span human health and performance, life support, radiation mitigation, logistics, rendezvous and docking, EVA systems, and many other areas that will be applied to NASA's next steps in exploration; the cislunar Gateway and the Deep Space Transportation. Mr. Scimemi's keynote will highlight NASA's next steps in exploration and how ISS activities are enabling those next steps that lead up to performing a "shakedown cruise" in cislunar space.

28 SEPTEMBER 2017

A3	A3 SPACE EXPLORATION	Date	TIme	Room

Session: 4A – Small Bodies Missions and Technologies (Part 1) | 2017-09-28 | 09:45 | Hall N

Roger X. Lenard
Systems Engineer,
LPS,
United States

KEYNOTE: Technology Needs for Exploiting Asteroid Resources

Biography:
Roger Lenard is a retired Air Force officer who holds a Bachelor of Science in physics and a Master of Science in chemical physics. In 1991 Roger was selected to be part of President Bush's Space Exploration Initiative, working for General Thomas Stafford. He was the Mars exploration team co-lead with Mr. Douglas Cook of NASA Johnson Space Center. In 1993 Roger retired from the Air Force and began working for Sandia National Laboratories. In 2000 Roger became a part-time Sandian and began to consult for the Air Force and NASA on the X-37 and hydrogen peroxide fueled upper stage. He worked extensively on the Jupiter Icy Moons Orbiter program for the Northrop Grumman team, who won the JIMO contract. Roger has authored numerous papers and holds several patents and has many documented technical advances to his credit. He is a full academician with the International Astronautical Academy.

29 SEPTEMBER 2017

A3	SPACE EXPLORATION SYMPOSIUM	Date	TIme	Room

Session: 8-B4.5A – Joint Session between IAA and IAF for Small Satellite Propulsion Systems | 2017-09-29 | 11:00 | Hall E3

Luis Gomes
Director of Earth Observation and Science,
Surrey Satellite Technology Ltd (SSTL),
United Kingdom

KEYNOTE: Progress and challenges of small satellite propulsion systems

Biography:
Luis Gomes has extensive technical knowledge and practical experience of designing, planning and managing EO programmes. In his previous role as Head of Business for Earth Observation he was responsible for the development of the recently launched NovaSAR-S low cost radar mission, and the 1m resolution SSTL-300S1 platform that will provide daily high resolution imaging in the forthcoming DMC3 constellation. Gomes joined SSTL in 1997 as a Mission Analysis Engineer specialising in thermal design. Having completed an MSc at the University of Surrey in 2001 with research in Spacecraft Charging, he became a project manager and oversaw the build and commissioning of the high resolution Beijing-1 satellite launched in 2005. He led the negotiations and project for the NigeriaSat-2 programme before taking over the management of the Earth Observation business line. Besides his interest in SAR and Earth Observation, Gomes is an avid astronomer with particular interest in planetary astrophysics and robotic interstellar probes. He is a keen naval enthusiast and enjoys reading about naval history and maritime geopolitics.

5 Category Coordinators and Judges of the Interactive Presentations Competition

Chairman of the Interactive Presentations Award Committee
Christophe Bonnal
Centre National d'Etudes Spatiales (CNES),
France

Category A	SCIENCE AND EXPLORATION

Maria-Antonietta Perino
Thales Alenia Space,
Italy

Category B	APPLICATIONS AND OPERATIONS

Otto Koudelka
Graz University of Technology (TU Graz),
Austria

Category C	TECHNOLOGY

Li Ming
China Academy of Space Technology (CAST),
China

Category D	INFRASTRUCTURE

John David Bartoe
National Aeronautics and Space Administration (NASA),
United States

Category E	SPACE AND SOCIETY

Lyn Wigbels
American Astronautical Society (AAS),
United States

6 Interactive Presentations

6.1 Interactive Presentations Award Ceremony

Date: Thursday 28 September

Time: 12:45 - 13:15

Location: Adelaide Convention Centre - Halls J & K2

Held on the fourth day of IAC, the IP Award Ceremony is the must-attend event of the congress.
Discover the 5 category winners at this prestigious ceremony attended by over 400 presenters, Members of the International Programme Committee and delegates. The prize-giving ceremony will be followed by a cocktail to meet and celebrate the winners. All the interactive presentations will be presented after the ceremony at 13:15. The interactive presentation session aims at stimulating discussions concerning the contribution.

The presenters have been encouraged to emphasize their contributions by means of embedded multimedia content, like for instance, videos, slide shows, animated graphs, 3D rotation, and straight forward demo on specific software and also zooms. The presenters will be available during the whole duration of the session in order to answer questions and have scientific exchanges with the participants of the Congress.

Do not miss out on this great opportunity to meet with the presenters and make new connections.

Please note that this event is open to all IAC participants.

6.2 Interactive Presentations Session & Cocktail Reception

Date: Thursday 28 September

Time: 13:15 - 14:45

Location: Adelaide Convention Centre - Halls J & K2

6.3 Interactive Sessions by Symposium

Session	Symposia	Room
A1.IP	SPACE LIFE SCIENCES SYMPOSIUM	Hall J&K2
A2.IP	MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	Hall J&K2
A3.IP	SPACE EXPLORATION SYMPOSIUM	Hall J&K2
A5.IP	20th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	Hall J&K2
A6.IP	15th IAA SYMPOSIUM ON SPACE DEBRIS	Hall J&K2
A7.IP	SYMPOSIUM ON FUTURE SPACE ASTRONOMY AND SOLAR-SYSTEM SCIENCE MISSIONS	Hall J&K2
B1.IP	EARTH OBSERVATION SYMPOSIUM	Hall J&K2
B2.IP	SPACE COMMUNICATIONS AND NAVIGATION SYMPOSIUM	Hall J&K2
B3.IP	HUMAN SPACEFLIGHT SYMPOSIUM	Hall J&K2
B6.IP	SPACE OPERATIONS SYMPOSIUM	Hall J&K2
C1.IP	ASTRODYNAMICS SYMPOSIUM	Hall J&K2
C2.IP	MATERIALS AND STRUCTURES SYMPOSIUM	Hall J&K2
C3.IP	SPACE POWER SYMPOSIUM	Hall J&K2
C4.IP	SPACE PROPULSION SYMPOSIUM	Hall J&K2
D1.IP	SPACE SYSTEMS SYMPOSIUM	Hall J&K2
D2.IP	SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS SYMPOSIUM	Hall J&K2
D3.IP	15th IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE EXPLORATION AND DEVELOPMENT	Hall J&K2
E1.IP	SPACE EDUCATION AND OUTREACH SYMPOSIUM	Hall J&K2
E3.IP	30th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND ECONOMICS	Hall J&K2
E5.IP	28th IAA SYMPOSIUM ON SPACE AND SOCIETY	Hall J&K2
E6.IP	BUSINESS INNOVATION SYMPOSIUM	Hall J&K2
E7.IP	60th IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	Hall J&K2

6.4 Interactive Presentations by Symposium

A1.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Cora Thiel, Switzerland; Klaus Slenzka, OHB System AG-Bremen, Germany;*

IAC-17.A1.IP.1
life support systems related to gravity in sj-10 and tg-2 satellite space flight experiments
Hao Sun, China

IAC-17.A1.IP.3
The study on space-flight induced DNA damage in Arabidopsis thaliana and the protective effect of hydrogen
Qiao Sun, Shenzhou Space Biotechnology Group, China Academy of Space Technology(CAST), China

IAC-17.A1.IP.4
Plant Growth Optimization by Vegetable Production System in HI-SEAS Analog Habitat
Joshua Ehrlich, Lockheed Martin (Space Systems Company), United States

IAC-17.A1.IP.5
Biological responses of Streptomycetes exposed to simulated microgravity and spaceflight conditions
Bing Huang, Chinese PLA General Hospital, China

IAC-17.A1.IP.6 (non-confirmed)
PREVENTION OF HFQ - sRNA BINDING FOR PSEUDOMONAS AERUGINOSA VIRULENCE EFFECTS DURING THE SPACEFLIGHT
Ozan Kara, Koc University, Turkey

IAC-17.A1.IP.7
Protein Dysregulation in Fungal Isolates from the International Space Station by Tandem Mass Tag Proteomics
Abby Chiang, Beckman Research Institute of City of Hope, United States

IAC-17.A1.IP.9
Astronaut interactions on the Moon: Lunar Expedition 0 as an analogue
Lucie Davidová, Faculty of Arts, Charles University, Czech Republic

IAC-17.A1.IP.10
Application of Virtual Reality for Crew Mental Health In Extended-Duration Space Missions
Nick Salamon, The Ohio State University College of Engineering, United States

IAC-17.A1.IP.10
Hindlimb Unloading Inhibits Mammalian Digit tip Regeneration
Connor Dolan, Texas A&M University, United States

IAC-17.A1.IP.11
Neuroadaptive crew countermeasures for long duration space exploration - A Systems Engineering Approach – Neurocognitive Predictive Performance Screening & Remediation tool (NPPSR): A predictive Neurobehavioral Health Performance Monitor
Curtis Cripe, Fordham University, United States

IAC-17.A1.IP.12
AMSS: a Platform for Astronaut's Performance Modeling and Simulation
Chunhui Wang, China Astronaut Research and Training Center, China

IAC-17.A1.IP.13
"A microsociety in a miniworld": an archaeological investigation into culture on the International Space Station
Alice Gorman, Flinders University, Australia

IAC-17.A1.IP.14
Alleviation of inflammation and stimulation of the immune response by dietary supplement,Active Hexose Correlated Compound (AHCC) in stressful physiological environments.
Elvis Okoro, Texas Southern University, United States

IAC-17.A1.IP.15
SIMULATE MICROGRAVITY ON THE GROUND TO PREPARE MANNED SPACEFLIGHT
Philippe Hazane, Institute for Space Medicine and Physiology/ MEDES, France

IAC-17.A1.IP.16
International Space Station- Microbial observatory of pathogenic viruses, bacteria and fungi and the impact on astronaut health
Camilla Urbaniak, NASA JPL, United States

IAC-17.A1.IP.17
Preserving Cognition in Space Using Ultrasound Brain Stimulation
Ahmed Farid, Telespazio VEGA Deutschland GmbH, Germany

IAC-17.A1.IP.18
Biomarkers for detecting the stress from confined environment: a systematic review
Shotaro Doki, University of Tsukuba, Japan

IAC-17.A1.IP.20
Novel vital signs monitoring system in an analog space mission
Pedro Jesús Alejandro Ruiz Guzmán, tesi, Mexico

IAC-17.A1.IP.21
Medical Systems Engineering to Support Mars Mission Crew Autonomy
Michael Canga, NASA, United States

IAC-17.A1.IP.23
Breeding by space-induced mutation and screening of selenium-enriched functional yeast
Peng Lei, Fullarton Bio-Tech (Beijing) Co., Ltd., China

IAC-17.A1.IP.24
Water management in 4 subjects 180-day CELSS integrated experiment: Configuration and performance
Liangchang Zhang, Space Institute of Southern China(Shenzhen) China Astronaut Research and Training Center, China

IAC-17.A1.IP.25
Improvement the system of distillation cascade for long-term space flights
Vladimir Rifert, TERMODISTILLATION, Ukraine

IAC-17.A1.IP.26
Chlamydomonas biofarm at the forefront of a sustainable life in space.
Amina Antonacci, Italian National Research Council - CNR, Italy

IAC-17.A1.IP.27
A modified MBR system configuring post advanced purification used as water supply process in 180-day CELSS: System construction, pollutants removal examination and water allocation
Ting Li, 1. Space Institute of Southern China, Shenzhen 518117, P. R. China;2. Harbin Institute of Technology Shenzhen Graduate School, Shenzhen 518055, P. R. China., China

IAC-17.A1.IP.28
Evaluation of toxicity of nutrient solutions for plants based on mineralized organic wastes for the BTLSS
Sergey Trifonov, Institute of Biophysics, Russian Academy of Sciences, Siberian Branch; Siberian State Aerospace University, Russian Federation

IAC-17.A1.IP.30
Growth and Biomass Yield of 25 Crops species in 180-day integrated experiment

Jialian Li, Space Institute of Southern China(Shenzhen), China

IAC-17.A1.IP.33
3D droplet scaffolding for osteocyte mechanical unloading in a rotating wall vessel
Roxanne Fournier, University of Toronto, Canada

IAC-17.A1.IP.34
C.R.O.P.® Demonstrator for Human Space Exploration: Experiment Analysis and System Model Development
Monika Johanna Pardo Spiess, Space Generation Advisory Council (SGAC), Germany

IAC-17.A1.IP.35
The influence of the long-term space flight factors on the human regulatory T-cells
Sergey Ponomarev, IBMP, Russian Federation

IAC-17.A1.IP.36
CKIP-1 plays an important role in the regulation of cardiac remodeling induced by simulated microgravity
Yingxian Li, China Astronaut Research and Training Center, China

IAC-17.A1.IP.38 (non-confirmed)
The effects of microRNA408 on root gravitropic bending in Arabidopsis
Huasheng Li, China Academy of Space Technology (CAST) Shenzhou Space Biotechnology Group, China

IAC-17.A1.IP.39
Effects of modified gravity coupled with mechanical stimulation on molecular signal transduction and target gene transcription in 3D osteon cell network.
Cassandra M. Juran, NASA Ames Research Center, United States

A2.IP. Interactive Presentations

September 29 2017, 11:00 — Meeting Room L1 (a&b)

Co-Chair(s): *Gabriel Pont , Centre National d'Etudes Spatiales (CNES), France; Qi Kang , National Microgravity Laboratory, Institute of Mechanics, Chinese Academy of Sciences., China;*

IAC-17.A2.IP.1
Moon Gait: investigating walk patterns in reduced gravity
Irene Lia Schlacht, Politecnico di Milano, Italy

IAC-17.A2.IP.2
The Study on Effect of Neurons in Space Flight and Conditions on Brain/Neuronal Plasticity and Connectivity Cells.
SANDYA RAO, , India

IAC-17.A2.IP.3 (non-confirmed)
Food Science: "Space Chocolate"
Allison Rae Hannigan, , United States

A3.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Coordinator(s): *Bernard Foing , ESA/ESTEC, ILEWG & VU Amsterdam, The Netherlands; Christian Sallaberger , Canadensys Aerospace Corporation, Canada;*

IAC-17.A3.IP.1
THE KUPOL MINE: A POSSIBLE ANALOG OF A MARS OR MOON OUTPOST ON EARTH
Antonio Del Mastro, Mars Planet (Italian Mars Society), Italy

IAC-17.A3.IP.3
System Concept for In-situ Casing Generation in a Deep Lunar Borehole
Alexander Linossier, Technische Universität Berlin, Germany

IAC-17.A3.IP.5
Laboratory and Eifel Field Spectroscopy of Mars Analogue Samples
Bernard Foing, ESA/ESTEC, ILEWG & VU Amsterdam, The Netherlands

IAC-17.A3.IP.6
Study on Self-Migration of Extraterrestrial Molten Regolith and its Potential In-Situ Use in Transforming Outer Space Resources
Jesus Dominguez, Florida Institute of Technology, United States

IAC-17.A3.IP.7
Concept study of Communication Architecture for a cis-Lunar Human- Robotic Mission
Shreya Santra, Skolkovo Institute of Science and Technology, Russian Federation

IAC-17.A3.IP.9
Lunar Transportation for a Sustainable Space Economy
Melissa Sampson, United Launch Alliance, United States

IAC-17.A3.IP.11
Emirates Mars Mission 2020: Science Targets and Observations
Mariam AlShamsi, Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates

IAC-17.A3.IP.12
Aerodynamic Analysis of an Airplane Gliding on Mars
Abdulla Alshehhi, UAE Space Agency, United Arab Emirates

IAC-17.A3.IP.13
Surface Studies of Icy Regoliths using Light Scattering at small Phase Angles
Katiyayni Balachandran, York University, Canada

IAC-17.A3.IP.14
Roverball - a Moon Surface Device \\ as Contribution to ESA's Moon Village.
Eugen Svoboda, Graz University of Technology (TU Graz) / Svoboda Entwicklungs GmbH & CO KG, Austria

IAC-17.A3.IP.15
Alternative Mission Concepts for the Exploration of Outer Planets Using Small Satellite Swarms
Andrew Blocher, Cal Poly, SLO, United States

IAC-17.A3.IP.16
LunaRoo, jumping to new heights
Mark Fittock, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.A3.IP.17
advantages and limitations of biological in situ resource utilization for lunar exploration
Benjamin Lehner, TU Delft, The Netherlands

IAC-17.A3.IP.18
Mission Scenarios Utilizing LOTUS: Lander/Orbiter Trans-Upper Stage
Chrishma Singh-Derewa, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.A3.IP.19
Oxygen production for life support system of Lunar base
Roman Mykhalchyshyn, Yuzhnoye State Design Office, Ukraine

IAC-17.A3.IP.20
An Overview of Challenges in Design and Development of Lunar Rover for Moon Exploration
ACHUTANANDA PARHI, Indian Space Research Organization (ISRO), India

IAC-17.A3.IP.23
Self-Position Estimation Using Shadow of Terrain for Precise Planetary Landing
Tomoki Kuga, Tokyo Metropolitan University, Japan

IAC-17.A3.IP.25
First-Mover Advantages Impacting Site Occupation Timing and Methodology by Commercial Lunar Resource Firms.
John Culton, , United States

IAC-17.A3.IP.26 (non-confirmed)
Shape-Based Approach Based on Fast Numerical Approximation of Invariant Manifolds for Cislunar Low-Energy Low-Thrust Trajectories Transfer
Renyong Zhang, Key Laboratory of Space Utilization, Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences, China

IAC-17.A3.IP.27
The Design of Electrical Systems to Support the Development of Self-Replicating Robots for Lunar Exploration
Evan Gjesvold, North Dakota State University, United States

IAC-17.A3.IP.28
Unmanned mission to the oort cloud
Mridul Jain, University of Petroleum and Energy Studies, India

IAC-17.A3.IP.29
Characterizing the material response of biopolymer-stabilized regolith to predict micrometeorite damage of ISRU habitat systems
Maria Allende, Stanford University, United States

IAC-17.A3.IP.30
lucid project: lunar polar sample return mission validation and demonstration
Carlos Crespo, G.M.V. Space and Defence, S.A., Spain

IAC-17.A3.IP.31
First results from the ROBEX Demonstration Mission on Mt. Etna: Robotic deployment of seismic networks for future lunar missions
Armin Wedler, German Aerospace Center (DLR), Germany

IAC-17.A3.IP.32
Reassessing the Moon Village Roadmap
Pierre EVELLIN, International Space University (ISU), France

IAC-17.A3.IP.34
Lunar mining and cultural heritage management: what are the issues?
Alice Gorman, Flinders University, Australia

IAC-17.A3.IP.36
O'Moon: Proposing an architecture and applications for a lunar modular power infrastructure
Enrique Garcia Bourne, O'SOL, France

IAC-17.A3.IP.39
Emirates Mars Mission (EMM) Spacecraft Design Overview
Mohsen Al Awadhi, Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates

IAC-17.A3.IP.41
Society Building in Space: Exploring Rationales and Values that will Shape the First Human Outposts off Earth
Ekaterina Khvostova, Space Policy Institute, George Washington University, United States

IAC-17.A3.IP.42
Fault tolerant reconfigurable Lunar On Board Payload Controller
SASI SAKETH KURRA, , India

IAC-17.A3.IP.44
In-situ resource utilization of lunar regolith to produce silicon for use in photovoltaic materials to support a long-term human presence on the Moon.
Riddhi Maharaj, University of Cape Town, South Africa

IAC-17.A3.IP.45
Design and Preliminary Test Results of the Helium Extraction and Acquisition Testbed
Aaron Olson, University of Wisconsin, United States

IAC-17.A3.IP.48
disturbance rejection hazard avoidance control for asteroid landing
Dantong Ge, Beijing Institute of Technology, China

IAC-17.A3.IP.49
Simulation of an asteroid gravimetry mission using a spacecraft swarm
William Crowe, UNSW Australia, Australia

IAC-17.A3.IP.50
Health Monitoring Methodology for a Highly Autonomous Asteroid Mission
Alena Probst, Bundeswehr University Munich, Germany

IAC-17.A3.IP.52
6-DOF Control for Spacecraft Hovering Over an Asteroid with Disturbances
Wentao Fu, School of Aerospace Engineering, Beijing Institute of Technology, China

IAC-17.A3.IP.53
A Castaway Space-telescope: Opportunities for Asteroid Belt Fly-by Tours for Medium and Discovery Class Missions
Joan Pau Sanchez Cuartielles, Cranfield University, United Kingdom

A5.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Christian Sallaberger , Canadensys Aerospace Corporation, Canada; Maria Antonietta Perino , Thales Alenia Space Italia, Italy;*

IAC-17.A5.IP.3 (non-confirmed)
Thermal control subsystem for a lunar rover
Sylvain Bouchart, , United Kingdom

IAC-17.A5.IP.4
Missions, Architectures and Technologies for a Lunar Space Tug in support of Cislunar Infrastructures
Martina Mammarella, Politecnico di Torino, Italy

IAC-17.A5.IP.5
Three Types of Robot Builder for the Unsupervised Construction of Mars Habitats
Pierfrancesco La Mura, , Germany

IAC-17.A5.IP.6
Manufacturing of Lunar Basaltic Glass Substrates
Juergen Schleppi, Heriot-Watt University, United Kingdom

IAC-17.A5.IP.7
Crowdsourcing a Moon Village
Yalda Mousavinia, Space Cooperative Inc., United States

IAC-17.A5.IP.8
Approaches and Solutions for Martian Spacesuit Design
Joao Lousada, GMV Insyen AG, Germany

IAC-17.A5.IP.10
Human Exploration of Mars: Cost Realities of a First Mission
Ralph L. McNutt, Jr., Johns Hopkins University Applied Physics Laboratory, United States

IAC-17.A5.IP.11
Application of a Top-Down System-of-Systems Approach to Enable Human Mars Exploration Missions
William O'Neill, Purdue University, United States

IAC-17.A5.IP.13
Architectural Design Solutions for Human Habitation on Mars
Anusha Krishnamurthy, , India

IAC-17.A5.IP.14
Invariant Modulation of IMF Clock Angle on the Solar Wind Energy Input into the Magnetosphere
Jinpeng Han, China Academy of Launch Vehicle Technology, China

IAC-17.A5.IP.16
Geological methodology for the Extravehicular Activity in Astronaut Analogue Simulations
Melissa Mirino, INAF-IAPS, Italy

A6.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Christophe Bonnal , Centre National d'Etudes Spatiales (CNES), France; Darren McKnight , Integrity Applications Incorporated (IAI), United States; Tetsuo Yasaka , QPS Institute, Japan;*

IAC-17.A6.IP.1
estimation of removal method of space debris by laser ablation
Yuta Kobayashi, Research Institute for Sustainable Humanosphere, Kyoto University, Japan

IAC-17.A6.IP.2
Discharge on Pseudo Solar Cells due to Hypervelocity Impact
Mariela Rojas Quesada, Kyushu Institute of Technology, Japan

IAC-17.A6.IP.3
Improvement of the Accuracy of Fast Methods for Forecasting Dangerous Approaches of Orbital Objects
Tatyana V. Labutkina, Dnepropetrovsk National University named after Oles' Gonchar, Ukraine

IAC-17.A6.IP.4
Design Optimizations for Increased Muzzle Velocities of a Compact Single-Staged Light Gas Gun for Envisaged Twin Facility Setups
Christoph Montag, Institute of Space Systems, Universität Stuttgart, Germany

IAC-17.A6.IP.5
STARC: Towards a transportable Laser Ranging Station
Thomas Hasenohr, German Aerospace Center (DLR), Germany

IAC-17.A6.IP.6
Symplectic integrators for the simulation of space debris evolution
Pierfrancesco Di Cintio, CNR, Italy

IAC-17.A6.IP.7
Interpretation of light curves based on simulation software
Daniel Burandt, German Aerospace Center (DLR), Germany

IAC-17.A6.IP.8
changes in an orbital motion for small space debris due to electromagnetic perturbations
Keisuke Akari, Research Institute for Sustainable Humanosphere, Kyoto University, Japan

IAC-17.A6.IP.9
Automatic analysis of light-curves variability of orbital objects
Tommaso Cardona, University of Rome "La Sapienza", Italy

IAC-17.A6.IP.10
EQUO - Equatorial Italian Observatory At The Broglio Space Center For Space Debris Monitoring
Fabio Santoni, University of Rome "La Sapienza", Italy

IAC-17.A6.IP.11
Space debris cloud evolution modeling with respect to mutual collisions
Chingiz Akniyazov, Fesenkov Astrophysical Institute, Kazakhstan

IAC-17.A6.IP.12
On the space debris optical archive at the Italian Space Agency
Alessandra Di Cecco, National Institute for Astrophysics (INAF), Italy

IAC-17.A6.IP.13
transition in orbital resonance in inclined geosynchronous orbit and the implication on its long-term evolution
Jingshi Tang, Nanjing University, China

IAC-17.A6.IP.14
ADEO Passive De-Orbit Subsystem Activity leading to a Dragsail Demonstrator: Conclusion and Next Steps
Thomas Sinn, HPS GmbH, Germany

IAC-17.A6.IP.15
Optimal Planning of Space Surveillance Network For Orbital Debris
Tommaso Cardona, University of Rome "La Sapienza", Italy

IAC-17.A6.IP.16
Orbit determination results and space debris test observation of the OWL-Net
Jin Choi, University of Science & Technology, Korea, Republic of

IAC-17.A6.IP.17
deep neural network for vision based active debris removal tracking system
Seongmin Lim, Korea University of Science & Technology (UST), Korea, Republic of

IAC-17.A6.IP.18 (non-confirmed)
Spin axis orientation and rotation period determination of debris in sun-synchronous orbit using light curve
Fei Han, Harbin Institute of Technology, China

IAC-17.A6.IP.20
Statistical approach for the re-entry prediction estimation using Earth geopotential correction
Elena Vellutini, Italian Space Agency (ASI), Italy

IAC-17.A6.IP.21
Experimental estimation of the kinematics of a space debris mock-up via fault-tolerant methods
Gabriele Biondi, Politecnico di Torino, Italy

IAC-17.A6.IP.22
in-plane collision avoidance maneuver strategies based on orbit maintenance
Fei Su, National Astronomical Observatories, Chinese Academy of Sciences, China

IAC-17.A6.IP.25
experimental study on lodging an anchor to free-falling target for space debris mitigation
NGUYEN BA THANH LONG, National Defense Academy, Japan

IAC-17.A6.IP.26
Effective Drag Area Computation for Active Debris Removal using De-Orbit Sail
Anilkumar A K, Vikram Sarabhai Space Centre (VSSC), India

IAC-17.A6.IP.28
A Search Strategy Applicable for Breakup Fragments in Highly Elliptical Orbit
Yuki Itaya, Kyushu University, Japan

IAC-17.A6.IP.30
Attitude dependent perturbations of space debris orbital dynamics during solar activity extremes
Daniel Kucharski, , Australia

IAC-17.A6.IP.31
space object detection and characterisation with a passive space-borne bistatic radar
Ilias Theodorou, University of Strathclyde, United Kingdom

IAC-17.A6.IP.32
Initial Study on Non-Catastrophic Damage Risk for All-Electric Satellite Transferring to GEO
Masumi Higashide, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.A6.IP.33
Improving the Calculation of Average Cross-sectinoal Area for DebriSat Fragments Using Discrete Projected Areas
Thomas Scruggs, University of Florida, United States

IAC-17.A6.IP.34
Performance Analysis of the DebriSat Debris Categorization System Database Engine
Joe Kleespies, University of Florida, United States

IAC-17.A6.IP.35
Demisability and survivability multi-objective optimisation for preliminary spacecraft design
Mirko Trisolini, University of Southampton, United Kingdom

IAC-17.A6.IP.36
Increasing ADR effectiveness via an altitude-shell-dependant removal approach
Gian Luigi Somma, University of Southampton, United Kingdom

IAC-17.A6.IP.37
Dynamical evolution of space debris on super-geostationary orbits
Eduard Kuznetsov, Ural Federal University, Russian Federation

IAC-17.A6.IP.38
SDM measures and development for the PRIMA family platforms
Massimiliano Marcozzi, Thales Alenia Space Italia (TAS-I), Italy

IAC-17.A6.IP.39 (non-confirmed)
A new hybrid dual-stage electromagnetic railgun equipment for hypervelocity impact testing
Antonio Vricella, Sapienza - University of Rome, Italy

IAC-17.A6.IP.40
Shielding performance of polyurethane foam stuffed in shield
Xuezhong Wen, China Aerodynamics Research and Development Center, China

IAC-17.A6.IP.41
Imaging Systems for Size Measurements of DebriSat Fragments
Bungo Shiotani, University of Florida, United States

IAC-17.A6.IP.42
D-Orbit involvement in the ESA CleanSat Program: An Autonomous Decommissioning System for Satellite Controlled Re-entry
Lorenzo Ferrario, D-Orbit, Italy

IAC-17.A6.IP.43
braking performance study for eddy brake detumbling space debris objects
Yongkang Shi, National University of Defense Technology, China

IAC-17.A6.IP.44
A Multiobjective Genetic Algorithm for Scheduling Follow-up Observations of Geosynchronous Space Object
Andreas Hinze, DLR (German Aerospace Center), Germany

IAC-17.A6.IP.44 (non-confirmed)
Laser-based mitigation of the low-Earth orbit debris environment
Ben Greene, Space Environment Research Centre Ltd. (SERC), Australia

IAC-17.A6.IP.45
Design of a scalable, reliable, cost-efficient, and modular de-orbit kit for spacecraft post-mission disposal
Konstantinos Konstantinidis, Universität der Bundeswehr München, Germany

A7.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Jakob van Zyl , National Aeronautics and Space Administration (NASA), United States;*

IAC-17.A7.IP.2 (non-confirmed)
cubesats missions the answer to the futures studies of space missions or new space hazardous debris challenges
Iman Shafieenejad, K. N. Toosi University of Technology, Iran

IAC-17.A7.IP.3
Update on the system design of the ATHENA mission
Ivo Ferreira, European Space Agency (ESA), The Netherlands

IAC-17.A7.IP.5
a study of uncertainty analysis for formation satellite detection system in space science mission
Chen Gao, German Aerospace Center (DLR), Simulation and Software Technology, Germany

IAC-17.A7.IP.6
The Fifth Force: from Planck to Euclid
Lucia Aurelia Popa, Institute of Space Science, Romania

IAC-17.A7.IP.7
Application of machine learning in high-contrast imaging of exoplanets & Modelling the atmospheric escape phenomenon
Shabarinath Nair, , India

IAC-17.A7.IP.8
More Efficient, More Powerful RTGs for Planetary Science Missions
David Woerner, Jet Propulsion Laboratory - California Institute of Technology, United States

IAC-17.A7.IP.9
Enhanced X-ray Timing and Polarimetry(eXTP)mission design and implement
Long Zhang, CAST, China

B1.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Andrew Court , TNO, The Netherlands; Gunter Schreier , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*

IAC-17.B1.IP.1
Towards an early warning service for fast-developing events based on a SAR-enabled microsatellite constellation
Francisco Vilhena da Cunha, Tekever, Portugal

IAC-17.B1.IP.2
The acceleration with QDR memory for data managements in near-earth sar images orbital processing
Hui Cao, Xi'an Microelectronics Technology Institute, China Academy of Space Electronics Technology (CASET), China Aerospace Science and Technology Corporation (CASC), China

IAC-17.B1.IP.3
Alignment mechanism and system concept of a scalable deployable ultra-lightweight space telescope for a 1U CubeSat demonstrator
Benjamin Grzesik, Technische Universität Braunschweig, Germany

IAC-17.B1.IP.4
Urban tree species classification with airborne hyperspectral VNIR and SWIR, PAN and DSM data by fusion at the object level
Josselin Aval, SUPAERO- Ecole Nationale Supérieure de l'Aéronautique et de l'Espace, France

IAC-17.B1.IP.6
automatic haze detection and prediction in satellite cloud images
Ruiguang Hu, Beijing Aerospace Automatic Control Institute, China

IAC-17.B1.IP.7
Identification and Quantification of Geometric Error Sources in Satellite Image Data
Amélie St-Amour, NGC Aerospace Ltd., Canada

IAC-17.B1.IP.8
Performance of the Space Orbiting Argus 1000 Micro-spectrometer: Signal-to-Noise Ratio (SNR) Analysis
Naif Alsalem, York University, Canada

IAC-17.B1.IP.9
The Role of Geographic Information System (GIS) in Modern India
Harsh Sanghavi, , India

IAC-17.B1.IP.10
autonomous band co-registration of lapan-a3 multispectral imager using edge detection and fast fourier transform
Patria Rachman Hakim, Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia

IAC-17.B1.IP.11
Polarimetric synthetic aperture radar for remotely mapping salt diapirs
Elise Harrington, University of Western Ontario, Canada

IAC-17.B1.IP.12
Orbit and Constellation Design Considerations for GNSS-R receivers.
Benjamin Southwell, University of New South Wales, Australia

IAC-17.B1.IP.13
PRECISION AGRICULTURE TOOL FOR ASSESSMENT OF FERTILISER USING MULTISPECTRAL SATELLITE IMAGERY
Felipe Brubeck-Hernandez, University of Leicester, United Kingdom

IAC-17.B1.IP.14
evaluation of groundwater potential zone in ibadan area oyo state southwestern nigeria using geospatial techniques and analytical hierarchy process.
ALABI BABATUNDE, Federal University of Technology Akure, Ondo State., Nigeria

IAC-17.B1.IP.15
Role of Space Technology Applications in Managing Biodiversity and Climate Change: Case Study of the Lake Chad Area of Africa
ABUBAKAR BABAGANA, SEABED INTERNATIONAL, Nigeria

IAC-17.B1.IP.16
PerúSAT-1: a development success for quick practical applications in Peru
Gustavo Henríquez Camacho, Conida - Peruvian Space Agency, Peru

IAC-17.B1.IP.17
COSMO-SkyMed Data Exploitation: Global Trend, Perspectives and Lessons Learnt
Maria Libera Battagliere, ASI - Italian Space Agency, Italy

IAC-17.B1.IP.19
Predicting anomalous tropospheric radio propagation caused by low level inversion layers using near real-time satellite data
Balthasar Indermuehle, CSIRO Astronomy & Space Science, Australia

IAC-17.B1.IP.20 (non-confirmed)
FlyWin, a H2-lifting gas airship demonstrator
Nicolas Cayemex, FlyWin, Belgium

IAC-17.B1.IP.21
Satellite geodesy mission preparation using satellite formation flight simulator - XHPS
Takahiro Kato, ZARM - University of Bremen, Germany

IAC-17.B1.IP.23
Continental scale woody vegetation monitoring for greenhouse gas accounting
Shanti Reddy, , Australia

IAC-17.B1.IP.24
the space qualification of lapan's ir camera equipped with two micro bolometer detectors
Bustanul Arifin, Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia

IAC-17.B1.IP.26
FEASIBILITY STUDY ON EARTHQUAKE MONITORING AND PRECURSOR RESEARCH IN SOUTH-EAST ASIA USING SPACE TECHNOLOGY
Md Yusoff Siti Harwani, Universiti Sains Malaysia, Malaysia

IAC-17.B1.IP.27
Analysis of Landslide in Chosica Using Satellite Images
Avid Roman-Gonzalez, Image Processing Research Laboratory (INTI-Lab). Universidad de Ciencias y Humanidades - UCH, Peru

IAC-17.B1.IP.28
Investigation of Satellite Constellation Configuration for Earth Observation Using Sierra Nevada Dream Chaser® Spacecraft Following Launch to ISS
Andrew J. Steen, The Ohio State University, United States

IAC-17.B1.IP.29
Picosatellite-based Subsurface Earth Observation
Jeremiah Pate, , United States

IAC-17.B1.IP.30 (non-confirmed)
a topology structure based sar group targets recognition algorithm
Hao Wang, National Key Laboratory of Science and Technology on Aerospace Intelligence Control, Beijing Aerospace Automatic Control Institute, China

IAC-17.B1.IP.32
KhalifaSat Camera System Design Development
Abdalla Harmoul, Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates

IAC-17.B1.IP.33
MicroCarb: Atmospheric CO2 monitoring from micro-satellite
Arnaud Varinois, Centre National d'Etudes Spatiales (CNES), France

B2.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Manfred Wittig , European Space Agency (ESA), retired, The Netherlands; Otto Koudelka , Joanneum Research, Austria;*

IAC-17.B2.IP.1
Deep Space Probe High Gain Antenna Field Of View Analysis Using 3D EM Simulation For Robust Design
Sangman Moon, Korea Aerospace Research Institute (KARI), Korea, Republic of

IAC-17.B2.IP.2
The feasibility study of lunar orbiter radiometric error analysis
Inkyu Kim, Korea Aerospace Research Institute (KARI), Korea, Republic of

IAC-17.B2.IP.3
Operations Concept for TC & TM Applied to Rovers on the Moon
Milen Tahtadjiev, Graz University of Technology (TU Graz), Germany

IAC-17.B2.IP.5
"What improvements to the Deep Space Network (DSN) are needed to support manned missions to Mars."
Prasad Falke, International Amateur Radio Union, United States

IAC-17.B2.IP.7
discussion on the use of small aperture antennas in maritime vsat networks
Yimeng Guo, Sino Satellite Communications Co., Ltd., China

IAC-17.B2.IP.8
Lost in GNSS: A need of commercial space policy for Positioning, Navigation and Timing.
Aurthur Vimalachandran Thomas Jayachandran, Samara University, Russian Federation

IAC-17.B2.IP.9
Assessment of Atmospheric bias in Geodetic Surveying Applications exploiting the S/N ratio of GNSS receivers
Francesco Vespe, Agenzia Spaziale Italiana (ASI), Italy

IAC-17.B2.IP.10
DESIGN OF COST EFFECTIVE LEO SATELLITE CONSTELLATION FOR AUTOMATIC DEPENDENT SURVEILLANCE-BROADCAST (ADS-B)
Ghulam JAFFER, University of the Punjab, Pakistan

IAC-17.B2.IP.11
the research of detecting the outlier in data processing of relative navigation of tight formation flying
Zhifei Zhang, Harbin Institute of Technology, China

IAC-17.B2.IP.12
Performance and Prediction of Combined Clock Error Model for Beidou New Generation Navigation Satellite
Dongxia Wang, Beijing Satellite Navigation Center, China

IAC-17.B2.IP.13 (non-confirmed)
INS/CNS Integrated Navigation Algorithm Using Small Field Star Tracker for Airborne Platform
Lei Zhou, China Electronics Technology Group Corporation No.20th Research Institute, China

IAC-17.B2.IP.14
Inter-satellite Quantum Key Distribution Pathfinder Mission
Douglas Griffin, University of New South Wales ADFA, Australia

IAC-17.B2.IP.15
a novel x-ray pulsar-based navigation technology
Hang Shi, Beijing Aerospace Technology Institute, China

IAC-17.B2.IP.16
A priority-based rateless coded cooperation communication scheme for spacecrafts multi-access channels
Yan Wang, Chinese Society of Astronautics (CSA), China

IAC-17.B2.IP.17 (non-confirmed)
Design Technology of the UHF Proximity Link Transceiver for Chinese Mars Relay Telecommunication
Qin Fen, , China

IAC-17.B2.IP.18
Cableless Communication Inner the Space Launch Vehicle Based on the LED Visible Light Communication Technology
Yang Liu, Beijing Institute of Astronautical Systems Engineering, China

IAC-17.B2.IP.19
Application of Multipath Hemispherical Model in Multipath Error Reduction Method of Beidou Monitoring Receiver
Guangming LIU, National Key Laboratory of Integrated Information System Technology, Institute of Software, Chinese Academy of Sciences, China

IAC-17.B2.IP.20
Advanced MCM technology for inter-satellite link (ISL) space communication
Tong Yang, Institute of Satellite Application Engineering, China Academy of Space Technology(CAST), China

IAC-17.B2.IP.22
Development and prospect of satellite-based augmentation system
Jie Xin, Engineer, China

IAC-17.B2.IP.23
Research on interoperability features of satellite-based augmentation system
Jie Xin, Engineer, China

B3.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Peter Batenburg , Airbus Defence and Space, The Netherlands;*

IAC-17.B3.IP.1
Spacecraft piloting performance assessment – A computational evaluation methodology for the SIMSKILL Experiment
Miquel Bosch Bruguera, Institute of Space Systems, Universität Stuttgart, Germany

IAC-17.B3.IP.3
A New Vision: Re-purposing the ISS to further humanity's progress in space beyond 2024
Daniel Glover, International Space University (ISU), United States

IAC-17.B3.IP.4
The Italian possible participation in the NASA Asteroid Redirect Mission (ARM): an update
Marco Tantardini, Italian Space Agency (ASI), Italy

IAC-17.B3.IP.6
Recent developments on DLR's Post-ISS concept
Stephan Siegfried Jahnke, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.B3.IP.7
Free Space Optical Communication System for Extreme Environment Exploration Analogues
RHONDA LYONS, , United States

IAC-17.B3.IP.8
Imagination and Space Exploration
Victoria Van Dyk, York University, Canada

IAC-17.B3.IP.9
Development prospects of suborbital space tourism
FENG OU, China Aerospace Science and Technology Corporation (CASC), China

IAC-17.B3.IP.11
Anthropomorphic Robots for Cosmonauts Support on Space Stations And Space Exploration Applying Prospects
Vladislav Sychkov, OJSC "SPA "Orbital systems", Russian Federation

IAC-17.B3.IP.12
Planning and Scheduling for the Poland Mars Analogue Simulation-PMAS 2017
Efstratia Salteri, Space Generation Advisory Council (SGAC), Germany

IAC-17.B3.IP.13
Operational Lessons Learned From Human-Robotic Partnership in Exogeology Analog Extravehicular Activity Simulation at Eifel Volcanic Region: ILEWG Euromoonmars
Mateusz Harasymczuk, ESA / University of Warsaw / Polish Air Force Academy, Poland

IAC-17.B3.IP.14
Human robotic partnership investigations during December 2016 ILEWG EuroMoonMars simulation campaign in Eifel volcanic area
Bernard Foing, ESA/ESTEC, ILEWG & VU Amsterdam, The Netherlands

IAC-17.B3.IP.15
The Realities of Human Operations in Deep Space
Michael Sarafin, National Aeronautics and Space Administration (NASA), United States

B6.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *John Auburn , RHEATECH Ltd, United Kingdom; Otfrid Liepack , National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States;*

IAC-17.B6.IP.1
onboard mission scheduling for the camera subsystem of uoksat-3
Rayan Imam, , Sudan

IAC-17.B6.IP.3
SpaceCRAFT: A Virtual Reality Sandbox Environment
Robert Hogan, Texas A&M University, United States

IAC-17.B6.IP.4
Mapping Strategy for Large Area Using Optical Payload On Micro-satellite
A. Hadi Syafrudin, Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia

IAC-17.B6.IP.5
ADIA-L: Implementation and Integration of a Model-Based Autonomous Diagnostic System as Payload for the Nanosatellite Mission SONATE
Gerhard Fellinger, University of Würzburg, Germany

IAC-17.B6.IP.7
A Concurrent Balancing Mechanism for Cubesat Attitude Hardware-in-the-loop Design and Simulation
Cristóbal Nieto Peroy, Luleå University of Technology, Sweden

IAC-17.B6.IP.8
Dynamics Modeling of Flexible Spacecraft Combination Connected by a Space Manipulator
Xinglong Wang, China Academy of Space Technology (CAST), China

IAC-17.B6.IP.9
Autonomous Station-keeping Strategy for Geostationary Satellite with Electric Propulsion System
Lincheng Li, Beijing Institute of Technology (BIT), China

IAC-17.B6.IP.11
digital simulation platform for space operations mission verification
Jing Yuan, National Key Laboratory of Aerospace Flight Dynamics, Northwestern Polytechnical University, China

IAC-17.B6.IP.12 (non-confirmed)
'Israel 70' project as a case study for space big-data (SBD)
Dan Cohen, ISU, Israel

C1.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Alfred Ng , Canadian Space Agency, Canada; Anna Guerman , Centre for Mechanical and Aerospace Science and Technologies (C-MAST), Portugal;*

IAC-17.C1.IP.1
Performance analysis of Fast Unscented Kalman Filters for Attitude Determination in UNSW-EC0 CubeSat Engineering Model
Sanat Biswas, UNSW Australia, Australia

IAC-17.C1.IP.2
Analysis of orbits near a binary asteroid system modeled as rotating mass dipoles
Antonio Fernando Bertachini Almeida Prado, Instituto Nacional de Pesquisas Espaciais (INPE), Brazil

IAC-17.C1.IP.3
A New Type of Sun Sensor for Micro-Satellite Based on Bionic Compound Eye
Yunhua Wu, Nanjing University of Aeronautics and Astronautics, China

IAC-17.C1.IP.4
Orbital transfers around a double asteroid system
Geraldo Oliveira, Federal Center for Technological Education of Minas Gerais, Brazil

IAC-17.C1.IP.5
Study on the Stability of Nonlinear Time-varying Spacecraft Control System
Yong Chun Xie, Beijing Institute of Control Engineering, China

IAC-17.C1.IP.6
Safety Trajectory Optimization in Ultra-close Proximity to Large Debris
Xiaoyu Chu, Beijing Institute of Technology, China

IAC-17.C1.IP.7
Quaternion based Attitude Stabilization in the Circular Restricted Three-Body Problem
Yuki Akiyama, Kyushu University, Japan

IAC-17.C1.IP.8
High Accuracy and High Stability Pointing of Space Telescope Based on Ultra-Quiet Platform
Guangde Xu, CAST, China

IAC-17.C1.IP.9
Late-Life Reconfiguration Maneuvers of the RapidEye Constellation for the Reversal of LTAN Drift
Jesse Eyer, Planet Labs Inc., Germany

IAC-17.C1.IP.10
Planetary UAV exploration simulated in a flying arena with the use of novel dual quaternions attitude dynamics algorithms
Andrea Antonello, CISAS – "G. Colombo" Center of Studies and Activities for Space, University of Padova, Italy

IAC-17.C1.IP.11
The combined Lambert-Tisserand resolution applied to the single flyby problem
Davide Menzio, Politecnico di Milano, Italy

IAC-17.C1.IP.12
Goal-oriented planning and path parameterization for time-optimal spacecraft reorientation
Hui Wang, Beijing Institute of Technology, China

IAC-17.C1.IP.13
three-channel filter theory for fault detection and isolation of redundant inertial measurement unit
Tong ZHANG, Northwestern Ploytechnical University, China

IAC-17.C1.IP.14
relative navigation filter algorithm for elliptical orbits based on onboard relative measurements
Fan Wu, Harbin Institute of Technology, China

IAC-17.C1.IP.16
Coordinated Path Planning Strategy for Dual-Arm Space Robot Using B Spline
Mingming Wang, National Key Laboratory of Aerospace Flight Dynamics,Northwestern Polytechnical University, China

IAC-17.C1.IP.19
Large-Scale Spacecraft Swarm Decentralized Formation Flying Control Based on Sliding Mode Control and Tracking Differentiator
Jinfeng Sun, School of Transportation Science and Engineering, Beihang University, Beijing, 100191, PR China, China

IAC-17.C1.IP.20
safety analysis for near rectilinear orbit close approach rendezvous in the circular restricted three-body problem
Sara MANGLAVITI, ISAE - Institut Supérieur de l'Aéronautique et de l'Espace, France

IAC-17.C1.IP.21
Novel Direct Method for Continuous Thrust Trajectory Optimization
Mingtao Li, 1: National Space Science Center, Chinese Academy of Sciences; 2:University of Chinese Academy of Sciences, China

IAC-17.C1.IP.22
Software Architecture for Deep-Space Navigation Filter Development
Maria Cols Margenet, University of Colorado, Colorado Center for Astrodynamics Research, United States

IAC-17.C1.IP.23
The Homoclinic and Heteroclinic Connections of Planar Symmetric Resonant Orbits in the Restricted Three-Body Earth-Moon System
Chao Peng, Chinese Academy of Sciences, China

IAC-17.C1.IP.24
Low-Orbit Spacecraft Service Planning
Yury Razoumny, Peoples's Friendship University of Russia, Russian Federation

IAC-17.C1.IP.25
AOCS Design and On-orbit Performance of ARASE/ERG Satellite
Kazuki Yokota, NEC Corporation Space Systems Div., Japan

IAC-17.C1.IP.26
Preliminary Study on Vertical Descent Guidance for Precise Lunar Landing
Takahiro Ito, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.C1.IP.27
A Fiber Optic Gyro-Based Attitude Control System for Autonomous Target Tracking
Elias Solorzano, Space Flight Laboratory, University of Toronto, Canada

IAC-17.C1.IP.28
Using the spacecraft with a solar sail to monitor a specific area of Mars
Olga Starinova, Samara National Research University, Russian Federation

IAC-17.C1.IP.29
Model and trajectory optimization for an ideal laser-enhanced solar sail
Livio Carzana, Delft University of Technology (TU Delft), Germany

IAC-17.C1.IP.30
optimization of flyby schemes in the framework of adr mission in leo
Dmitriy Grishko, Bauman Moscow State Technical University, Russian Federation

IAC-17.C1.IP.31
Comparative Assessment of Different Constellation Geometries for Space-based Applications
Simeng Huang, Politecnico di Milano, Italy

IAC-17.C1.IP.32
Matching of Patched–Integrated Trajectories for Cis-Lunar Transfers
Yat Hei Ng, The Hong Kong University of Science and Technology, Hong Kong

IAC-17.C1.IP.33
Searching Reachable Region of Low-Thrust Trajectories by Superposition and Greedy Optimization
Albert Wai Kit Lau, The Hong Kong University of Science and Technology, Hong Kong

IAC-17.C1.IP.36
The integrated dynamics modeling and coupling analysis for orbit and attitude of spacecrafts
Weihua Ma, National Key Laboratory of Aerospace Flight Dynamics,Northwestern Polytechnical University,Xi'an, China

C2.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Andreas Rittweger , DLR (German Aerospace Center), Germany; Paolo Gasbarri , Università di Roma "La Sapienza", Italy;*

IAC-17.C2.IP.3
Analysis of type II and type III solar radio bursts using the e - CALLISTO system
Jude Wijesekera, , Sri Lanka

IAC-17.C2.IP.5 (non-confirmed)
evaluation of end-of-life performance of gaas solar cell in gto mission using ion thruster
Xin Gao, Science and Technology on Vacuum Technology and Physics Laboratory, Lanzhou Institute of Physics, China

IAC-17.C2.IP.6
Water-Cooled Adjustable Material Probe Design for the Evaluation of Transient Heat Fluxes of High Temperature Materials
Michele Mione, IRS, University of Stuttgart, Germany

IAC-17.C2.IP.7
Research on buffer mechanism and impact dynamics of pre-folded metal honeycomb structure
Na Yao, Qian Xuesen Laboratory of Space Technology, China Academy of Space Technology (CAST), China

IAC-17.C2.IP.10
Ground and stratospheric flight tests on curing of composite materials in free space environment
Viacheslav Chudinov, , Russian Federation

IAC-17.C2.IP.11
Investigation of Co-Sn-Te Phase Space for Advancement of Skutterudite Materials for Radioisotope Thermoelectric Generators
Caitlin Crawford, NASA Harriett G. Jenkins Fellow: Colorado School of Mines, United States

IAC-17.C2.IP.12
Energetic Composite Solid Propellants for advanced space systems
Vinayak Malhotra, SRM University Chennai, India

IAC-17.C2.IP.14
Dimensional stability investigation of low CTE materials at temperatures from 140 K to 250 K using a heterodyne interferometer
Ruven Spannagel, DLR, German Aerospace Center, Germany

IAC-17.C2.IP.15
Characterization of Direct Metal Laser Sintered Impinging Injectors: Like-Doublet, Unlike Triplet, Like Quadlet, Unlike Pentad
Deepak Atyam, Purdue University, United States

IAC-17.C2.IP.16 (non-confirmed)
The Research of the Integrated Compound Insulator's Strain Field Measurement under Bending Deformation based on Digital Image Correlation Method
Qiang Xiong, Beijing Aerospace Technology Institute, China

IAC-17.C2.IP.17
Analysis and Verification of Bearing Capacity of Stiffened Panel of Carbon Fiber Reinforced Polymer Composites
CUI Shenshan, China Academy of Launch Vehicle Technology, China

IAC-17.C2.IP.18
Problems of Modelling in dynamics of stabilization and orientation systems
Lyudmila Kuzmina, Kazan National Research Technical University, Russian Federation

IAC-17.C2.IP.22
A Multidisciplinary Software Chain for Integrated Structural, Thermal and Optical Performance Analysis of Space Instruments
Stefan Bedrich, OHB System AG - Munich, Germany

IAC-17.C2.IP.23
Model Updating of Thermo-Elastic Plates of Spacecrafts in the Hot and Cold Space Environments
Kaipeng Sun, Shanghai Institute of Satellite Engineering, China

IAC-17.C2.IP.24
Testing and modeling for the creep and recovery behavior of Kevlar cables
Yaqiong Tang, , China

IAC-17.C2.IP.25
Structural Dynamic Modification for Shock Response Spectra Test of a Fixture Based on Sensitivity Analysis of Anti-resonance Frequency
DENG Changhua, Xi'an Aerospace Propulsion Institute, China

IAC-17.C2.IP.26
Revealer1601-RH : A radiation hardened NoC-based Multicore Digital Signal Processor
Hui Cao, Xi'an Microelectronics Technology Institute, China
Academy of Space Electronics Technology (CASET), China Aerospace Science and Technology Corporation (CASC), China

IAC-17.C2.IP.27
Paraffin-graphene/metal foam composite for thermal management in electronics
Adriana Balan, University of Bucharest, Romania

IAC-17.C2.IP.28
Experimental Studies on Supersonic Aerothermal Fluid-Structure Interaction
Dennis Daub, DLR (German Aerospace Center), Germany

IAC-17.C2.IP.29
application of composite sandwich structure with lattice cores in aircraft lightening design
Zhenping Zhao, CALT,CASC, China

IAC-17.C2.IP.30 (non-confirmed)
A new type of electro-hydraulic complex servo actuator and its algorithm research based on launch vehicle
Zhongliang Zhang, Shanghai Aerospace Control Technology Institute, China

IAC-17.C2.IP.31
A Fully Configurable Mass Dummy Design for Changing Spacecraft Structures
Mehdi Sabzalian, Space Flight Laboratory, University of Toronto, Canada

IAC-17.C2.IP.32
The prospect of additive manufacturing in primary structure of launch vehicle
Ji Bin, Aerospace System Engineering Shanghai, China, China

IAC-17.C2.IP.33
experiments on residual compressive strength after fatigue of cabon fiber fabric composites of spacecraft in hydrothermal environment
Xuan Sun, , China

IAC-17.C2.IP.34
Numerical Analysis of the Transient Response of Space Capsule Thermal Protection System for Re-entry Aerodynamic Heating
Khadar Voli, Indian Space Research Organization (ISRO), India

IAC-17.C2.IP.35 (non-confirmed)
Simulation Method for Unilateralism Coupling of Diffusive and Deformation
YAO Dong, The 41st Institute of the Fourth Academy of CASC, China

IAC-17.C2.IP.36
Modelling and Dynamics of the Deployment of Mesh Antennas
Kangjia Fu, Tsinghua University, China

IAC-17.C2.IP.37
Robust Shape Design of Tension Truss Antennas on Variation of Tension Tie Forces
Zhihua Zhao, Tsinghua University, China

IAC-17.C2.IP.38
Nonlinear elastic parameter identification of knitted wire mesh structure
Tuanjie Li, Xidian University, China

IAC-17.C2.IP.39 (non-confirmed)
Sprig driven expandable reflector for deployable antennas
Cristian Ambrosini, , Italy

IAC-17.C2.IP.40
the design of a lightweight robotic arm link using functionally graded materials: a case study
Thomas McMaster, University of Strathclyde, Glasgow, United Kingdom

IAC-17.C2.IP.41
probabilistic performances assessment for phase-change materials aided single-phase mechanically pumped fluid loops
Jiaokun Cao, Key Laboratory of Space Utilization, Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences, China

IAC-17.C2.IP.42
Waverider design with longitudinal stable self-trim characteristics
Bingyan Chen, China Academy of Aerospace Aerodynamics(CAAA), China

IAC-17.C2.IP.43
hypersonic simulation of mars entry atmosphere based on gun tunnel
Hainan Jiang, China Academy of Aerospace Aerodynamics(CAAA), China

C3.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): Koji Tanaka , ISAS, JAXA, Japan; Ming Li , China Academy of Space Technology (CAST), China;

IAC-17.C3.IP.1
Utilization of Space Solar Power for the Moon
Charles Esty, University of Maryland, College Park, United States

IAC-17.C3.IP.2
Comparative Study of Power Generation Methods for Mars Mission: Potential of Space Solar Power (SSP) System
Zeyu Zhang, University of Maryland, College Park, United States

IAC-17.C3.IP.3
The analysis of the space environment effects on solar cells and its protection
Jinpeng Han, China Academy of Launch Vehicle Technology, China

IAC-17.C3.IP.6
Future Concepts for Space Solar Cells
Ghanim Alotaibi, , Kuwait

C4.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Christophe Bonhomme , Centre National d'Etudes Spatiales (CNES), France; Elizabeth Driscoll , Aerojet Rocketdyne, United States; Elizabeth Jens , Jet Propulsion Laboratory - California Institute of Technology, United States; Jerrol Littles , Aerojet Rocketdyne, United States; Yen-Sen Chen , American Institute of Aeronautics and Astronautics (AIAA), Taiwan, China;*

IAC-17.C4.IP.1
Spacecraft-plasma interactions of a cubesat equipped with miniaturized feep thrusters
Amenosis Lopez, TU Braunschweig, Germany

IAC-17.C4.IP.2
Advanced Propulsion Control System(APCS) Model using Intelligent Techniques
Elayaperumal Ezhilrajan, Indian Space Research Organization (ISRO), India

IAC-17.C4.IP.3
Transient Responses of Turbulent Heat Transfer of N-Decane at Supercritical Pressure and Temperature below 800 K
Bo Ruan, School of Aeronautics and Astronautics, Dalian University of Technology, China

IAC-17.C4.IP.5
wavelet packet analysis of time-frequency characteristic of the LOX/Kerosene rocket engine due to heavy impact
Feiping Du, Xi'an Aerospace Propulsion Institute, China

IAC-17.C4.IP.6
Application of Particle-In-Cell Simulation Techniques in the Analysis and Optimisation of Magnetic Nozzle Geometries
Alexander Ryan, University of New South Wales, Australia

IAC-17.C4.IP.7
Multi-objective Design Optimization of the Cusped Field Thruster for Micro-Satellite Platforms
Thomas Logan Fahey, RMIT University (Royal Melbourne Institute of Technology), Australia

IAC-17.C4.IP.8
Study of Effect of Neutral Flow and Electron Transport in Wall Less Hall Thruster Concept
Rajesh Natarajan, Bellatrix Aerospace Private Limited, India

IAC-17.C4.IP.9
Control of Miniaturized Electrospray Ion Thrusters for CubeSat Designs
Samuel Laprise, Ecole Polytechnique de Montreal, Canada

IAC-17.C4.IP.11
Overview of Electric Propulsion Developments at TU Dresden for Micro and Small-Satellites
Martin Tajmar, TU Dresden, Germany

IAC-17.C4.IP.14
Closed-loop Thrust Control for Micropropulsion Systems
Stefano Silvestrini, Delft University of Technology (TU Delft), The Netherlands

IAC-17.C4.IP.15
choi-williams ditribution analysis for fault detection of the liquid propellant rocket engine
Feiping Du, Xi'an Aerospace Propulsion Institute, China

IAC-17.C4.IP.16
Numerical Simulation Study of Flow Characteristics and Modes in Methane Transverse Jet
Zengkai Shi, , China

IAC-17.C4.IP.18
Study of Ignition Transient in 2m Diameter Segmented SRM
Jian-ru Wang, The 41st Institute of the Fourth Academy of CASC, China

IAC-17.C4.IP.19
An additively-manufactured CNG/GOX aerospike rocket engine: Test results, performance and analysis
Nicholas Mason-Smith, Monash University, Australia

IAC-17.C4.IP.20
Study on auto-ignited hybrid rocket based on n2o oxidizer using catalytic ignition system
Jincheol Kim, Chosun University, Korea, Republic of

IAC-17.C4.IP.21
Early Studies and Fire Tests of a Green Liquid Apogee Engine Based on Decomposition of 98% Hydrogen Peroxide
Pawel Surmacz, Institute of Aviation, Poland

IAC-17.C4.IP.23
Effect of Prestrain on Dynamic Mechanical Properties of HTPB propellant
Jiming CHENG, Northwestern Polytechnical University, China

IAC-17.C4.IP.25
investigation of catalytic re-ignition process in hydrogen peroxide hybrid rocket motors
Sheng Zhao, China Academy of Launch Vehicle Technology, China

IAC-17.C4.IP.26
numerical simulation of catalytic decomposition and combustion process in an hydroxylammonium nitrate (han)-based monopropellant thruster
Xiqiao Yu, Shanghai Insitute of Space Propulsion, China

IAC-17.C4.IP.27
Assessment of combustion instability mechanisms based on an energy balance analysis
Arnau Pons Lorente, Purdue University, United States

IAC-17.C4.IP.28
Investigation on the Near-nozzle Field Flow of Liquid Jet in a Supersonic Crossflow
Liyin Wu, China Aerodynamics Research and Development Center, China

IAC-17.C4.IP.29
A Theoretical Study on Throttle Ranges of O/F Controllable Hybrid Rocket Propulsion Systems
Kohei Ozawa, Kyushu Institute of Technology, Japan

IAC-17.C4.IP.30
Numerical simulation of the start process of a han-based mono-propellant rocket thruster
Dechuan Sun, School of Aeronautics and Astronautics, Dalian University of Technology, China

IAC-17.C4.IP.31
Systematic performance analysis of cubesat propulsion systems using the high performance satellite dynamics simulator HPS
Benny Rievers, ZARM - University of Bremen, Germany

IAC-17.C4.IP.32
Development of 2,500 N class hydrogen peroxide/polyethylene hybrid rocket for lab-scale sounding rocket application
Yongtae Yun, Korea Advanced Institute of Science and Technology (KAIST), Korea, Republic of

IAC-17.C4.IP.33
Numerical Simulation of Influence of Injector Parameters on Combustion in LOX/Methane Engine
Ping Jin, School of Astronautics, Beihang University, China

IAC-17.C4.IP.34
Material Compatibility of Six Metal Alloys with HAN based Green Monopropellant Fuel Blend
Saagar Malaichamy, Bellatrix Aerospace Private Limited., India

IAC-17.C4.IP.35
particle damping characteristics of low and medium frequency oscillation in solid rocket motor
Shaojuan Wei, Northwestern Polytechnical University□NPU, China

IAC-17.C4.IP.38
Shallow Water Tests of Seconary Injection Thrust Vector Control of Aerospike Nozzles
Christian Bach, Dresden University of Technology (DUT) / Technische Universität Dresden, Germany

IAC-17.C4.IP.39
Numerical and experimental study of supersonic film cooling with cracking hydrocarbon fuel as coolant
Silong Zhang, Harbin Institute of Technology, China

IAC-17.C4.IP.40
Design and Experimental Characterization of a Hydrogen Peroxide-Ethanol based Combustor for Space Propulsion
Ashtesh Kumar, Indian Institute of Technology, Bombay, India

IAC-17.C4.IP.42
Primary In-Space Experimental results of the HEP-100MF Electrical Propulsion System
Yan Shen, Beijing Insitude of Control Engineering, China

IAC-17.C4.IP.46 (non-confirmed)
Experimental and Computational Studies of Supersonic Combustion Characteristics of HyperMixer in Mach 8 Flight Condition
Yang Fujiang, Science and Technology on Scramjet Laboratory, The 31st Research Institute of CASIC, China

IAC-17.C4.IP.48 (non-confirmed)
The preliminary study of severity level of structural discontinuities in paraffin grain of hybrid propellant rocket
Artem Andrianov, University of Brasilia, Brazil

IAC-17.C4.IP.49 (non-confirmed)
Analysis of cavitation characteristics of pumps used in liquid rocket engines by using multihole orifice plate
RAHUL KUMAR CHAURASIA, Indian Space Research Organization (ISRO), India

IAC-17.C4.IP.50
On the Electrical Propulsion of a Solar Sail
Elena Ancona, Telespazio VEGA Deutschland GmbH, Germany

IAC-17.C4.IP.51
Physical grounds and control optimization of ultralow-orbit spacecraft with electric ramjet
Alexander S. Filatyev, Central Aero-HydroDynamic Institute, Russian Federation

D1.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): Jill Prince , National Aeronautics and Space Administration (NASA), United States; Reinhold Bertrand , European Space Agency (ESA), Germany;

IAC-17.D1.IP.1
Complex Manoeuvres for the Wheel-on-Leg Planetary Analogue MAMMOTH Rover
William Reid, Australian Center for Field Robotics, Australia

IAC-17.D1.IP.3
a fsm-based approach for system level flight procedure verification of deep space exploration probes
Xiaowei Fu, China Academy of Space Technology (CAST), China

IAC-17.D1.IP.6
satellite architecture optimization via adapted reliability analyses from commercial aviation
Kai Höfner, Technische Universität Braunschweig, Institute of Space Systems, Germany

IAC-17.D1.IP.7
analysis on application of Time Triggered Ethernet in spacecraft
Longfei Li, Xi'an Microelectronics Technology Institute, China Aerospace Science and Technology Corporation (CASC), China

IAC-17.D1.IP.8 (non-confirmed)
Design Criteria for Reduced Acoustic Emissions in Payloads for ISS Operations
Willaim Kirkland, , United States

IAC-17.D1.IP.10
A Knowledge based tool-kit for collaborative tradespace exploration:a front-end support to concurrent decision making
Loris Franchi, Politecnico di Torino, Italy

IAC-17.D1.IP.11
Application of model based systems engineering in virtual tests of the spacecraft
WEI XU, Science and Technology on Space Physics Laboratory, China

IAC-17.D1.IP.12
Reliability-based orbital design optimization for a earth observation satellite
Shima Rahmani, Tarbiat modares university, Iran

IAC-17.D1.IP.13
Generic satellite model libraries: rapid move to SysMl
Mahsa Taheran, Satellite Research Institute, Iranian Space Research Center, Iran

IAC-17.D1.IP.14
Optimal orbit of a typical Earth Observation satellite with the purpose of propellant and payload mass minimization
Asad Saghari, Tehran University , Iran

IAC-17.D1.IP.17
COMMUNICATIONS SATELLITE TO SUPORT A BORDER COUNTRY MONITORING SYSTEM
Jorge Nascimento, INPE - Natiional Institute for Space Research, Brazil

IAC-17.D1.IP.18
Engineering Data Management: The major blindspot that PLM Systems do not cover
Louise Lindblad, Valispace, Germany

IAC-17.D1.IP.19
An Automatic Multidisciplinary Design Optimization Framework and its Application to Launch Vehicle
Hua Su, Northwestern Polytechnical University, China

IAC-17.D1.IP.21
Model-based thermal design under uncertainty for the James Webb Space Telescope
Giuseppe Cataldo, National Aeronautics and Space Administration (NASA)/Goddard Space Flight Center, United States

IAC-17.D1.IP.22 (non-confirmed)
Space Mission Sensitivity Analysis Tool Using Machine Learning
Yuzhu Zhang, National Space Science Center, Chinese Academy of Sciences, China

IAC-17.D1.IP.23
fine manipulation and control of a molluscoid robot driven by magnetic repulsion force in limited and narrow space of spacecraft
Hou Yueyang, Shanghai Aerospace Control Technology Institute, China

IAC-17.D1.IP.24
A Target Selection Model for Crewed Asteroid Exploration Based on Comprehensive Evaluation Method
Xiaohui Wang, Beihang University, China

D2.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Christophe Bonnal , Centre National d'Etudes Spatiales (CNES), France; Daniel L. Dumbacher , Purdue University, United States;*
Rapporteur(s): *Carina Dorbath , MT Aerospace AG, Germany;*

IAC-17.D2.IP.2
terminal sliding mode control of payload re-entry using momentum exchange tether system
Changqing Wang, Northwestern Polytechnical University，NPU, China

IAC-17.D2.IP.3
The German Contribution to the Development of Ariane 6
Denis Regenbrecht, DLR (German Aerospace Center), Germany

IAC-17.D2.IP.4
a new three-stage-to-orbit concept utilizing rbcc propulsion technology
Cong Zhou, School of Astronautics,Northwestern Polytechnical University, China

IAC-17.D2.IP.5
Fully Reusable Two Stage to Orbit Conceptual Vehicle Design
Xiyuan Huang, China Academy of Launch Vehicle Technology, China

IAC-17.D2.IP.6
Comprehensive methodology for technology roadmaps generation and update for the European hypersonic and re-entry space transportation scenario
Sara Cresto Aleina, Politecnico di Torino, Italy

IAC-17.D2.IP.7
The Critical Technologies and Applications on Advanced Upper Stage Vehicles
Feng QI, Beijing Institute of Astronautical Systems Engineering, China

IAC-17.D2.IP.8
The General Discussion on Thermal Technologies in Advanced Space Transfer Vehicles
Feng QI, Beijing Institute of Astronautical Systems Engineering, China

IAC-17.D2.IP.9
An Investigation on the staging aerodynamics of a Two-Stage-To-Orbital Vehicle Powered by RBCC Engine
Yi Li, Northwestern Polytechnical University, China

IAC-17.D2.IP.10
The Orbital Tether Concept for Efficient Space Access
Colin Coleman, Defence Science and Technology Organisation (DSTO), Australia

IAC-17.D2.IP.11
Parameter Optimization of Lunar Space Elevator Transportation System Based on Comprehensive Evaluation Method
Xiaohui Wang, Beihang University, China

IAC-17.D2.IP.12
Flight Trajectory Analysis on Advanced Morphing Space Transportation System for Wider Cross Range and Down Range with Trimmed Flight
Shigeru Aso, Kyushu University, Japan

IAC-17.D2.IP.13
Massdriver Capabilities of the Bodies of the Solarsystem
Manfred Ehresmann, Institute of Space Systems, Universität Stuttgart, Germany

IAC-17.D2.IP.14
The Design of TSTO Air-Breathing Launch Vehicle Trajectory
Ning Zhou, China Aerospace Science & Industry Corporation (CASIC), China

IAC-17.D2.IP.15 (non-confirmed)
Research on a new concept first stage of TSTO launch vehicle configuration
Guoxiang Zhu, , China

IAC-17.D2.IP.16
Multiconditional load variable area nose (MCL-VAN)
Vinayak Malhotra, SRM University Chennai, India

IAC-17.D2.IP.17
Technical Capabilities of Chinese Launch Vehicles
Kayleigh Gordon, , United States

IAC-17.D2.IP.18 (non-confirmed)
Breaking New Grounds and Records: New Methodologies and practical applications in the convergence of aerospike motors and oceanic launch vehicles
Don Platt, , United States

IAC-17.D2.IP.19
Demise Observation Capsule: Progress update
Paul Stewart, S[&]T, The Netherlands

IAC-17.D2.IP.20
sending a deep space probe for interstellar exploration
Aditya Mishra, University of Petroleum and Energy Studies, India

IAC-17.D2.IP.22
Italian Contribution to the ESA Ministerial Conference 2016: next generation of the European VEGA launcher for new green and reusable space missions
Alessandro Gabrielli, Italian Space Agency (ASI), Italy

IAC-17.D2.IP.23
orbital transfer performance and mission applicability analysis for bare electrodynamic tethered spacecraft
Feng Zhang, China Academy of Launch Vehicle Technology(CALT), China

D3.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): Alain Pradier , European Space Agency (ESA), The Netherlands; John C. Mankins , ARTEMIS Innovation Management Solutions, LLC, United States;

IAC-17.D3.IP.1
Foundation Strengthening of Third Generation Modular Space Exploration Through Integrated Public Engagement
Marcia Fiamengo, , United States

IAC-17.D3.IP.2
Using terrestrial research to advance development of Bio-regenerative life support systems
Megan Kane, Spire Global, Inc., United States

IAC-17.D3.IP.3
The Polar Reel, a novel approach for implementing a space elevator
Jean-Yves Prado, PLATINEO, France

IAC-17.D3.IP.4
STARS-E Climber's Radiation Environment and Component Analysis Results
Darren Coste, Nihon University, Japan

IAC-17.D3.IP.5
Using Tethers to Change the Orbital Plane of a Spacecraft
Thais Carneiro Oliveira, Instituto Nacional de Pesquisas Espaciais (INPE), Brazil

E1.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Carolyn Knowles , National Aeronautics and Space Administration (NASA), United States; Lisa Antoniadis , EASL, Switzerland;*
Rapporteur(s): *Carlos Duarte , Agencia Espacial Mexicana (AEM), Mexico; Gulnara T. Omarova , Astrophysical Institute, Kazakhstan;*

IAC-17.E1.IP.3
Generality 0f Aeronautics & Astronautics: An innovative and constructive course to undergraduates and general public
YI Xiao Su, Beihang University (BUAA), China

IAC-17.E1.IP.4
Promoting Space Education and Awareness in Pakistan-Initiatives, Achievements,Challenges and Issues
Aisha Jagirani, Beihang University (BUAA), China

IAC-17.E1.IP.7
YURI'S NIGHT LIVE 2017: A Thousand Voices Sharing How They Celebrate Human Spaceflight and Inspire Others
Ryan L. Kobrick, Yuri's Night, United States

IAC-17.E1.IP.8
Funding Science: Searching for a New Measure of Public Opinion on Space
Kathryn Robison, The University of Alabama, United States

IAC-17.E1.IP.10
Astronomy Outreach to students and the public to promote scientific temper in India
Sachin Bahmba, , India

IAC-17.E1.IP.12
2nd European Space Generation Workshop Paris: A voice of next generation's space leaders
Florian Ruhhammer, Space Generation Advisory Council (SGAC), Germany

IAC-17.E1.IP.13
Building trans-national and multi-disciplinary academic curricula through adaptation of a project-based approach.
Olga Bannova, University of Houston, United States

IAC-17.E1.IP.14
Affordable access to sub-orbital research for Latin American countries
Jaime Jaramillo, Ecuadorian Civilian Space Agency (EXA), Ecuador

IAC-17.E1.IP.15
Ideal Education Template for Undergraduate Space Engineering for Advancement of Global Space Community
Ugur Guven, UN CSSTEAP, United States

IAC-17.E1.IP.16
Open Space: Experience Virtual Learning Environments
Patty Rangel, , United States

IAC-17.E1.IP.17
Lessons learned from starting Space Cafe in Tokyo
Danielle DeLatte, , Japan

IAC-17.E1.IP.18 (non-confirmed)
Citizens' debate: a new way for engaging the general public
Nathalie Meusy, European Space Agency (ESA), France

IAC-17.E1.IP.19
EARLY MEASURES TO ENHANCE FEMALE STUDENTS INTEREST IN STEM EDUCATION: AN INTERNATIONAL COMPARATIVE STUDY.
Owusu Ansah Boakye, Texas State University, United States

IAC-17.E1.IP.20
Africa's contribution towards the space industry: focus on South Africa's value add towards career development of the youth.
Tenda Madima, Parliament of the Republic of South Africa, South Africa

IAC-17.E1.IP.21
First educational satellite to enhance sustainable space program in ghana
Benjamin Bonsu, Kyushu Institute of Technology, Japan

IAC-17.E1.IP.22
The Canadian Reduced Gravity Experiment Design Challenge: Emerging Parabolic Flight Opportunities for Students
Elias Solorzano, Students for the Exploration and Development of Space (SEDS-Canada), Canada

IAC-17.E1.IP.23
Terrestrial analogues to Mars, the Moon and microgravity: Analysis of research sites for analogue missions in Colombia as an emerging country in space activities
Monika Johanna Pardo Spiess, Space Generation Advisory Council (SGAC), Germany

IAC-17.E1.IP.24
PULSE@Parkes; engaging high school students in hands-on radio astronomy
Robert Hollow, CSIRO, Australia

IAC-17.E1.IP.25
HANDS-ON ROCKET SCIENCE – HOW THE STERN PROGRAM MOTIVATES UNIVERSITY STUDENTS TO DESIGN, TEST AND LAUNCH A ROCKET
Katharina Schüttauf, Deutsches Zentrum fuer Luft- und Raumfahrt (DLR), Germany

IAC-17.E1.IP.26
SPUTNIX education: from satellite mockup to cubesat launch
Zaynulla Zhumaev, SPUTNIX, Russian Federation

IAC-17.E1.IP.27
The Italian Space Agency (ASI) web portal Distretto Virtuale and its interactions with ordinary and PhD thesis elaborations on Space Economy
Giacomo Primo Sciortino, Italian Space Agency (ASI), Italy

IAC-17.E1.IP.28
Wedgetail: A Sounding Rocket to Lift off Rocketry Education in Australia
Ki Myung Brian Lee, University of Sydney, Australia

IAC-17.E1.IP.29
A new instrument to assess scientific literacy for space outreach
Isabelle Kingsley, University of New South Wales, Australia

IAC-17.E1.IP.30
Stratospheric balloon constellations for educational purposes: benefits and challenges
Emily Bathgate, International Spacde University, Australia

IAC-17.E1.IP.31
Development of Collaborative Modeling Tool and System Thinking Educational Program for Nano-Satellite Developers
Yohsuke Nambu, Osaka Prefecture University, Japan

IAC-17.E1.IP.32
Student CEF at Sapienza - University of Rome: Preliminary design of LEDSAT CubeSat
Andrea Gianfermo, Sapienza - University of Rome, Italy

IAC-17.E1.IP.33
Robotic Planetary Exploration Analogue Missions at the International Space University, Latest Results
Ewan Reid, Mission Control Space Services Inc., Canada

IAC-17.E1.IP.34 (non-confirmed)
The Role of Space Culture Promotion in Space Science and Technology Education
Jingnong Weng, Regional Centre for Space Science and Technology Education in Asia and the Pacific (China); Beihang University, China

IAC-17.E1.IP.36
This Generation's Sputnik: Eliminating the Poverty Achievement Gap in K12 Science Through the Use of Space Science Education
Kareen Borders, University of Washington, United States

IAC-17.E1.IP.37
Space oriented scientific and educational programme in the field of basic engineering at children's summer camp
Victor Leonov, N.E. Bauman Moscow State Technical University, Russia, Russian Federation

IAC-17.E1.IP.38
Investigation of using University Multidisciplinary Capstone Design Courses to Teach Space Systems Engineering, Fundamental Space Science, and Human Factors
Aaron H. Persad, University of Toronto, Canada

IAC-17.E1.IP.39
The Mars Lab: An Immersive Mars Analogue Exploration Mission to Promote STEM Education for Secondary School Students
William Reid, Australian Center for Field Robotics, Australia

E3.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Bernhard Schmidt-Tedd , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany; Jacques Masson , European Space Agency (ESA), The Netherlands;*

IAC-17.E3.IP.2
Strategic risks of projects with special regard to SMEs in the new space area
Ruediger Suess, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.E3.IP.4
The space policy as a factor to strengthen the scientific and technological development in developing countries
Nickté Basurto, , Mexico

IAC-17.E3.IP.5
The rise of the private actor
Alessandra Vernile, European Space Policy Institute (ESPI), Austria

IAC-17.E3.IP.6
Will international space competition go to space warfare?
Lini ZHOU, National University of Defense Technology, China

IAC-17.E3.IP.7
The Military Relevance of Commercial Space
Carissa Christensen, Bryce Space and Technology, United States

IAC-17.E3.IP.8
HOW TO IMPROVE THE COMPETITIVENESS AND SUSTAINABILITY OF THE INDUSTRIAL SYSTEM IN THE SPACE SECTOR. THE POLICIES IMPLEMENTED BY THE ITALIAN SPACE AGENCY TO SUSTAIN THE KEY ROLE OF SMALL AND MEDIUM COMPANIES.
Silvia Ciccarelli, Italian Space Agency (ASI), Italy

IAC-17.E3.IP.9
the incorporation of the regime of long-term sustainability of outer space activities into the asia-pacific space cooperation regime: necessity and possibility
YONGLIANG YAN, The University of Hong Kong, China

IAC-17.E3.IP.10
Identifying Major Challenges for Space Industry Segment Research: An International Outlook
Dmitry Payson, United Rocket and Space Corporation, Russian Federation

IAC-17.E3.IP.11
an analysis of the current situation and trend of commercial aerospace in China
Xia Yu, China Academy of Launch Vehicle Technology(CALT), China

IAC-17.E3.IP.12
Jurisdiction Regime for Space Exploration: A Doctrinal Labyrinth
Wanlu ZHANG, Leiden University, The Netherlands

IAC-17.E3.IP.14
Theoretical Study on Comparative Study of Space Development Innovation System
Jong-Bum Kim, Korea Aerospace Research Institute (KARI), Korea, Republic of

IAC-17.E3.IP.15
Analysis of Space and Security Policy in the Frame of European Space Integration: Space Strategies, Programmes and Governance in Europe
Angeliki Papadimitriou, National and Kapodistrian University Of Athens, Greece

IAC-17.E3.IP.16
General Discussions on Influences of draft guidelines for the Long-term sustainability of outer space activity
Feng QI, Beijing Institute of Astronautical Systems Engineering, China

E5.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Geoffrey Languedoc , Canadian Aeronautics & Space Institute (CASI), Canada; Olga Bannova , University of Houston, United States;*

IAC-17.E5.IP.1
SPAACE: South-American Program and Aerospace Agency for Cooperation and Exploration
Avid Roman-Gonzalez, Image Processing Research Laboratory (INTI-Lab). Universidad de Ciencias y Humanidades - UCH, Peru

IAC-17.E5.IP.3
"Swimming The Rings Of A Gas Hypergiant" – Transmedia project for astronauts
Ludwig Pasenau, LLA-CREATIS laboratory / CRISO research platform, France

IAC-17.E5.IP.6
Space-based DRM by Location-based Emergency Shelter Awareness and Training (LESAT)
Goutham Karthikeyan, Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency, Japan

IAC-17.E5.IP.7 (non-confirmed)
Utilization of Commercial Earth Observation Services to Manage Natural Disaster Response
Jonathan Fitzgerald, , United States

IAC-17.E5.IP.9
The requirement for microgravity specific footwear and its impact on space architecture.
Craig McCormack, University of Western Australia, Australia

IAC-17.E5.IP.11
Exploring Governance Frameworks for an Earthquake Early-Warning Future Space-Based System
Stefano Ferretti, European Space Policy Institute (ESPI), Austria

IAC-17.E5.IP.12
Study on the promotion of the space civilian use
Shen Zongyue, Institue of China Aerospace Times Electronics Corporation, China

IAC-17.E5.IP.13
TOWARD A BETTER EUROPEAN MARITIME GOVERNANCE: THE EUCISE2020 PROJECT
Patrizia Sacco, Italian Space Agency (ASI), Italy

IAC-17.E5.IP.15
An International Intercollegiate Collaboration for Development of Educational Launch Vehicles
Sejin Kwon, Korea Advanced Institute of Science and Technology (KAIST), Korea, Republic of

IAC-17.E5.IP.16
The Multilateral Negotiation of an Emerging Space Policy on the Mexican Foreign Policy Agenda: Challenges and Opportunities
Sofía Andrea Huerta Ramírez, Universidad Nacional Autónoma de México, Mexico

E6.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Ken Davidian , Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States;*

IAC-17.E6.IP.1
Bridging science and entertainment with shooting stars on demand
Lena Okajima, ALE CO. LTD, Japan

IAC-17.E6.IP.2
The El Salvador Aerospace Institute – A New Space Agency in a Low Income Country: History, Challenges, Milestones and Prospects for the Future.
Luis Salaverria, EL Salvador Aerospace Institute (ESAI), El Salvador

IAC-17.E6.IP.3 (non-confirmed)
Export Potential of Russian Space Industry: Experience and Future Programmes of Lavochkin Association
Sergei Antonovich Lemeshevsky, Lavochkin Science and Production Association, Russian Federation

IAC-17.E6.IP.4 (non-confirmed)
ANALYSIS OF THE ITALIAN SPACE INDUSTRY COMPETENCIES: A REGIONAL DISTRIBUTION MAPPING
Davide Melone, ASI - Italian Space Agency, Italy

IAC-17.E6.IP.5
Europe as a Leader in the New Space Age – Germany's pivotal role in transforming Space
Daniel Sagath, Vrije Universiteit Amsterdam, The Netherlands

IAC-17.E6.IP.6
A missing link in New Space - A global commercial space accelerator
Troy McCann, , Australia

IAC-17.E6.IP.7 (non-confirmed)
Space marketing: A novel experience in luxury brands.
Andrea Escobar Rios, ITESM, Mexico

E7.IP. Interactive Presentations

September 28 2017, 12:45 — Hall J&K2

Co-Chair(s): *Catherine Doldirina , International Institute of Space Law (IISL), Italy; Lesley Jane Smith , Leuphana University of Lüneburg/Weber-Steinhaus & Smith, Germany;*

IAC-17.E7.IP.1 (non-confirmed)
Criminal law and jurisdiction in space.
Víctor Iván Coello Marcelín, , Mexico

IAC-17.E7.IP.2
Application of Intellectual Property Rights to Outer Space Activities: An Adaptive Regulatory Approach in the Context of Space Commercialization
Zhijie Chen, The University of Hong Kong, China

IAC-17.E7.IP.3
The impact of the private sector on space regulation
Barbara Skardzińska, University of Warsaw, Poland

IAC-17.E7.IP.4
The Territorial Conception of the Province Provision Within the OST's Travaux Préparatoires and its Equally Authentic Languages
Andrew Butler, The University of Melbourne, Australia

IAC-17.E7.IP.9
Commercialisation of Space - The Curious Case of India
Pranay Lekhi, , India

IAC-17.E7.IP.10
Immunities of Astronauts in an Era of Commercialisation - Is the Space Law Regime Adequate?
Pranay Lekhi, , India

IAC-17.E7.IP.12
The Extraterrestrial Impact of the South China Sea Dispute
Roncevert Almond, The Wicks Group, United States

IAC-17.E7.IP.13
Essential Space Policy for Small Satellites - An important measure and urgency.
Aurthur Vimalachandran Thomas Jayachandran, Samara University, Russian Federation

IAC-17.E7.IP.15
Space Courts
Bahar Ramazanova, , Azerbaijan

7 Technical Sessions by Symposium

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Nr.	Session name	Date	Time	Room
A1	**IAA/IAF SPACE LIFE SCIENCES SYMPOSIUM**			
A1.1	Behaviour, Performance and Psychosocial Issues in Space	Mon, 25 Sep	15:15	City Room 2
A1.2	Human Physiology in Space	Tue, 26 Sep	09:45	City Room 2
A1.3	Medical Care for Humans in Space	Tue, 26 Sep	14:45	City Room 2
A1.4	The International Space Station in LEO and the Deep Space Habitat in Cis- Lunar Space as platforms for simulated Mars voyages	Wed, 27 Sep	09:45	City Room 2
A1.5	Radiation Fields, Effects and Risks in Human Space Missions	Wed, 27 Sep	14:45	City Room 2
A1.6	Astrobiology and Exploration	Thu, 28 Sep	09:45	City Room 2
A1.7	Life Support, habitats and EVA Systems	Fri, 29 Sep	09:00	City Room 2
A1.8	Biology in Space	Fri, 29 Sep	11:00	City Room 2
A1.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
A2	**MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM**			
A2.1	Gravity and Fundamental Physics	Mon, 25 Sep	15:15	Hall B
A2.2	Fluid and Materials Sciences	Tue, 26 Sep	09:45	Hall B
A2.3	Microgravity Experiments from Sub-Orbital to Orbital Platforms	Wed, 27 Sep	09:45	Hall B
A2.4	Science Results from Ground Based Research	Wed, 27 Sep	14:45	Hall B
A2.5	Facilities and Operations of Microgravity Experiments	Thu, 28 Sep	14:45	Hall B
A2.6	Microgravity Sciences Onboard the International Space Station and Beyond - Part 1	Fri, 29 Sep	09:00	Meeting Room L1 (a&b)
A2.7	Microgravity Sciences Onboard the ISS and Beyond	Fri, 29 Sep	11:00	Meeting Room L1 (a&b)
A2.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
A3	**SPACE EXPLORATION SYMPOSIUM**			
A3.1	Space Exploration Overview	Mon, 25 Sep	15:15	Hall N
A3.2A	Moon Exploration – Part 1	Tue, 26 Sep	09:45	Hall N
A3.2B	Moon Exploration – Part 2	Tue, 26 Sep	14:45	Hall N
A3.2C	Moon Exploration – Part 3	Fri, 29 Sep	09:00	Hall N
A3.3A	Mars Exploration – missions current and future	Wed, 27 Sep	09:45	Hall N
A3.3B	Mars Exploration – Science, Instruments and Technologies	Wed, 27 Sep	14:45	Hall N
A3.4A	Small Bodies Missions and Technologies (Part 1)	Thu, 28 Sep	09:45	Hall N
A3.4B	Small Bodies Missions and Technologies (Part 2)	Fri, 29 Sep	11:00	Hall N
A3.5	Solar System Exploration	Thu, 28 Sep	14:45	Hall N
A3.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
A4	**46th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) – The Next Steps**			
A4.1	SETI 1: SETI Science and Technology	Tue, 26 Sep	14:45	Hall B
A4.2	SETI 2: SETI and Society	Thu, 28 Sep	09:45	Hall B
A5	**20TH IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM**			
A5.1	Human Exploration of the Moon and Cislunar Space	Wed, 27 Sep	14:45	Hall E2
A5.2	Human Exploration of Mars	Tue, 26 Sep	14:45	Hall E2
A5.3-B3.6	Human and Robotic Partnerships in Exploration - Joint session of the Human Spaceflight and Exploration Symposia	Thu, 28 Sep	14:45	City Room 3
A5.4-D2.8	Joint-session: Space Transportation Solutions for Deep Space Missions	Fri, 29 Sep	09:00	Hall O

Nr.	Session name	Date	Time	Room
A5.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
A6	**15th IAA SYMPOSIUM ON SPACE DEBRIS**			
A6.1	Measurements	Mon, 25 Sep	15:15	Hall E1
A6.10-B4.10	Joint Small Satellite/Space Debris Session to promote the long-term sustainability of space	Fri, 29 Sep	11:00	Hall E2
A6.2	Modelling and Risk Analysis	Tue, 26 Sep	09:45	Hall E1
A6.3	Hypervelocity Impacts and Protection	Wed, 27 Sep	09:45	Hall E1
A6.4	Mitigation and Standards	Tue, 26 Sep	14:45	Hall E1
A6.5	Space Debris Removal Issues	Thu, 28 Sep	09:45	Hall E1
A6.6	Space Debris Removal Concepts	Thu, 28 Sep	14:45	Hall E1
A6.7	Operations in Space Debris Environment, Situational Awareness	Fri, 29 Sep	09:00	Hall E1
A6.8	Policy, Legal, Institutional and Economic Aspects of Space Debris Detection, Mitigation and Removal (joint session with Space Security Committee)	Fri, 29 Sep	11:00	Hall E1
A6.9	Orbit Determination and Propagation	Wed, 27 Sep	14:45	Hall E1
A6.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
A7	**SYMPOSIUM ON FUTURE SPACE ASTRONOMY AND SOLAR-SYSTEM SCIENCE MISSIONS**			
A7.1	Space Agency Strategies and Plans	Mon, 25 Sep	15:15	Riverbank 5
A7.2	Science Goals and Drivers for Future Exoplanet, Space Astronomy, Physics, and Outer Solar System Science Missions	Tue, 26 Sep	09:45	Riverbank 5
A7.3	Technology Needs for Future Missions, Systems, and Instruments	Fri, 29 Sep	11:00	Riverbank 5
A7.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
B1	**EARTH OBSERVATION SYMPOSIUM**			
B1.1	International Cooperation in Earth Observation Missions	Mon, 25 Sep	15:15	Hall E2
B1.2	Future Earth Observation Systems	Tue, 26 Sep	09:45	Hall E2
B1.3	Earth Observation Sensors and Technology	Wed, 27 Sep	09:45	Hall E2
B1.4	Earth Observation Data Management Systems	Fri, 29 Sep	09:00	Hall E2
B1.5	Earth Observation Applications and Economic Benefits	Thu, 28 Sep	14:45	Hall E2
B1.6	Big Data, Data Cubes and new platforms to exploit large-scale, multi-temporal EO Data	Thu, 28 Sep	09:45	Hall E2
B1.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
B2	**SPACE COMMUNICATIONS AND NAVIGATION SYMPOSIUM**			
B2.1	Advanced Space Communications and Navigation Systems	Mon, 25 Sep	15:15	Meeting Room L3
B2.2	Fixed and Broadcast Communications	Tue, 26 Sep	09:45	Meeting Room L3
B2.3	Mobile Satellite Communications and Navigation Technology	Tue, 26 Sep	14:45	Meeting Room L3
B2.4	Advanced Satellite Services	Wed, 27 Sep	09:45	Meeting Room L3
B2.5	Space-Based Navigation Systems and Services	Wed, 27 Sep	14:45	Meeting Room L3
B2.6	Near-Earth and Interplanetary Communications	Thu, 28 Sep	09:45	Meeting Room L3
B2.7	Advanced Technologies for Space Communications and Navigation	Fri, 29 Sep	11:00	Meeting Room L3
B2.8-GTS.3	Space Communications and Navigation Global Technical Session	Thu, 28 Sep	14:45	Riverbank 2
B2.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
B3	**HUMAN SPACEFLIGHT SYMPOSIUM**			
B3.1	Governmental Human Spaceflight Programs (Overview)	Mon, 25 Sep	15:15	City Room 3
B3.2	Commercial Human Spaceflight Programs	Tue, 26 Sep	09:45	City Room 3
B3.3	Utilization & Exploitation of Human Spaceflight Systems	Tue, 26 Sep	14:45	City Room 3
B3.4-B6.5	Flight & Ground Operations of HSF Systems (A Joint Session of the Human Spaceflight and Space Operations Symposia)	Wed, 27 Sep	09:45	City Room 3
B3.5	Astronaut Training, Accommodation, and Operations in Space	Thu, 28 Sep	09:45	City Room 3
B3.6-A5.3	Human and Robotic Partnerships in Exploration - Joint session of the Human Spaceflight and Exploration Symposia	Thu, 28 Sep	14:45	City Room 3

Nr.	Session name	Date	Time	Room
B3.7	Advanced Systems, Technologies, and Innovations for Human Spaceflight	Fri, 29 Sep	09:00	City Room 3
B3.8-E7.7	Joint IAF/IISL Session on Legal Framework for Collaborative Space Activities	Fri, 29 Sep	11:00	City Room 3
B3.9-GTS.2	Human Spaceflight Global Technical Session	Wed, 27 Sep	14:45	Riverbank 2
B3.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
B4	**24th IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS**			
B4.1	18th Workshop on Small Satellite Programmes at the Service of Developing Countries	Tue, 26 Sep	09:45	Panorama Room 1
B4.10-A6.10	Joint Small Satellite/Space Debris Session to promote the long-term sustainability of space	Fri, 29 Sep	11:00	Hall E2
B4.2	Small Space Science Missions	Mon, 25 Sep	15:15	Panorama Room 1
B4.3	Small Satellite Operations	Tue, 26 Sep	14:45	Panorama Room 1
B4.4	Small Earth Observation Missions	Wed, 27 Sep	09:45	Panorama Room 1
B4.5	Access to Space for Small Satellite Missions	Wed, 27 Sep	14:45	Panorama Room 1
B4.5A-C4.8	Joint Session between IAA and IAF for Small Satellite Propulsion Systems	Fri, 29 Sep	11:00	Hall E3
B4.6A	Generic Technologies for Small/Micro Platforms	Thu, 28 Sep	09:45	Panorama Room 1
B4.6B	Generic Technologies for Nano/Pico Platforms	Thu, 28 Sep	14:45	Panorama Room 1
B4.7	Highly Integrated Distributed Systems	Fri, 29 Sep	11:00	Panorama Room 1
B4.8	Small Spacecraft for Deep-Space Exploration	Fri, 29 Sep	09:00	Panorama Room 1
B4.9-GTS.5	Small Satellite Missions Global Technical Session	Tue, 26 Sep	14:45	Riverbank 2
B5	**SYMPOSIUM ON INTEGRATED APPLICATIONS**			
B5.1	Tools and Technology in Support of Integrated Applications	Fri, 29 Sep	09:00	Meeting Room L3
B5.2	Integrated Applications End-to-End Solutions	Thu, 28 Sep	14:45	Meeting Room L3
B6	**SPACE OPERATIONS SYMPOSIUM**			
B6.1	Ground Operations - Systems and Solutions	Mon, 25 Sep	15:15	City Room 4
B6.2	New Space Operations Concepts and Advanced Systems	Thu, 28 Sep	14:45	City Room 4
B6.3	Mission Operations, Validation, Simulation and Training	Fri, 29 Sep	09:00	City Room 1
B6.5-B3.4	Flight & Ground Operations of HSF Systems (A Joint Session of the Human Spaceflight and Space Operations Symposia)	Wed, 27 Sep	09:45	City Room 3
B6.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
C1	**ASTRODYNAMICS SYMPOSIUM**			
C1.1	Attitude Dynamics (1)	Mon, 25 Sep	15:15	Hall A
C1.2	Attitude Dynamics (2)	Tue, 26 Sep	09:45	Hall A
C1.3	Guidance, Navigation & Control (1)	Tue, 26 Sep	14:45	Hall A
C1.4	Guidance, Navigation & Control (2)	Wed, 27 Sep	09:45	Hall A
C1.5	Guidance, Navigation & Control (3)	Wed, 27 Sep	14:45	Hall A
C1.6	Mission Design, Operations & Optimization (1)	Thu, 28 Sep	09:45	Hall A
C1.7	Mission Design, Operations & Optimization (2)	Thu, 28 Sep	14:45	Hall A
C1.8	Orbital Dynamics (1)	Fri, 29 Sep	09:00	Riverbank 6 (a&b)
C1.9	Orbital Dynamics (2)	Fri, 29 Sep	11:00	Riverbank 6 (a&b)
C1.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
C2	**MATERIALS AND STRUCTURES SYMPOSIUM**			
C2.1	Space Structures I - Development and Verification (Space Vehicles and Components)	Mon, 25 Sep	15:15	Panorama Room 2
C2.2	Space Structures II - Development and Verification (Deployable and Dimensionally Stable Structures)	Tue, 26 Sep	09:45	Panorama Room 2
C2.3	Space Structures - Dynamics and Microdynamics	Tue, 26 Sep	14:45	Panorama Room 2
C2.4	Advanced Materials and Structures for High Temperature Applications	Wed, 27 Sep	09:45	Panorama Room 2

Nr.	Session name	Date	Time	Room
C2.5	Smart Materials and Adaptive Structures	Wed, 27 Sep	14:45	Panorama Room 2
C2.6	Space Environmental Effects and Spacecraft Protection	Thu, 28 Sep	09:45	Panorama Room 2
C2.7	Space Vehicles – Mechanical/Thermal/Fluidic Systems	Thu, 28 Sep	14:45	Panorama Room 2
C2.8	Specialised Technologies, Including Nanotechnology	Fri, 29 Sep	09:00	Panorama Room 2
C2.9	Advancements in Materials Applications and Rapid Prototyping	Fri, 29 Sep	11:00	Panorama Room 2
C2.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
C3	**SPACE POWER SYMPOSIUM**			
C3.1	Space-Based Solar Power Architectures / Space & Energy Concepts	Mon, 25 Sep	15:15	City Room 1
C3.2	Wireless Power Transmission Technologies, Experiments and Demonstrations	Tue, 26 Sep	09:45	City Room 1
C3.3	Advanced Space Power Technologies and Concepts	Wed, 27 Sep	14:45	City Room 3
C3.4	Small and Very Small Advanced Space Power Systems	Thu, 28 Sep	14:45	City Room 2
C3.5-C4.7	Joint Session on Advanced and Nuclear Power and Propulsion Systems	Fri, 29 Sep	09:00	Hall E3
C3.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
C4	**SPACE PROPULSION SYMPOSIUM**			
C4.1	Propulsion System (1)	Mon, 25 Sep	15:15	Hall E3
C4.10	Propulsion Technology (3)	Fri, 29 Sep	11:00	City Room 4
C4.2	Propulsion System (2)	Tue, 26 Sep	09:45	Hall E3
C4.3	Propulsion Technology (1)	Wed, 27 Sep	09:45	Hall E3
C4.4	Electric Propulsion	Wed, 27 Sep	14:45	Hall E3
C4.5	Propulsion Technology (2)	Thu, 28 Sep	09:45	Hall E3
C4.6	New Missions Enabled by New Propulsion Technology and Systems	Thu, 28 Sep	14:45	Hall E3
C4.7-C3.5	Joint Session on Advanced and Nuclear Power and Propulsion Systems	Fri, 29 Sep	09:00	Hall E3
C4.8-B4.5A	Joint Session between IAA and IAF for Small Satellite Propulsion Systems	Fri, 29 Sep	11:00	Hall E3
C4.9	Hypersonic Air-breathing and Combined Cycle Propulsion	Tue, 26 Sep	14:45	Hall E3
C4.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
D1	**SPACE SYSTEMS SYMPOSIUM**			
D1.1	Innovative and Visionary Space Systems	Mon, 25 Sep	15:15	Riverbank 3
D1.2	Space Systems Architectures	Tue, 26 Sep	14:45	Riverbank 3
D1.3	Technologies to Enable Space Systems	Wed, 27 Sep	09:45	Riverbank 3
D1.4A	Space Systems Engineering - Methods, Processes and Tools (1)	Wed, 27 Sep	14:45	Riverbank 3
D1.4B	Space Systems Engineering - Methods, Processes and Tools (2)	Thu, 28 Sep	09:45	Riverbank 3
D1.5	Lessons Learned in Space Systems: Achievements, Challenges, Best Practices, Standards.	Fri, 29 Sep	09:00	Riverbank 3
D1.6	Cooperative and Robotic Space Systems	Fri, 29 Sep	11:00	Riverbank 3
D1.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
D2	**SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS SYMPOSIUM**			
D2.1	Launch Vehicles in Service or in Development	Mon, 25 Sep	15:15	Hall O
D2.2	Launch Services, Missions, Operations, and Facilities	Tue, 26 Sep	09:45	Hall O
D2.3	Upper Stages, Space Transfer, Entry and Landing Systems	Wed, 27 Sep	09:45	Hall O
D2.4	Future Space Transportation Systems	Wed, 27 Sep	14:45	Hall O
D2.5	Technologies for Future Space Transportation Systems	Thu, 28 Sep	09:45	Hall O
D2.6	Future Space Transportation Systems Verification and In-Flight Experimentation	Thu, 28 Sep	14:45	Hall O
D2.7	Small Launchers: Concepts and Operations	Tue, 26 Sep	14:45	Hall O
D2.8-A5.4	Space Transportation Solutions for Deep Space Missions	Fri, 29 Sep	09:00	Hall O
D2.9-D6.2	Joint-Session Creating Safe Transportation Systems for Sustainable Commercial Human Spaceflight	Fri, 29 Sep	11:00	Hall O

Nr.	Session name	Date	Time	Room
D2.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
D3	**15th IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE EXPLORATION AND DEVELOPMENT**			
D3.1	Strategies & Architectures as the Framework for Future Building Blocks in Space Exploration and Development	Tue, 26 Sep	09:45	Riverbank 4
D3.2	Systems and Infrastructures to Implement Future Building Blocks in Space Exploration and Development	Wed, 27 Sep	09:45	Riverbank 4
D3.3	Novel Concepts and Technologies to Enable Future Building Blocks in Space Exploration and Development	Thu, 28 Sep	14:45	Riverbank 4
D3.4	Space Technology and System Management Practices and Tools	Thu, 28 Sep	09:45	Riverbank 4
D3.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
D4	**15th IAA SYMPOSIUM ON VISIONS AND STRATEGIES FOR THE FUTURE**			
D4.1	Innovative Concepts and Technologies	Mon, 25 Sep	15:15	Riverbank 4
D4.2	Contribution of Space Activities to Solving Global Societal Issues	Wed, 27 Sep	14:45	Riverbank 4
D4.3	Conceptualizing Space Elevators and Tethered Satellites	Thu, 28 Sep	14:45	Riverbank 3
D4.4	Strategies for Rapid Implementation of Interstellar Missions: Precursors and Beyond	Fri, 29 Sep	11:00	Riverbank 4
D4.5	Space Mineral Resources, Asteroid Mining and Lunar/Mars insitu	Fri, 29 Sep	09:00	Riverbank 4
D5	**50th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE MANAGEMENT IN SPACE ACTIVITIES**			
D5.1	Safety and Quality for “Low Cost” Space Programs	Wed, 27 Sep	09:45	Riverbank 5
D5.2	Knowledge management and collaboration in space activities	Thu, 28 Sep	09:45	Riverbank 5
D5.3	Prediction, Measurement and Effects of space environment on space missions	Thu, 28 Sep	14:45	Riverbank 5
D5.4	Cyber-security threats to space missions and countermeasures to address them	Fri, 29 Sep	09:00	Riverbank 5
D6	**SYMPOSIUM ON COMMERCIAL SPACEFLIGHT SAFETY ISSUES**			
D6.1	Commercial Space Flight Safety and Emerging Issues	Tue, 26 Sep	09:45	Riverbank 2
D6.2-D2.9	Joint-Session Creating Safe Transportation Systems for Sustainable Commercial Human Spaceflight	Fri, 29 Sep	11:00	Hall O
D6.3	Enabling safe commercial spaceflight: vehicles and spaceports	Thu, 28 Sep	09:45	Riverbank 2
E1	**SPACE EDUCATION AND OUTREACH SYMPOSIUM**			
E1.1	Ignition - Primary Space Education	Fri, 29 Sep	09:00	Panorama Room 3
E1.2	Lift Off - Secondary Space Education	Fri, 29 Sep	11:00	Panorama Room 3
E1.3	On Track - Undergraduate Space Education	Tue, 26 Sep	09:45	Panorama Room 3
E1.4	In Orbit - Postgraduate Space Education	Tue, 26 Sep	14:45	Panorama Room 3
E1.5	Enabling the Future - Developing the Space Workforce	Wed, 27 Sep	14:45	Panorama Room 3
E1.6	Calling Planet Earth - Space Outreach to the General Public	Mon, 25 Sep	15:15	Panorama Room 3
E1.7	New Worlds - Non-Traditional Space Education and Outreach	Thu, 28 Sep	09:45	Panorama Room 3
E1.8	Hands-on Space Education and Outreach	Wed, 27 Sep	09:45	Panorama Room 3
E1.9	Space Culture – Public Engagement in Space through Culture	Thu, 28 Sep	14:45	Panorama Room 3
E1.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
E2	**45th STUDENT CONFERENCE**			
E2.1	Student Conference - Part 1	Tue, 26 Sep	14:45	Riverbank 4
E2.2	Student Conference - Part 2	Wed, 27 Sep	09:45	Riverbank 2
E2.3-GTS.4	Student Team Competition	Mon, 25 Sep	15:15	Riverbank 2
E2.4	Educational Pico and Nano Satellites	Fri, 29 Sep	09:00	Riverbank 2
E3	**30th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND ECONOMICS**			
E3.1	International Cooperation - a cornerstone of 50 years UN Space Law and space diplomacy	Tue, 26 Sep	09:45	City Room 4
E3.2	Private Endeavour in Space Exploration	Tue, 26 Sep	14:45	City Room 4

Nr.	Session name	Date	Time	Room
E3.3	The Demand Side of the Space Economic Equation: Understanding and Evaluating the Changing Market Dynamics in Space Activities	Wed, 27 Sep	09:45	City Room 4
E3.4	Assuring a Safe, Secure and Sustainable Space Environment for Space Activities	Wed, 27 Sep	14:45	City Room 4
E3.5-E7.6	32nd Joint IAA/IISL Round Table: Technological and legal challenges for on-orbit servicing.	Thu, 28 Sep	09:45	City Room 4
E3.6	Strategic Risk Management for successful space programmes	Fri, 29 Sep	09:00	City Room 4
E3.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
E4	**51st IAA HISTORY OF ASTRONAUTICS SYMPOSIUM**			
E4.1	Memoirs & organisational histories	Mon, 25 Sep	15:15	Meeting Room L2
E4.2	Scientific & technical histories	Thu, 28 Sep	14:45	Meeting Room L2
E4.3A	History of Australia's Contribution to Astronautics	Thu, 28 Sep	09:45	Meeting Room L2
E4.3B	"Can you believe they put a man on the Moon?"	Fri, 29 Sep	11:00	Meeting Room L2
E5	**28th IAA SYMPOSIUM ON SPACE AND SOCIETY**			
E5.1	Architecture for humans in space: design, engineering, concepts and mission planning	Tue, 26 Sep	14:45	City Room 1
E5.2	Models for Successfully Applying Space Technology Beyond Its Original Intent	Wed, 27 Sep	09:45	City Room 1
E5.3	Contemporary Arts Practice and Outer Space: A Multi-Disciplinary Approach	Wed, 27 Sep	14:45	City Room 1
E5.4	Space Assets and Disaster Management	Thu, 28 Sep	09:45	City Room 1
E5.5	Space Societies, Professional Associations and Museums	Thu, 28 Sep	14:45	City Room 1
E5.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
E6	**BUSINESS INNOVATION SYMPOSIUM**			
E6.1	New space individuals, projects, programs, or business units: innovation, entrepreneurship & investment at the microscopic level of analysis	Tue, 26 Sep	09:45	Riverbank 3
E6.2	New space industry segments, firms, actor groups, and multiple programs: innovation, entrepreneurship & investment at the mesoscopic level of analysis	Tue, 26 Sep	14:45	Riverbank 5
E6.3	New space at the national, international, and overall industry levels: innovation, entrepreneurship & investment at the macroscopic level of analysis	Wed, 27 Sep	14:45	Riverbank 5
E6.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
E7	**60th IISL COLLOQUIUM ON THE LAW OF OUTER SPACE**			
E7.1	9th Nandasiri Jasentuliyana Keynote Lecture on Space Law and Young Scholars Session	Tue, 26 Sep	09:45	Meeting Room L2
E7.2	'NewSpace', New Laws/ How governments can foster new space activities	Tue, 26 Sep	14:45	Meeting Room L2
E7.3	Refugees and the role of space communications/Status and Practice of Charter for Man-made Disasters	Wed, 27 Sep	09:45	Meeting Room L2
E7.4	Space law Developments in Asia-Pacific: Diverging national space legislation with regard to the applicability of space law to suborbital flights	Wed, 27 Sep	14:45	Riverbank 3
E7.5	Current Developments in Space Law	Fri, 29 Sep	09:00	Meeting Room L2
E7.6-E3.5	32nd Joint IAA/IISL Round Table: Technological and legal challenges for on-orbit servicing	Thu, 28 Sep	09:45	City Room 4
E7.7-B3.8	Joint IAF/IISL Session on Legal Framework for Collaborative Space Activities	Fri, 29 Sep	11:00	City Room 3
E7.IP	Interactive Presentations	Thu, 28 Sep	12:45	Hall J&K2
E8	**IAA MULTILINGUAL ASTRONAUTICAL TERMINOLOGY SYMPOSIUM**			
E8.1	Multilingual Astronautical Terminology	Fri, 29 Sep	11:00	City Room 1
GTS	**GLOBAL TECHNICAL SYMPOSIUM**			

Nr.	Session name	Date	Time	Room
GTS.2-B3.9	Human Space Flight Global Technical Session	Wed, 27 Sep	14:45	Riverbank 2
GTS.3-B2.8	Space Communications and Navigation Global Technical Session	Thu, 28 Sep	14:45	Riverbank 2
GTS.4-E2.3	Student Team Competition	Mon, 25 Sep	15:15	Riverbank 2
GTS.5-B4.9	Small Satellite Missions Global Technical Session	Tue, 26 Sep	14:45	Riverbank 2

8 Technical Papers by Symposium

Technical Programme as of 11 September 2017.

Please check the IAC 2017 Application on your Mobile Phone to get the latest updates on the Technical Programme and the website on the link: https://iafastro.directory/iac/browse/IAC-17/

A1. IAA/IAF SPACE LIFE SCIENCES SYMPOSIUM

Coordinator(s): *Oleg Orlov , SSC RF-Institute of Biomedical Problems RAS, Russian Federation; Peter Graef , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*

A1.1. Behaviour, Performance and Psychosocial Issues in Space

September 25 2017, 15:15 — City Room 2

Co-Chair(s): *Nick Kanas , University of California, San Francisco, United States; Peter Suedfeld , University of British Columbia, Canada;*

IAC-17.A1.1.1
Motivational profile of retired cosmonauts
Peter Suedfeld, University of British Columbia, Canada

IAC-17.A1.1.2
Being a father during the space career: Retired cosmonauts' involvement
Phyllis Johnson, University of British Columbia, Canada

IAC-17.A1.1.3
Humor as a coping strategy in spaceflight
Jelena Brcic, University of British Columbia, Canada

IAC-17.A1.1.4
Changes of Volunteers' Emotion and Decision Making, and Evaluation on Psychological Support Effect in 180-d Isolated and confined Experiment
Wu Bin, China Astronaut Research and Training Center, China

IAC-17.A1.1.5
Personal Values in a Long-Duration Isolated Analogue
Qianying Ma, Beihang University (BUAA), China

IAC-17.A1.1.7
Evolution of Crew Work Routines in Autonomous, Long-Duration Mars Simulation Missions
Christiane Heinicke, VU Amsterdam, ILEWG, The Netherlands

IAC-17.A1.1.8
Exercise can maintain brain function measured by fNIRS in ISS-simulating confined environment
Shin-ichiro SASAHARA, University of Tsukuba, Japan

IAC-17.A1.1.9
A Research toward the measurement of astronaut's mental workload in space flight
XUEJUN JIAO, National Key Laboratory of Human Factors Engineering, China Astronaut Research and Training Center, China

A1.2. Human Physiology in Space

September 26 2017, 09:45 — City Room 2

Co-Chair(s): *Dieter Blottner , Charité Universitätsmedizin Berlin, Germany; Elena Fomina , State Scientific Center of Russian Federation, Institute of Biomedical Problems, Russian Academy of Sciences, Russian Federation;*

IAC-17.A1.2.2
Two tests used for display interface design: dynamic visual acuity and chromatic contrast sensitivity
Hongqiang Yu, China Astronaut Research and Training Center, China

IAC-17.A1.2.3
Genomics and proteomics analysis of hippocampus reveals potential mechanisms underlying spatial memory deficiency induced by long-term simulated microgravity
Lina Qu, Astronaut Center of China, China

IAC-17.A1.2.4 (non-confirmed)
analysis of differenct zero-g simulation ergometer exercise protocols on aerobic capacity and orthostatic tolerance
Lin-Jie Wang, China Astronaut Research and Training Center, China

IAC-17.A1.2.5
Musculoskeletal outcomes from chronic high-speed high-impact resistance exercise
Prashant Parmar, St. Joseph's / National Jewish Hospital, United States

IAC-17.A1.2.6
The benefits of lower extremity loading in space due to the seated execution of ordinary calf raises and the leg press on human subjects
Thomas Angeli, Vienna University of Technology, Austria

IAC-17.A1.2.7
Lessons learned from countermeasures reducing the negative physiological effects of microgravity based on the seventh Russian super-long mission
Elena Fomina, FSC RF-IMBP, Russian Federation

IAC-17.A1.2.8
Muscle tone and stiffness in long-term bed rest with reactive jumps as countermeasure, and reconditioning: First results from ESA RSL Study at the DLR:envihab facility (2015-16)
Dieter Blottner, Charité Universitätsmedizin Berlin, Germany

IAC-17.A1.2.10
Mismatch between cardiac mechanical forces and kinetic energy during long term space flight measured by 3D – ballistocardiography
Elena Luchitskaya, Institute for Biomedical Problems, Russian Federation

IAC-17.A1.2.11
Heart Kinetic wearable monitoring vs c-MRI: cardiac deconditioning during the 60-days ESA-RSL head-down bed-rest study.
Pierre-François Migeotte, Université Libre de Bruxelles, Belgium

IAC-17.A1.2.12 (non-confirmed)
evaluation of endothelial function during simulation of interplanetary spaceflight with mars sol in 180d celss experiment
Ming Yuan, 1 Space Institute of Southern China(Shenzhen), 2 China Astronaut Research and Training Center, China

IAC-17.A1.2.13 (non-confirmed)
Fat and Bone during the ISS4Mars Mission: an integrated endocrine approach
Felice Strollo, , Italy

IAC-17.A1.2.14
INTRODUCING AN AEROSPACE MEDICINE SYSTEMATIC REVIEW GROUP
Rochelle Velho, The University of Warwick, United Kingdom

IAC-17.A1.2.15
The importance of tissue weight and tissue compressive forces in human spaceflight
Jay Buckey, Dartmouth Medical School , United States

IAC-17.A1.2.16 (non-confirmed)
Core body temperatures in astronauts on the international space station
Hanns-Christian Gunga, , Germany

A1.3. Medical Care for Humans in Space

September 26 2017, 14:45 — City Room 2

Co-Chair(s): *Satoshi Iwase , Aichi Medical University, Japan; Ulrich Kuebler , Airbus Defence and Space GmbH, Germany;*

IAC-17.A1.3.1 (non-confirmed)
Effect of artificial gravity with exercise on spaceflight deconditioning in humans, and project for assessment of artificial gravity in H-II Transfer Vehicle in International Space Station. Satoshi Iwase, Naoki Nishimura, Kunihiko Tanaka,
Satoshi Iwase, Aichi Medical University, Japan

IAC-17.A1.3.2
Space Analogue Medical Care and Research- The Australian Antarctic Experience.
Jeff Ayton, Australian Antarctic Division, Australia

IAC-17.A1.3.3
Metabolic Monitoring for Feedback Dietary and Exercise Prescriptions in ISS. A Proposal for the ISS4Mars Project
Gianni Biolo, University of Trieste, Italy

IAC-17.A1.3.4 (non-confirmed)
Remote echography and Doppler in isolated environment using a tele-operated ultrasound system and motorized probe transducer. Application to space exploration and isolated medical centre.
Didier Chaput, Centre National d'Etudes Spatiales (CNES), France

IAC-17.A1.3.6
Perspective use of the technologies for "big data" analysis in manned space flights on the International Space Station
Oleg Orlov, SSC RF-Institute of Biomedical Problems RAS, Russian Federation

IAC-17.A1.3.8
Endoscopically implantable devices into submucosa as the solution for low-gravity induced gastrointestinal problems
Marek Novák, Czech Technical University In Prague, Czech Republic

IAC-17.A1.3.9
Is Valid Consent possible for Astronauts and Space Tourists involved in medical research?
Nikki Coleman, UNSW Australia, Australia

IAC-17.A1.3.11
Prediction and Assessment of Coronary Artery Disease Risk in Astronauts
Dharini Iyer, , United States

IAC-17.A1.3.12
Operations Concept of Medical Care in LEO
Mari Kigoshi, Japan Manned Space Systems Corporation (JAMSS), Japan

IAC-17.A1.3.14
Australian Antarctic Medical Care- Generalist Scope of Practice, Training and Support- a space analogue.
Jeff Ayton, Australian Antarctic Division, Australia

A1.4. The International Space Station in LEO and the Deep Space Habitat in Cis- Lunar Space as platforms for simulated Mars voyages

September 27 2017, 09:45 — City Room 2

Co-Chair(s): *Cristian Bank , Rovsing A/S, Denmark; Livio Narici , University of Rome - Tor Vergata, Italy;*

IAC-17.A1.4.1
KEYNOTE: Exploration and the International Space Station
Sam Scimemi, National Aeronautics and Space Administration (NASA), United States

IAC-17.A1.4.2
Integrated Simulations of Mars flights on the ISS
Livio Narici, University of Rome - Tor Vergata, Italy

IAC-17.A1.4.3
Utilizing the International Space Station as a Simulation Platform for Deep Space Travel
Eleanor Morgan, , United States

IAC-17.A1.4.4
ISS4Mars: Employing ISS Modules for a Mars Mission Dry Run
Cesare Lobascio, Thales Alenia Space Italia, Italy

IAC-17.A1.4.5
Evolution of the International Space Station Life Support and Habitation Systems for Deep Space Exploration
Robyn Gatens, NASA, United States

IAC-17.A1.4.6
Paving the way to wide use of Mars equipment through integrated simulations on the ISS
Dario Martini, , Italy

IAC-17.A1.4.7 (non-confirmed)
Extremely long space missions: experience and perspectives of their testing in model experiments
Oleg Orlov, SSC RF-Institute of Biomedical Problems RAS, Russian Federation

IAC-17.A1.4.8 (non-confirmed)
The Small Step Before the Giant Leap: Cis-lunar Habitat as Post-ISS Deep Space Analog for Mars Expeditions
John Charles, NASA Human Research Program, United States

IAC-17.A1.4.9
The ASI Explotech Project: preparing for humans venturing in deep space
Gabriele Mascetti, Italian Space Agency (ASI), Italy

IAC-17.A1.4.10 (non-confirmed)
A NEW APPROACH TO SPACE RADIATION SUPERCONDUCTING SHIELDS
Roberto Battiston, ASI - Italian Space Agency, Italy

A1.5. Radiation Fields, Effects and Risks in Human Space Missions

September 27 2017, 14:45 — City Room 2

Co-Chair(s): *Lawrence Pinsky , University of Houston, United States; Premkumar Saganti , Prairie View A&M University, United States;*

IAC-17.A1.5.1
space radiation measurement for the biological research on sj-10 satellite
Binquan Zhang, National Space Science Center, Chinese Academy of Sciences, China

IAC-17.A1.5.2
Characterization of Bubble Detectors Used in Space Radiation Dosimetry: Charged Particle
Alexander Miller, UOIT, Canada

IAC-17.A1.5.3 (non-confirmed)
Main results on the neutron characteristics measured inside the Russian orbital space stations
Sergey Khulapko, IBMP and RSC-Energia, Russian Federation

IAC-17.A1.5.4
Feasibility of a novel TLD based personal microdosimeter for dosimetry and risk assessment of astronauts enduring long-term habitat in space stations
Bhaskar Mukherjee, University of Sydney, Australia

IAC-17.A1.5.5 (non-confirmed)
Status and Future Plans for Medipix-Based Radiation Monitoring Devices on ISS, Orion and Beyond...
Lawrence Pinsky, University of Houston, United States

IAC-17.A1.5.6
Deep-Space Radiation Environment Assessment with a Novel Spacecraft and a Newer Payload
Premkumar Saganti, Prairie View A&M University, United States

IAC-17.A1.5.7
The Matroshka-AstroRad Radiation Experiment (MARE) Aboard Orion EM-1
Razvan Gaza, Lockheed Martin Space Systems Company, United States

IAC-17.A1.5.8 (non-confirmed)
the research of central neural system of rats model localized -56fe26+ heavy ion radiation induced damage effects
Hao Wang, Beijing Institute of Technology, China

IAC-17.A1.5.9
serum microRNAs as noninvasive indicators for space radiation
Wenjun Wei, Institute of Modern Physics, Chinese Academy of Sciences, China

IAC-17.A1.5.10 (non-confirmed)
genomic instability induced by high energy charged particles
Rosalin Goss, National Aeronautics and Space Administration (NASA)/Johnson Space Center, United States

IAC-17.A1.5.11
Impact of Whole Body Irradiation on the Intestinal Microbiome-Considerations for Space Flight
Fathi Karouia, NASA ARC/UCSF, United States

IAC-17.A1.5.12
phits modeling of martian radiation environment
Michael Pfeifer, Kansas State University, United States

IAC-17.A1.5.13
Staying Below Radiation Exposure Limits: Maximum Levels of Solar Energetic Proton Event Fluence
Lawrence Townsend, University of Tennessee, United States

A1.6. Astrobiology and Exploration

September 28 2017, 09:45 — City Room 2

Co-Chair(s): *Co-Chair(s): Petra Rettberg , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*

IAC-17.A1.6.1
An Historic Choice of Number: the Planetary Protection Requirement for Exploring Ocean Worlds
Brent Sherwood, Caltech/JPL, United States

IAC-17.A1.6.2
Search for life on icy moons – what do we need to know for planetary protection?
Petra Rettberg, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.A1.6.3
Potential Scientific, Practical, and Cultural Implications of Discovering Life in Our Solar System
John D. Rummel, SETI Institute, United States

IAC-17.A1.6.4
Shallow transient liquid water environments on present-day Mars, and their implications for life.
Eriita Jones, University of South Australia, Australia

IAC-17.A1.6.5
The BOSS Experiment of the EXPOSE-R2 Mission: Biofilm versus planktonic cells
Corinna Panitz, RWTH Aachen University, Germany

IAC-17.A1.6.6
BOSS_Cyano experiment on the EXPOSE-R2 space mission: enhanced survival of Chroococcidiopsis biofilms to space and simulated Mars conditions compared to planktonic counterparts
Daniela Billi, University of Rome "Tor Vergata", Italy

IAC-17.A1.6.7
Effects of spaceflight and simulated microgravity on microbial growth and secondary metabolism
Bing Huang, Chinese PLA General Hospital, China

IAC-17.A1.6.8
Design of a Spaceflight Biofilm Experiment
Luis Zea, University of Colorado Boulder, United States

IAC-17.A1.6.9
Recent development of a bioinspired antimicrobial surface - a preventive technology for extended stays in confined space environments
Matthias Dünne, OHB System AG-Bremen, Germany

IAC-17.A1.6.10
Anti-microbial Polymer Development for Spacecraft Cabin Disease & System Contamination
Jason Armstrong, Boeing, Australia

IAC-17.A1.6.11 (non-confirmed)
Ensuring long term survival of life and ecosystems amidst a 6th mass species extinction on earth
Veerle Ronsse, , The Netherlands

A1.7. Life Support, habitats and EVA Systems

September 29 2017, 09:00 — City Room 2

Co-Chair(s): *Klaus Slenzka , OHB System AG-Bremen, Germany;*
Rapporteur(s): *Chiaki Mukai , Japan Aerospace Exploration Agency (JAXA), Japan;*

IAC-17.A1.7.1
constructing a fully functional planetary base on earth
Carolyn Newton, University of North Dakota, United States

IAC-17.A1.7.2
Biological Challenges of True Space Settlement
John C. Mankins, ARTEMIS Innovation Management Solutions, LLC, United States

IAC-17.A1.7.3
Full inclusion feasibility of human metabolites' products into BTLSS matter turnover
Yegor Morozov, Institute of Biophysics, Russian Academy of Sciences, Siberian Branch; Siberian State Aerospace University, Russian Federation

IAC-17.A1.7.5
The Atmospheric Regeneration and Regulation in 4-crew and 180-day Controlled Ecological Life Support System (CELSS) Integration Experiment
Xinhong Li, Space Institute of Southern China(Shenzhen), China

IAC-17.A1.7.6
Microalgae Cultivation in Space for Future Exploration Missions: Results of the Breadboard Activities for a Long Term Photobioreactor Spaceflight Experiment on the International Space Station ISS
Stefan Belz, University of Stuttgart, Germany

IAC-17.A1.7.7
Algal Research in Space
Tobias Niederwieser, University of Colorado Boulder, United States

IAC-17.A1.7.9
Effects of Microgravity and Solar Radiation on Growth of a Photosynthetic Microorganism
Morgan Taverner, University of Manitoba, Canada

IAC-17.A1.7.10
chlamydomonas reinhardtii in a closed system
Sandra Podhajsky, OHB System AG-Bremen, Germany

IAC-17.A1.7.11
uncaged-revealed: (natural) human torpor
S. M., Marvels-X, Australia

A1.8. Biology in Space

September 29 2017, 11:00 — City Room 2

Co-Chair(s): *Fengyuan Zhuang , Beihang University, China;*
Rapporteur(s): *Cora Thiel , University of Zurich, Switzerland;*

IAC-17.A1.8.1
LONG-TERM EVOLUTION STUDIES OF E. COLI MG1655 UNDER THE COMBINED STRESS OF LOW SHEAR MODELED MICROGRAVITY (LSMMG) AND THE BROAD SPECTRUM ANTIBIOTIC CHLORAMPHENICOL
Fathi Karouia, NASA ARC/UCSF, United States

IAC-17.A1.8.2 (non-confirmed)
genomic instability induced by high energy charged particles
Rosalin Goss, National Aeronautics and Space Administration (NASA)/Johnson Space Center, United States

IAC-17.A1.8.3
Microgravity and inflammation: the effects on human endothelial cells
Ludmila Buravkova, Institute of Biomedical Problems, Russian Academy of Sciences, Russian Federation

IAC-17.A1.8.4
The regulation of transcription efficiency in mice' different cell types under 37-day spaceflight at US ISS
Irina Ogneva, IBMP, Russian Federation

IAC-17.A1.8.6
The Effects of Long-Duration Spaceflight on Bone and Cartilage
Elizabeth Blaber, NASA Ames Research Center/USRA, United States

IAC-17.A1.8.9
Adaptation to microgravity in cells of the immune system
Cora S. Thiel, University of Zurich, Switzerland

IAC-17.A1.8.12 (non-confirmed)
Studies of plant gene expression and function stimulated by space microgravity
Jinying Lu, China Academy of Space Technology (CAST) Shenzhou Space Biotechnology Group, China

A2. MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM

Coordinator(s): *Nickolay N. Smirnov , Moscow Lomonosov State University, Russian Federation;*

Secretary(s): *Anastassiia Nikonova , Russian Academy of Sciences, Russian Federation;*

Vice-Coordinator(s): *Gabriel Pont , Centre National d'Etudes Spatiales (CNES), France;*

A2.1. Gravity and Fundamental Physics

September 25 2017, 15:15 — Hall B

Co-Chair(s): Antonio Viviani , Università degli Studi della Campania "Luigi Vanvitelli", Italy; Hanns Selig , ZARM - University of Bremen, Germany;
Rapporteur(s): *Qi Kang , National Microgravity Laboratory, Institute of Mechanics, Chinese Academy of Sciences., China;*

IAC-17.A2.1.1
Microscope : first satellite dedicated to measure the principle of equivalence in space
Valerio CIPOLLA, Centre National d'Etudes Spatiales (CNES), France

IAC-17.A2.1.2
BOOST: A Test of Special Relativity
Lisa Wörner, University of Bremen, Germany

IAC-17.A2.1.3
ATOMIC CLOCKS ENSEMBLE IN SPACE OPERATIONS. THE ISS EXTERNAL SCIENTIFIC PAYLOAD LOOKING FOR EXPERIMENTAL CONFIRMATIONS ON THE GENERAL RELATIVITY THEORY
Mauro Augelli, Centre National d'Etudes Spatiales (CNES), France

IAC-17.A2.1.4
Deployment Simulation for LISA Gravitational Wave Mission
An-Ming Wu, National Space Organization, Taiwan, China

IAC-17.A2.1.5
Microscope: A space-based test of the Weak Equivalence Principle
Stefanie Bremer, ZARM - University of Bremen, Germany

IAC-17.A2.1.6
High performance solar radiation pressure modeling for a test of the gravitational redshift using the Galileo navigation satellites
Felix Finke, ZARM, University of Bremen, Germany

IAC-17.A2.1.7
MICROSCOPE Mission: preliminary results
Phuong-Anh Huynh, Office National d'Etudes et de Recherches Aérospatiales (ONERA), France

IAC-17.A2.1.8
Challenges of relativistic geodesy
Claus Lämmerzahl, ZARM Fab GmbH, Germany

A2.2. Fluid and Materials Sciences

September 26 2017, 09:45 — Hall B

Co-Chair(s): *Nickolay N. Smirnov , Moscow Lomonosov State University, Russian Federation; Satoshi Matsumoto , Japan Aerospace Exploration Agency (JAXA), Japan;*
Rapporteur(s): *Thomas Driebe , DLR (German Aerospace Center), Germany;*

IAC-17.A2.2.2
Integrated Analysis of Hypersonic Aerothermodynamics and Thermal Response for Mars Entry Vehicles along the Trajectory
Xiaofeng Yang, China Aerodynamics Research and Development Center, China

IAC-17.A2.2.3
Laminar diffusion flame propagation over thermally destructing material
Nickolay N. Smirnov, Moscow Lomonosov State University, Russian Federation

IAC-17.A2.2.4
Oscillation Characteristics of Buoyant-Thermocapillary Convection in An Open Annular Pool
Li DUAN, National Microgravity Laboratory, Institute of Mechanics, Chinese Academy of Sciences., China

IAC-17.A2.2.6
Computer visualization of fluid displacement instability in porous medium
Valeriy Nikitin, Moscow Lomonosov State University, Russian Federation

IAC-17.A2.2.7
Materials Science Research Progress of the Chinese Manned Space Program
Yan Liu, Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences, China

IAC-17.A2.2.11
The effect of external magnetic field on dynamics of two-dimensional isotropic MHD
Mahzad Chitsaz, K. N. Toosi University of Technology, Iran

A2.3. Microgravity Experiments from Sub-Orbital to Orbital Platforms

September 27 2017, 09:45 — Hall B

Co-Chair(s): *Raffaele Savino , , Italy; Rainer Willnecker , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*
Rapporteur(s): *Peter Hofmann , OHB System AG - Munich, Germany;*

IAC-17.A2.3.2
The MAIUS Sounding Rocket Missions – Recent Results, Lessons Learned and Future Activities
Jens Grosse, University of Bremen - ZARM, Germany

IAC-17.A2.3.3
Results from the PerWaves microgravity experiment on-board MAXUS-9
Andrew Higgins, McGill University, Canada

IAC-17.A2.3.4
Flat Plate Pulsating Heat Pipe with self-rewetting fluid in parabolic flight conditions
Anselmo Cecere, Università degli Studi di Napoli "Federico II", Italy

IAC-17.A2.3.5
Microgravity tests in preparation of a Tethered Electromagnetic Docking space demonstration
Lorenzo Olivieri, CISAS – "G. Colombo" Center of Studies and Activities for Space, University of Padova, Italy

IAC-17.A2.3.6
Microgravity validation for xenon propellant distributions
Álvaro Tomás Soria-Salinas, Luleå University of Technology, Sweden

IAC-17.A2.3.7
PACMAN Experiment: on-ground test results as baseline for parabolic flight demonstration
Matteo Duzzi, CISAS – "G. Colombo" Center of Studies and Activities for Space, University of Padova, Italy

IAC-17.A2.3.8
Space experiment preparation: SELf-rewetting fluid for ENErgy management (SELENE)
Wassilis Tzevelecos, Université Libre de Bruxelles, Belgium

IAC-17.A2.3.9
DREAM Project as a first sub-orbital experiment to examine a drilling process in microgravity conditions.
Dorota Budzyn, Wroclaw University of Technology, Poland

IAC-17.A2.3.10
analysis of scaled robotic arm manipulators under microgravity conditions
Nicole Chaves, Instituto Tecnológico de Costa Rica, Costa Rica

IAC-17.A2.3.11
microgravity diffusion flames spreading over a thick solid fuel in low-velocity flows
Shuang-Feng Wang, NML, Institute of Mechanics, Chinese Academy of Sciences, China

IAC-17.A2.3.12
The Pattern Transformation of Thermocapillary Convection in An Open Annular Pool on SJ-10 Satellite
Qi Kang, National Microgravity Laboratory, Institute of Mechanics, Chinese Academy of Sciences., China

A2.4. Science Results from Ground Based Research

September 27 2017, 14:45 — Hall B

Co-Chair(s): *Antonio Viviani , Università degli Studi della Campania "Luigi Vanvitelli", Italy; Valentina Shevtsova , Université Libre de Bruxelles, Belgium;*
Rapporteur(s): *Nickolay N. Smirnov , Moscow Lomonosov State University, Russian Federation;*

IAC-17.A2.4.1
The quantum of energy transported during evaporation: Investigation of a fundamental constant
Aaron H. Persad, University of Toronto, Canada

IAC-17.A2.4.2
Near-critical density filling of the SF6 fluid cell for the ALI-R-DECLIC experiment in weightlessness
Carole Lecoutre, CNRS-ICMCB, France

IAC-17.A2.4.4
Ground Measurements of Molecular Diffusion in Multicomponent Liquid Systems in the Frame of the DCMIX Research Program
Quentin Galand, Université Libre de Bruxelles, Belgium

IAC-17.A2.4.5
Simulations of hydrodynamic processes for astrophysical objects in 3D statement on meshes of high resolution
Boris Rybakin, Scientific research Institute for System Studies Russian Academy of Sciences, Russian Federation

IAC-17.A2.4.6 (non-confirmed)
The effects of the space environment on seismic data collection: Regolith type, atmosphere and gravity
Michael Dello-Iacovo, University of New South Wales, Australia

IAC-17.A2.4.7
Research on Dynamic Scale of Floating Pedestal Manipulator System in Ground Microgravity Simulated Experimental Environment
Zhanxia Zhu, National Key Laboratory of Aerospace Flight Dynamics,Northwestern Polytechnical University,Xi'an, China

IAC-17.A2.4.8 (non-confirmed)
Experimental structure for Cosmic Radiation's interaction on spacecraft with spinning artificial gravity
Yair Israel Piña López, Universidad Nacional Autónoma de México, Mexico

A2.5. Facilities and Operations of Microgravity Experiments

September 28 2017, 14:45 — Hall B

Co-Chair(s): *Gabriel Pont , Centre National d'Etudes Spatiales (CNES), France; Rainer Willnecker , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*
Rapporteur(s): *Satoshi Matsumoto , Japan Aerospace Exploration Agency (JAXA), Japan;*

IAC-17.A2.5.1
The GraviTower Bremen - Prototype: A Novel Actively Driven Drop Tower System
Thorben Könemann, ZARM Fab GmbH, Germany

IAC-17.A2.5.2
development of a low cost sounding rocket propelled by a hybrid motor
Michal Pakosz, Institute of Aviation, Poland

IAC-17.A2.5.3
MAIUS-1 – An Overview on the Vehicle, Subsystem Design and Flight Results
Andreas Stamminger, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.A2.5.5
MiGrOp - Parabolic Flight with Light Aircraft - a Progress Report
Hanns Selig, GERADTS GMBH, Germany

IAC-17.A2.5.6
Parabolic Flights with Gliders as an Innovative Low Cost Platform for Microgravity and Hypergravity Research
Vladimir Pletser, Chinese Academy of Sciences, China

IAC-17.A2.5.7
Suborbital Payload Flights on Blue Origin's New Shepard Vehicle
Erika Wagner, Blue Origin LLC, United States

IAC-17.A2.5.8
FIRST MIDDLE EAST AIRCRAFT PARABOLIC FLIGHTS FOR ISU PARTICIPANT EXPERIMENTS
Vladimir Pletser, Chinese Academy of Sciences, China

IAC-17.A2.5.9
A novel navigation scheme of simulating non-cooperative target's long-duration, six-DOFs measurements in magnetism–buoyancy hybrid microgravity environments
Jichao Liu, National Key Laboratory of Aerospace Flight Dynamics, Northwestern Polytechnical University, Xi'an, China

IAC-17.A2.5.10
Emerging Microgravity Platforms and their Capabilities Compared to the Traditional Offering
Guerric de Crombrugghe, Independent consultant, Belgium

A2.6. Microgravity Sciences Onboard the International Space Station and Beyond – Part 1

September 29 2017, 09:00 — Meeting Room L1 (a&b)

Co-Chair(s): *Bernard Zappoli , Centre National d'Etudes Spatiales (CNES), France; Peter Hofmann , OHB System AG - Munich, Germany;*
Rapporteur(s): *Angelika Diefenbach , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*

IAC-17.A2.6.1
DECLIC : a new and promising life aboard the ISS
Remi Canton, Centre National d'Etudes Spatiales (CNES), France

IAC-17.A2.6.2
Fluidics : Fluid Dynamic in space experiment
Jean MIGNOT, Centre National d'Etudes Spatiales (CNES), France

IAC-17.A2.6.3
ANITA2 Flight Model Development – A status report of the multicomponent ISS Air Analyser
Peter Hofmann, OHB System AG - Munich, Germany

IAC-17.A2.6.4
Access to Space: a new approach by the United Nations Office for Outer Space Affairs
Ayami Kojima, United Nations Office for Outer Space Affairs, Austria

IAC-17.A2.6.5 (non-confirmed)
The Design of Standard Controller for Microgravity Science Experiments: General Requirement and Solution
Teng Xie, Chinese Academy of Sciences, China

IAC-17.A2.6.8
OHB Microgravity Payloads: An insight into Plasma Kristall-4
Armin Stettner, OHB System AG, Germany

A2.7. Microgravity Sciences Onboard the ISS and Beyond

September 29 2017, 11:00 — Meeting Room L1 (a&b)

Co-Chair(s): *Angelika Diefenbach , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany; Cora S. Thiel , University of Zurich, Switzerland; Peter Graef , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany; Satoshi Matsumoto , Japan Aerospace Exploration Agency (JAXA), Japan;*

IAC-17.A2.7.3
osteoprotective effects of osthole in hindlimb suspension rat model
Jinpeng He, Institute of Modern Physics, Chinese Academy of Sciences, China

IAC-17.A2.7.4
circulating miRNAs as potential biomarkers for skeletal muscle atrophy
Xiaoping Chen, China Astronaut Research and Training Center, China

IAC-17.A2.7.5
The intestinal microbiota contributes to colonic epithelial changes in simulated microgravity mouse model
Qing Ge, Peking University Health Science Center, China

IAC-17.A2.7.7
shaken not stirred: comparative studies using 2D-clinostat and random positioning machine
Sonja Brungs, German Aerospace Center (DLR), Germany

IAC-17.A2.7.9
Current Trends in High Throughput Methods for In-Situ Space Research
Fathi Karouia, NASA ARC/UCSF, United States

A3. SPACE EXPLORATION SYMPOSIUM

Coordinator(s): *Bernard Foing , ESA/ESTEC, ILEWG & VU Amsterdam, The Netherlands; Christian Sallaberger , Canadensys Aerospace Corporation, Canada;*

A3.1. Space Exploration Overview

September 25 2017, 15:15 — Hall N

Co-Chair(s): *Christian Sallaberger , Canadensys Aerospace Corporation, Canada; Kathy Laurini , National Aeronautics and Space Administration (NASA), United States;*
Rapporteur(s): *Keyur Patel , National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States; Norbert Frischauf, Austria;*

IAC-17.A3.1.1
Scientific Opportunities Enabled by Human Exploration Beyond Low-Earth Orbit
Ben Bussey, NASA HQ, United States

IAC-17.A3.1.2 (non-confirmed)
Status, outlook and opportunities in the "Moon Village" concept development
Piero Messina, European Space Agency (ESA), France

IAC-17.A3.1.4
thoughts on international development strategy of space exploration of China
Wenyi CAI, China Academy of Launch Vehicle Technology(CALT), China

IAC-17.A3.1.6 (non-confirmed)
Feasiblity Analysis and Development Proposal on Asteroid Mining
Heng Zhang, Shanghai Insitute of Satellite Engineering, China

IAC-17.A3.1.7
Planetary cubesats: mission architectures
Pierre W. Bousquet, Centre National d'Etudes Spatiales (CNES), France

IAC-17.A3.1.8
Saberwing: A Technology Demonstration for Interplanetary Small Spacecraft
Jeremiah Pate, , United States

IAC-17.A3.1.9
Barriers to solar system exploration in the CubeSat age
Noor Huq, University of New South Wales, Australia

IAC-17.A3.1.10
Deep Space Exploration and Australia's role through the Canberra Deep Space Communication Complex
Ed Kruzins, Commonwealth Scientific and Industrial Research Centre, Australia

IAC-17.A3.1.11 (non-confirmed)
"Towards Venus together". The issues of possibility elaboration of international project implementation on Venus planet research
Sergei Antonovich Lemeshevsky, Lavochkin Science and Production Association, Russian Federation

A3.2A. Moon Exploration – Part 1

September 26 2017, 09:45 — Hall N

Co-Chair(s): *Bernard Foing , ESA/ESTEC, ILEWG & VU Amsterdam, The Netherlands; David Korsmeyer , National Aeronautics and Space Administration (NASA), United States;*
Rapporteur(s): *Nadeem Ghafoor , Canadensys Aerospace Corporation, Canada; Sylvie Espinasse , European Space Agency (ESA), The Netherlands;*

IAC-17.A3.2A.2
Sunrise-driven dust storms on the Moon explain 50-year-old & 2014 lunar mysteries: Ground-truth measurements by Apollo 12 Dust Detector Experiment
Brian O'Brien, The University of Western Australia, Australia

IAC-17.A3.2A.5
UPDATE ON THE GOOGLE LUNAR XPRIZE IN 2017
Nathan Wong, XPRIZE Foundation, United States

IAC-17.A3.2A.6
Final configuration of the ispace Hakuto rover for a Google Lunar XPRIZE mission in 2017.
John Walker, ispace Technologies, Inc., Japan

IAC-17.A3.2A.7
Exospheric and surface lunar science enabled by CubeSats and SmallSats
Rosemary Killen, NASA, United States

IAC-17.A3.2A.8
Wide-Angle Polarimetric Camera for Korea Pathfinder Lunar Orbiter
Young-Jun Choi, Korea Astronomy and Space Science Institute/ University of Science and Technology, Korea, Republic of

IAC-17.A3.2A.9 (non-confirmed)
Small Missions and the New Lunar Gold Rush
Nadeem Ghafoor, Canadensys Aerospace Corporation, Canada

IAC-17.A3.2A.10
CubeSat Semi-hard Moon Impactor: OMOTENASHI
Tatsuaki Hashimoto, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.A3.2A.11
Ultra-long wave radio interferometer mission based on formation flying around lunar
Xibin Cao, , China

A3.2B. Moon Exploration – Part 2

September 26 2017, 14:45 — Hall N

Co-Chair(s): *Bernard Foing , ESA/ESTEC, ILEWG & VU Amsterdam, The Netherlands; David Korsmeyer , National Aeronautics and Space Administration (NASA), United States;*
Rapporteur(s): *Nadeem Ghafoor , Canadensys Aerospace Corporation, Canada; Sylvie Espinasse , European Space Agency (ESA), The Netherlands;*

IAC-17.A3.2B.2
ispace's 2017 Lunar Mission and Future ISRU Roadmap
Kyle Acierno, , Japan

IAC-17.A3.2B.3
On the Development of Lunar Rover Mobility Simulations for the Resource Prospector Mission
Matthew Sorgenfrei, NASA Ames Research Center / SGT Inc., United States

IAC-17.A3.2B.4
Japanese Lunar Polar Exploration Mission - SELENE-R -
Takeshi Hoshino, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.A3.2B.5
Micro-Probe for Marius Hills Pit Reconnaissence
Graham Dorrington, RMIT University, Australia, Australia

IAC-17.A3.2B.6
LEIA: The Landing LIDAR for ESA-Roscosmos' LunaResurs Mission
Miranda Bradshaw, Neptec UK, United Kingdom

IAC-17.A3.2B.7
PROSPECT: Lunar volatiles prospecting on board of Luna-27
Matteo Savoia, Leonardo S.p.A., Italy

IAC-17.A3.2B.8
Cryogenic microscopic assessment of lunar and planetary icy regolith analogues
Michaela Musilova, Slovak Organisation for Space Activities (SOSA), Slovak Republic

IAC-17.A3.2B.9
OHB INSTRUMENTS DEVELOPMENT FOR VOLATILE SCOUTING ON THE MOON
Lutz Richter, OHB System AG, Germany

IAC-17.A3.2B.10
LUVMI: an innovative payload for the sampling of volatiles at the Lunar poles
Diego A. Urbina, Space Applications Services N.V./S.A, Belgium

IAC-17.A3.2B.11
Capabilities of Russian lunar robotic missions to support future manned spaceflights to the Moon
George Karabadzhak, Central Research Institute for Machine Building (FGUP TSNIIMASH), Russian Federation

IAC-17.A3.2B.12
O'Moon: Analysis of launchers, orbits and landing locations for a lunar modular power infrastructure
Alexander Brückmann, , Germany

IAC-17.A3.2B.13
The Lunar Space Tug in the Future Space Exploration Scenario
Martina Mammarella, Politecnico di Torino, Italy

A3.2C. Moon Exploration – Part 3

September 29 2017, 09:00 — Hall N

Co-Chair(s): *Bernard Foing , ESA/ESTEC, ILEWG & VU Amsterdam, The Netherlands; David Korsmeyer , National Aeronautics and Space Administration (NASA), United States;*
Rapporteur(s): *Nadeem Ghafoor , Canadensys Aerospace Corporation, Canada; Sylvie Espinasse , European Space Agency (ESA), The Netherlands;*

IAC-17.A3.2C.1
Vision based navigation for autonomous planetary landing
Luca Losi, Politecnico di Milano, Italy

IAC-17.A3.2C.2
Robotic prototypes for the solar sintering of regolith on the Lunar surface developed within the RegoLight project
Diego A. Urbina, Space Applications Services N.V./S.A, Belgium

IAC-17.A3.2C.3
First Results of the ROBEX analog mission campaign: A modular system architecture to perform seismic experiments on a volcano as terrestrial validation of a lunar mission scenario
Caroline Lange, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.A3.2C.6
CONCEPT OF LUNAR PRODUCTION AND RESEARCH BASE CREATION
Olexandr Kashanov, Yuzhnoye State Design Office, Ukraine

IAC-17.A3.2C.7
M.A.R.S. Mission: First results from Robotics to Human Factors in Poland 2017
Agata Kolodziejczyk, Astronomia Nova Society, forScience Foundation, Poland

IAC-17.A3.2C.8
Human Lunar Exploration at EAC – the LUNA analogue facility and Spaceship EAC project
Aidan Cowley, ESA, Germany

IAC-17.A3.2C.9
ISU Moon Village Workshop - Habitat Design
Jason Kokotailo, , Canada

IAC-17.A3.2C.10
A Virtual reality approach for studying a future human lunar outpost: an integrated simulation case study of a Stand Alone Power System
Andrea Emanuele Maria Casini, Politecnico di Torino, Italy

IAC-17.A3.2C.11
Lunar resource utilisation to support a human-tended cislunar station
William Gullotta, University of Leicester, United States

IAC-17.A3.2C.12
In-orbit autonomous assembly of large structures and habitats for planetary exploration using planning and scheduling techniques
Jorge Ocon, GMV Aerospace & Defence SAU, Spain, Spain

A3.3A. Mars Exploration – missions current and future

September 27 2017, 09:45 — Hall N

Co-Chair(s): *Pierre W. Bousquet , Centre National d'Etudes Spatiales (CNES), France; Vincenzo Giorgio , Thales Alenia Space Italia, Italy;*
Rapporteur(s): *Amalia Ercoli Finzi , Politecnico di Milano, Italy; Cheryl Reed , The Johns Hopkins University Applied Physics Laboratory, United States;*

IAC-17.A3.3A.1
Update and overview of NASA's InSight Mars Mission (2018 launch)
InSight: [Interior Exploration using Seismic Investigations, Geodesy and Heat Transport]
Ramon P. De Paula, National Aeronautics and Space Administration (NASA), United States

IAC-17.A3.3A.2
Emirates Mars Mission (EMM) 2020 Overview
Omran Sharaf, Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates

IAC-17.A3.3A.3
EXOMARS 2016 SCHIAPARELLI MISSION LESSON LEARNT LOOKING FORWARD TO THE EXOMARS 2020 DM MISSION
Paolo Martella, Thales Alenia Space Italia, Italy

IAC-17.A3.3A.4
EXOMARS 2016: SCHIAPARELLI COASTING, ENTRY AND DESCENT POST FLIGHT MISSION ANALYSIS
Davide Bonetti, Deimos Space SLU, Spain

IAC-17.A3.3A.5
Mission Concept of Martian Moons eXploration (MMX)
Yasuhiro Kawakatsu, Japan Aerospace Exploration Agency (JAXA)/ ISAS, Japan

IAC-17.A3.3A.7
The Mars Reconnaissance Orbiter Mission: Continuing a Record of Exploration from Mars Orbit
Martin Johnston, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.A3.3A.8
the exomars 2016 mission flight performances until achievement of the 1-sol orbit.
Carlo Cassi, Thales Alenia Space Italia, Italy

IAC-17.A3.3A.10
Design and Control of a Y-4 Tilt-Rotor VTOL Aerobot for Flight on Mars
Craig Underwood, Surrey Space Centre, University of Surrey, United Kingdom

IAC-17.A3.3A.11
Aerodynamic Analysis of an Airplane Gliding on Mars
Abdulla Alshehhi, UAE Space Agency, United Arab Emirates

A3.3B. Mars Exploration – Science, Instruments and Technologies

September 27 2017, 14:45 — Hall N

Co-Chair(s): *September 27 2017, 14:45 — Hall N*
Rapporteur(s): *Amalia Ercoli Finzi , Politecnico di Milano, Italy; Cheryl Reed , The Johns Hopkins University Applied Physics Laboratory, United States;*

IAC-17.A3.3B.1
EXOMARS 2020 MISSION: PROGRESS REPORT ON SAMPLE PREPARATION AND DISTRIBUTION SYSTEM (SPDS) DEVELOPMENT
Lutz Richter, OHB System AG, Germany

IAC-17.A3.3B.2
AMELIA: the ExoMars Entry, Descent and Landing Science.
Francesca Ferri, Università degli Studi di Padova, Italy

IAC-17.A3.3B.3
SEIS seismometer developments following the INSIGHT mission launch report
Gabriel Pont, Centre National d'Etudes Spatiales (CNES), France

IAC-17.A3.3B.4
Emirates Mars Mission (EMM) Instruments Design, Operations, and Data
Suhail AlDhafri, Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates

IAC-17.A3.3B.5 (non-confirmed)
Overview of the ChemCam Instrument Onboard the Mars Science Laboratory Curiosity Rover
Ryan Jackson, University of New Mexico, United States

IAC-17.A3.3B.6
DEVELOPMENT OF A VERY DEMANDING SPECTROMETER FOR EXOMARS MISSION
Juan F. Cabrero Gomez, ISDEFE/ESA, Spain

IAC-17.A3.3B.7
Spacecraft Contamination Control Challenges for Space Missions with Organic Compound Detection capabilities and for potential Sample Return
Carlos Soares, NASA Jet Propulsion Laboratory, United States

IAC-17.A3.3B.8
Design, development and qualification of a gas based dust removal tool for mars exploration missions
Elizabeth Jens, Jet Propulsion Laboratory - California Institute of Technology, United States

IAC-17.A3.3B.9
The Median Mars Mission Using Impactors – Searching for Life on Mars
Robert Brand, Private, Australia

IAC-17.A3.3B.10
Deployable aero-decelerator heatshield configurations to enable high-mass payloads at Mars
Lisa Peacocke, Imperial College London, United Kingdom

IAC-17.A3.3B.11
Task Oriented Onboard Planning Approach for Mars Rovers
Hao Jin, Beijing Institute of Technology, China

IAC-17.A3.3B.12
Canada's Space Exploration Rovers: GN&C Field Trial Results
Joseph Nsasi Bakambu, MDA Space Missions, Canada

IAC-17.A3.3B.13
optic flow-based navigation system for planetary rovers
Naoto Kobayashi, Kyushu University, Japan

IAC-17.A3.3B.14
Motigravity: a new VR system to increase the performance and safety in Mars mission
Antonio Del Mastro, Italian Mars Society, Italy

A3.4A. Small Bodies Missions and Technologies (Part 1)

September 28 2017, 09:45 — Hall N

Co-Chair(s): *Stephan Ulamec , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany; Susan McKenna-Lawlor , Space Technology (Ireland) Ltd., Ireland;*
Rapporteur(s): *Marc D. Rayman , Jet Propulsion Laboratory - California Institute of Technology, United States; Norbert Frischauf, Austria;*

IAC-17.A3.4A.1 (non-confirmed)
KEYNOTE: Technology Needs for Exploiting Asteroid Resources
Roger X. Lenard, LPS, United States

IAC-17.A3.4A.2
Dawn at Ceres: The First Exploration of the First Dwarf Planet
Marc D. Rayman, Jet Propulsion Laboratory - California Institute of Technology, United States

IAC-17.A3.4A.3
The Operations Legacy of the Rosetta Mission
Paolo Ferri, European Space Agency (ESA), Germany

IAC-17.A3.4A.5
Tiny, but interesting: Analyzing dust particles on and off small bodies
Martin Hilchenbach, Max-Planck-Institut für Solar System Research, Germany

IAC-17.A3.4A.6 (non-confirmed)
Lessons learned from SD2 operations on comet 67/P
Amalia Ercoli Finzi, Politecnico di Milano, Italy

IAC-17.A3.4A.7
Hayabusa2-Ryugu Proximity Operation Planning and Landing Site Selection
Tomohiro Yamaguchi, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.A3.4A.8
mascot – preparations for its landing in 2018: a status update from ground and space one year ahead of the landing on ryugu
Christian Ziach, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.A3.4A.9
French Contributions to HAYABUSA2-MASCOT: Philae mission inheritance?
Aurélie Moussi, Centre National d'Etudes Spatiales (CNES), France

A3.4B. Small Bodies Missions and Technologies (Part 2)

September 29 2017, 11:00 — Hall N

IAC-17.A3.4B.2
Asteroid Impact and Deflection Assessment (AIDA) - The Double Asteroid Redirection Test (DART) Mission
Cheryl Reed, The Johns Hopkins University Applied Physics Laboratory, United States

IAC-17.A3.4B.3
MASCOT2 – a small body lander to investigate the interior of 65803 Didymos' Moon in the frame of AIDA/AIM
Caroline Lange, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.A3.4B.4
Trajectory analysis for Cubesat landing on Didymoon in context of AIM mission
Mugurel Balan, Institute of Space Science, Romania

IAC-17.A3.4B.5
Development and testing of a pyro-driven Launcher for harpoon-based comet sample acquisition
Stefan Völk, DLR (German Aerospace Center), Germany

IAC-17.A3.4B.6
The D-MEN sampling device – Extracting and collecting asteroid material for sample return
Martin Schimmerohn, Fraunhofer EMI, Germany

IAC-17.A3.4B.7
DESTINY+: Technology Demonstration and Exploration of Asteroid 3200 Phaethon
Kazutaka Nishiyama, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.A3.4B.8
Detection of Two Near-Earth Asteroids with a Southern Hemisphere Planetary Radar System
Craig Benson, University of New South Wales ADFA, Australia

IAC-17.A3.4B.9
ilias: a tour to trojan asteroids
Michèle Lavagna, Politecnico di Milano, Italy

IAC-17.A3.4B.10
SCORPION: A Low-Cost Multi-Phase and Multi-Objective Asteroid Mission
Francisco da Silva Pais Cabral, G.M.V. Space and Defence, S.A., Spain

A3.5. Solar System Exploration

September 28 2017, 14:45 — Hall N

Co-Chair(s): *Junichiro Kawaguchi , Japan Aerospace Exploration Agency (JAXA), Japan; Mariella Graziano , GMV Aerospace & Defence SAU, Spain;*
Rapporteur(s): *Alain Ouellet , Canadian Space Agency, Canada; Charles E. Cockrell Jr. , National Aeronautics and Space Administration (NASA), United States;*

IAC-17.A3.5.1
Solar polar observation mission and its orbit design
Takehiro Koyanagi, The University of TOKYO, Graduate school, Japan

IAC-17.A3.5.2
Analysis of balloon and sail system trajectories within extra-terrestrial atmospheres
Christopher Yoder, North Carolina State University, United States

IAC-17.A3.5.3
SIMBIO-SYS for Bepi Colombo: Key Enabling Technologies for Mercury exploration
Iacopo Ficai Veltroni, Leonardo Spa, Italy

IAC-17.A3.5.4
the mercury orbiter radio science experiment (more) on-board the esa/jaxa bepicolombo mission to mercury.
Giulia Schettino, IFAC-CNR, Italy

IAC-17.A3.5.5
Venus Long-Life Surface Package (VL2SP)
Christer Fuglesang, KTH, Sweden

IAC-17.A3.5.6
EDEM - Europa Direct Encounter Mission. Possible scenario of an ultra-strong momentum exchange tether application for a future landing mission to Europa
Vadym Pasko, Yuzhnoye State Design Office, Ukraine

IAC-17.A3.5.8
Europa and Enceladus Plume Sampling Using Rotating Tether System
Graham Dorrington, RMIT University, Australia, Australia

IAC-17.A3.5.9
Simulation of precise and safe landing near a plume source in a tiger stripe canyon on the south pole of Enceladus
Konstantinos Konstantinidis, Universität der Bundeswehr München, Germany

A4. 46th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) – The Next Steps

Coordinator(s): *Claudio Maccone , International Academy of Astronautics (IAA) and Istituto Nazionale di Astrofisica (INAF), Italy;*

A4.1. SETI 1: SETI Science and Technology

September 26 2017, 14:45 — Hall B

Co-Chair(s):): *Ian Morrison , Swinburne University of Technology, Australia; Michael Albert Garrett , University of Manchester, United Kingdom;*
Rapporteur(s): *Andrew Siemion , University of California / ASTRON / Radboud University, United States;*

IAC-17.A4.1.1
All-sky radio SETI
Mike Garrett, University of Manchester, United Kingdom

IAC-17.A4.1.2
The Breakthrough Listen Search for Extraterrestrial Technologies
Andrew Siemion, University of California / ASTRON / Radboud University, United States

IAC-17.A4.1.3
the breakthrough listen targeted search : GBT/l-band
J. Emilio Enriquez, UC Berkeley / Radboud University Nijmegen, United States

IAC-17.A4.1.4
Breakthrough Listen: SETI observations of nearby stars and the galactic plane with the Parkes telescope
Daniel Price, U.C. Berkeley, United States

IAC-17.A4.1.6
Main results of the SETI-observations with the RATAN-600 radio telescope in 2015 and 2016 sessions.
Alexander Panov, Skobeltsyn Institute of Nuclear Physics, Russian Federation

IAC-17.A4.1.7
SETI through future developments of the Parkes Radio Telescope
James Green, CSIRO, Australia

IAC-17.A4.1.8
SETI activities in Sardinia: status and ongoing development
Andrea Melis, INAF - Istituto Nazionale di AstroFisica, Italy

IAC-17.A4.1.9
development of new observational and signal-processing methodologies for SETI
Abhijit Nath, University of Cape Town, South Africa

IAC-17.A4.1.10
Exploring optical SETI's middle ground
Richard Stanton, Jet Propulsion Laboratory, United States

A4.2. SETI 2: SETI and Society

September 28 2017, 09:45 — Hall B

Co-Chair(s): *Carol Oliver , University of New South Wales, Australia; Morris Jones , Independent Space Analyst, Australia; Paul Davies , Arizona State University, United States;*

IAC-17.A4.2.1
Dealing with Fringe SETI and Media Sensationalism
Morris Jones, , Australia

IAC-17.A4.2.2
Dr Bobbie Vaile: A short life dedicated to SETI research and education
Carol Oliver, University of New South Wales, Australia

IAC-17.A4.2.3
"La vida en el universo": the Oxford Templeton Visiting Fellowship to Peru about SETI and Bioastronomy.
Paolo Musso, University of Insubria (Italy) and Universidad Católica Sedes Sapientiae (Peru), Italy

IAC-17.A4.2.4
Moral considerations with respect to the exploitation of outer space natural resources in the light of possible extraterrestrial intelligence
Maria Manoli, Institute of Air and Space Law, McGill University, Canada

IAC-17.A4.2.5
Practical Von Neumann Machines and the Fermi Paradox
Morris Jones, , Australia

IAC-17.A4.2.6
Energy of Extra-Terrestrial Civilizations according to Evo-SETI Theory
Claudio Maccone, International Academy of Astronautics (IAA) and Istituto Nazionale di Astrofisica (INAF), Italy

IAC-17.A4.2.7
THE SEARCH FOR EXTRA-TERRESTRIAL INTELLIGENCE AT TRAPPIST-1 e: POSSIBILITIES FOR LIFE
Devarrishi Dixit, University of Petroleum and Energy Studies, India

IAC-17.A4.2.8
Relativistic KLT for space communications
Nicolò Antonietti, Politecnico di Torino, Italy

A5. 20th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM

Coordinator(s): *Christian Sallaberger , Canadensys Aerospace Corporation, Canada; Maria Antonietta Perino , Thales Alenia Space Italia, Italy;*

A5.1. Human Exploration of the Moon and Cislunar Space

September 27 2017, 14:45 — Hall E2

Co-Chair(s): *Michael Raftery , Boeing Defense Space & Security, United States; Nadeem Ghafoor , Canadensys Aerospace Corporation, Canada;*
Rapporteur(s): *Marc Haese , DLR, German Aerospace Center, Germany;*

IAC-17.A5.1.1
The Global Exploration Roadmap: Collaboration Promoting the Future for Human Space Exploration
Kathy Laurini, National Aeronautics and Space Administration (NASA), United States

IAC-17.A5.1.2
The Cislunar Spaceport: an effective approach for the crew delivery to the lunar surface
Yury Makushenko, S.P. Korolev Rocket and Space Corporation Energia, Russian Federation

IAC-17.A5.1.4
A Flexible Cislunar Architecture Enabling Lunar Surface Exploration and Mars Extensibility
Matthew Duggan, The Boeing Company, United States

IAC-17.A5.1.5
International, Scientific, and Commercial Opportunities Enabled by a Cislunar Space Portal
Kathleen Coderre, Lockheed Martin Corporation, United States

IAC-17.A5.1.6 (non-confirmed)
Space transport system for International Moon base creation
Oleksandr Berdnyk, Yuzhnoye State Design Office, Ukraine

IAC-17.A5.1.7
Enhancement of the ESA mobile Procedure Viewer (mobiPV) beyond Low Earth Orbit
Mikael Wolff, ESA european space agency, The Netherlands

IAC-17.A5.1.8
Considerations for Fostering International Collaboration in Exploring Cislunar Space
Kavya Manyapu, Space Generation Advisory Council (SGAC), United States

IAC-17.A5.1.9
A Hybrid Life Support System for a Moon Base
Gisela Detrell, Institute of Space Systems, University of Stuttgart, Germany

IAC-17.A5.1.11
detection and characterization of lava tubes using surface gravity measurements in support of future lunar and martian missions.
Chris Brown, Carleton University, Canada

IAC-17.A5.1.12
A novel architecture to enable Moon utilisation for science and exploration
Calum Hervieu, Politecnico di Torino, United Kingdom

A5.2. Human Exploration of Mars

September 26 2017, 14:45 — Hall E2

Co-Chair(s): *Kathy Laurini , National Aeronautics and Space Administration (NASA), United States; Maria Antonietta Perino , Thales Alenia Space Italia, Italy*
Rapporteur(s): *Norbert Frischauf, Austria;*

IAC-17.A5.2.1
Human Mars Mission Design: The Ultimate Systems Challenge
John Connolly, National Aeronautics and Space Administration (NASA)/Johnson Space Center, United States

IAC-17.A5.2.2
Conceptual design of a manned platform in the Martian system
Marius Schwinning, Institute of Space Systems, University of Stuttgart, Germany

IAC-17.A5.2.3
Cargo Logistics for a Notional Mars Base Using Solar Electric Propulsion
Ryan Woolley, Jet Propulsion Laboratory - California Institute of Technology, United States

IAC-17.A5.2.4
Human Exploration of the Moon, Near-Earth Asteroids, and Mars using Staging from Earth-Moon L-2 Orbits and Phasing Orbit Rendezvous
David Dunham, Kinetx, Inc., United States

IAC-17.A5.2.5
INTERPLANETARY MISSIONS PERFORMED OUTSIDE THE OPTIMAL LAUNCH WINDOWS
Giancarlo Genta, Politecnico di Torino, Italy

IAC-17.A5.2.6
Strategies for Mars transit from cislunar space
Stefano Torresan, Politecnico di Torino, Italy

IAC-17.A5.2.7
Mars Base Camp Updates and New Concepts
Timothy Cichan, Lockheed Martin Corporation, United States

IAC-17.A5.2.8
Tradespace Exploration of Multi-Mission Crewed Mars Surface System Architectures
Sydney Do, NASA Jet Propulsion Laboratory, United States

IAC-17.A5.2.9
Preliminary Results of the Poland Mars Analogue Simulation
Samuel Hargrove, Space Generation Advisory Council (SGAC), United States

IAC-17.A5.2.10
A Concept Study of a Martian Ice Miner for In Situ Resource Utilisation in Support of a Mars Colony
Thierry de Roche, University of Bern, Switzerland

IAC-17.A5.2.11
Design of a 50-Person Base For Pioneering Human Activities Leading to Permanence on Mars
Sarag Saikia, Purdue University, United States

A5.3-B3.6- Human and Robotic Partnerships in Exploration - Joint session of the Human Spaceflight and Exploration Symposia

September 28 2017, 14:45 — City Room 3

Co-Chair(s): *Christian Sallaberger , Canadensys Aerospace Corporation, Canada; Mark Hempsell , Hempsell Astronautics Limited, United Kingdom;*

IAC-17.A5.3-B3.3.1
Project Moonwalk: lessons learnt from testing human robot collaboration scenarios in a lunar and Martian simulation
Anna Barbara Imhof, Liquifer Systems Group (LSG), Austria

IAC-17.A5.3-B3.3.2
DEEP SPACE EXPLORATION ROBOTICS FOR IMPROVED CAPABILITY, UTILIZATION, AND FLEXIBILITY ON A CISLUNAR HABITAT
Richard Rembala, MDA, Canada

IAC-17.A5.3-B3.3.3
pioneering steps towards future human-robotic operations performance
Shahrzad Hosseini, European Space Agency (ESA), The Netherlands

IAC-17.A5.3-B3.3.4
RESEARCH ON OBJECT DETECTION INSPIRED BY VISUAL PERCEPTUAL BASED ON EVA
ZHANG Juli, Xi'an Microelectronics Technology Institute, CASC, China

IAC-17.A5.3-B3.3.5
ROBOTIZED COSMONAUTICS
Aleksei Bogdanov, OJSC "SPA "Orbital systems", Russian Federation

IAC-17.A5.3-B3.3.6
Human Spaceflight Robotic Medical First Responder
Rahul Gomes, North Dakota State University, United States

IAC-17.A5.3-B3.3.7
Characterization of the wheel-terrain interaction for planetary rover wheels
Giancarlo Genta, Politecnico di Torino, Italy

IAC-17.A5.3-B3.3.8
Experiment research on human-in-loop space teleoperation with multifunctional structure
Caizhi Fan, National University of Defense Technology, China

IAC-17.A5.3-B3.3.9
Drones with Stereo Vision and Robotic Arms for Assisting Astronauts: A Patent Landscape and Visualization Analysis
Arun Subramanian Venkataraman, , India

A5.4-D2.8. Joint-session: Space Transportation Solutions for Deep Space Missions

September 29 2017, 09:00 — Hall O

Co-Chair(s): *Charles E. Cockrell Jr. , National Aeronautics and Space Administration (NASA), United States; Ernst Messerschmid , University of Stuttgart, Germany; K. Bruce Morris , RUAG Space, Sweden; Yuguang Yang , China Aerospace Science & Industry Corporation (CASIC), China;*
Rapporteur(s): *Gerhard Schwehm , European Space Agency (ESA), The Netherlands;*

IAC-17. A5.4-D2.8.2
Ariane 6 and space tugs: an enabler for European exploration missions
Frederic Masson, Centre National d'Etudes Spatiales (CNES), France

IAC-17.A5.4-D2.8.3
Architecture Design and Analysis of an Reusable Cislunar Transportation System from LEO Space Station
Zilong Cheng, National University of Defense Technology, China

IAC-17.A5.4-D2.8.4
Long-term Space Propellant Depot
Wang Xiaowei, China Academy of Launch Vehicle Technology, China

IAC-17.A5.4-D2.8.5
NASA's Space Launch System: A Transformative Capability for Deep Space Missions
Steve Creech, National Aeronautics and Space Administration (NASA), United States

IAC-17.A5.4-D2.8.6
Fly Me to the Moon on an SLS Block II
Steven Pietrobon, Small World Communications, Australia

IAC-17.A5.4-D2.8.7
Large size space ship frame for deep space mission created on Earth orbit by direct curing of composite material in free space environment
Alexey Kondyurin, University of Sydney, Australia

IAC-17.A5.4-D2.8.8
Manned Lunar Landing Mission Scale Analysis and Flight Scheme Selection Based on Mission Architecture Matrix
Xiaohui Wang, Beihang University, China

IAC-17.A5.4-D2.8.9
Mission Design of the ispace Commercial Lunar Lander
Chit Hong Yam, ispace, Inc., Japan

A6. 15th IAA SYMPOSIUM ON SPACE DEBRIS

Coordinator(s): *Christophe Bonnal , Centre National d'Etudes Spatiales (CNES), France; J.-C. Liou , National Aeronautics and Space Administration (NASA), United States;*

A6.1. Measurements

September 25 2017, 15:15 — Hall E1

Co-Chair(s): *Frank Di Pentino , Integrity Applications Incorporated (IAI), United States; Thomas Schildknecht , Astronomical Institute University of Bern (AIUB) / SwissSpace Association, Switzerland;*
Rapporteur(s): *Heather Cowardin , Jacobs Technology, ESCG, United States;*

IAC-17.A6.1.2
SMARTnet(TM) - Status and Statisctics
Hauke Fiedler, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.A6.1.3
Promising ISON telescope to improve the completeness and accuracy of the catalog for high orbit objects
Igor Molotov, Keldysh Institute of Applied Mathematics, RAS, Russian Federation

IAC-17.A6.1.4
Robust Geometric Algorithms for Space Object Detection
Tat-Jun Chin, University of Adelaide, Australia

IAC-17.A6.1.5
The Difference Method: A simple and effective on-board algorithm for space debris detection
Lionel Métrailler, Astronomical Institute University of Bern (AIUB), Switzerland

IAC-17.A6.1.6
Broadband Array Spectrograph System (BASS) thermal IR observations of Low Earth Orbit (LEO) and Geosynchronous Earth Orbit (GEO) objects in sunlit and darkness conditions
Mark A. Skinner, , United States

IAC-17.A6.1.7
WISE IR Observations of Titan Rocket Bodies and Debris at GEO
Patrick Seitzer, University of Michigan, United States

IAC-17.A6.1.8
Operational and inactive intact objects in GEO as sources of HAMR debris - first clear evidence
Vladimir Agapov, Central Research Institute of Machine Building (TSNIIMASH), Russian Federation

IAC-17.A6.1.9
Attitude State Evolution of Space Debris Determined from Optical Light Curve Observations
Abdul Rachmann, Astronomical Institute University of Bern (AIUB), Switzerland

IAC-17.A6.1.10
Revisiting Microparticulate Flux in the Low Earth Orbit: Comparison between Direct Measurement of Micro-Craters on the Tanpopo Capture Panels and the Turandot Flux Model for the International Space Station in 2015-2016
Yoshiro Oda, Hosei University, Japan

A6.2. Modelling and Risk Analysis

September 26 2017, 09:45 — Hall E1

Co-Chair(s): *Carmen Pardini , ISTI-CNR, Italy; Daniel Oltrogge , Analytical Graphics, Inc., United States;*
Rapporteur(s): *Marlon Sorge , The Aerospace Corporation, United States;*

IAC-17.A6.2.1
Preliminary Analysis of Two Years of the Massive Collision Monitoring Activity
Darren McKnight, Integrity Applications Incorporated (IAI), United States

IAC-17.A6.2.2
Mitigation Measures for Large Constellations
Hugh Lewis, University of Southampton, United Kingdom

IAC-17.A6.2.3
Towards State Uncertainty Accuracy Requirements for Actionable GEO Collision Risk Assessments
Sven Kevin Flegel, Space Environment Research Centre Ltd. (SERC), Australia

IAC-17.A6.2.4
A Comprehensive Assessment of Collision Risk in Geosynchronous Earth Orbit
Daniel Oltrogge, Analytical Graphics, Inc., United States

IAC-17.A6.2.5
Analysis of Initial Debris Fragment Characterization from DebriSat
Marlon Sorge, The Aerospace Corporation, United States

IAC-17.A6.2.6
Evolution of fragmentation cloud in highly eccentric orbit and its interaction with objects in low Earth orbit
Stefan Frey, Politecnico di Milano, Italy

IAC-17.A6.2.7
Dynamical mapping of the LEO region for passive disposal design
Elisa Maria Alessi, IFAC-CNR, Italy

IAC-17.A6.2.8
Drag and solar sail deorbiting: re-entry time versus cumulative collision probability
Camilla Colombo, Politecnico di Milano, Italy

IAC-17.A6.2.9
Statistical comparison of ISO recommended thermosphere models and space weather proxy forecasting on re-entry predictions
Benjamin Bastida Virgili, European Space Agency (ESA), Germany

IAC-17.A6.2.10 (non-confirmed)
new aerothermodynamic models and atmospheric re-entry analysis for concave geometry elements of space debris
Ysolde PREVEREAUD, ONERA - The French Aerospace Lab, France

IAC-17.A6.2.11
Gas-Kinetic Unified Algorithm for Boltzmann Model Equation and Applications to Aerodynamics during Low-Orbit Flight and Falling Disintegration of TG-type Spacecraft
Zhi-Hui Li, China Aerodynamics Research and Development Center, China

A6.3. Hypervelocity Impacts and Protection

September 27 2017, 09:45 — Hall E1

Co-Chair(s): *Frank Schaefer , Fraunhofer - Institut für Kurzzeitdynamik, Ernst-Mach-Institut (EMI), Germany; Norman Fitz-Coy , University of Florida, United States;*
Rapporteur(s): *Alessandro Francesconi , University of Padova - DII/CISAS, Italy;*

IAC-17.A6.3.1
Review of MMOD Shielding of the Chinese Space Station
Jun Yan, China Academy of Space Technology (CAST), China

IAC-17.A6.3.3 (non-confirmed)
hypervelocity impact damage pattern recognition in aluminum alloy plates based on d-s evidence theory and bp neural network
Cao Wuxiong, School of Astronautics, Harbin Institute of Technology, China

IAC-17.A6.3.4
Study on the performance of shielding configuration for reducing the fixing weight of fiber layer
Fa-wei Ke, China Aerodynamics Research and Development Center, China

IAC-17.A6.3.6
Characterizing DebriSat Fragments: So many fragments, so much data, and so little time
Bungo Shiotani, University of Florida, United States

IAC-17.A6.3.7
Optical Fragment Tracking in Hypervelocity Impact Experiments
Erkai Watson, Fraunhofer - Institut für Kurzzeitdynamik, Ernst-Mach-Institut (EMI), Germany

IAC-17.A6.3.8
Experimental investigation on the damage characteristic of solar array under millimeter size orbital debris hypervelocity impact
Zizheng GONG, Beijing Institute of Spacecraft Environment Engineering, CAST, China

IAC-17.A6.3.9
Microwave Emission from Hypervelocity Impacts Using Aluminum and Nylon for Target and Projectile Materials
Yuki Mando, The Graduate University for Advanced Studies, Japan

A6.4. Mitigation and Standards

September 26 2017, 14:45 — Hall E1

Co-Chair(s): *Christian Cazaux , Centre National d'Etudes Spatiales (CNES), France; David Finkleman , International Academy of Astronautics, United States;*
Rapporteur(s): Holger Krag , European Space Agency (ESA), Germany;

IAC-17.A6.4.1
Evaluating the environmental criticality of massive objects in LEO for debris mitigation and remediation
Carmen Pardini, ISTI-CNR, Italy

IAC-17.A6.4.2
MAJOR TRENDS FOR MITIGATION OF SPACE DEBRIS IN NEAR-EARTH SPACE IN THE RUSSIAN FEDERATION
Igor Usovik, Central Research Institute of Machine Building (TSNIIMASH), Russian Federation

IAC-17.A6.4.3
End-of-life disposal of Geosyncronous satellites
Ioannis Gkolias, Politecnico di Milano, Italy

IAC-17.A6.4.4
Drag enhancement for spacecraft using numerous ultra-thin wires arranged into drag-wire webs of various configurations
Aishwarya Manjunath, PES University, India

IAC-17.A6.4.5
Sentinel-1C&D Spacecraft Uncontrolled Re-entry Predictions
Ramon Torres, European Space Agency (ESA), The Netherlands

IAC-17.A6.4.6
Design for Demise: Systems-level techniques to reduce re-entry casualty risk
David Riley, Deimos Space UK Ltd, United Kingdom

IAC-17.A6.4.7
Feasibility assessment of a containment tether to reduce LEO satellites' on-ground casualty area
Jan-Christian Meyer, OHB System AG-Bremen, Germany

IAC-17.A6.4.8
Heat transfer and attitude investigation of a flat plate in a hypersonic flow for the DEBRISK survivability modelling tool
Pierre Omaly, CNES, France

IAC-17.A6.4.9
CleanSat - Coordinated approach reshaping technology development for space
Andrew Wolahan, ESTEC, European Space Agency, The Netherlands

IAC-17.A6.4.10
Considering cost of de-orbiting maneuvers in long-term scenarios
Carsten Wiedemann, TU Braunschweig, Institute of Space Systems, Germany

A6.5. Space Debris Removal Technologies

September 28 2017, 09:45 — Hall E1

Co-Chair(s): *Benjamin Bastida Virgili , European Space Agency (ESA), Germany; Fabio Santoni , University of Rome "La Sapienza", Italy;*
Rapporteur(s): *Fabrizio Piergentili , University of Rome "La Sapienza", Italy; ;*

IAC-17.A6.5.1
End-to-end On Ground System Demonstration of combined technologies for Debris Removal applications
Pablo Colmenarejo, GMV Aerospace & Defence SAU, Spain

IAC-17.A6.5.2
A Passively Stable Pyramid Sail for the Deorbit of Small Satellite Constellations
Alexandra Long, Georgia Institute of Technology, School of Aerospace Engineering, United States

IAC-17.A6.5.3
Standardized passive deorbiting device for multiple cubesat class SC: from 1U to 12U
Niccolò Bellini, N.P.C. New Production Concept, Italy

IAC-17.A6.5.4
development of a solid rocket motor for an active deorbitation system
Michal Pakosz, Institute of Aviation, Poland

IAC-17.A6.5.5
laboratory demonstration of space debris removal by a bi-directional helicon plasma thruster
Kazunori Takahashi, Tohoku University, Japan

IAC-17.A6.5.6
Contact Dynamics of Net Capturing of Space Debris
Minghe Shan, Delft University of Technology (TU Delft), The Netherlands

IAC-17.A6.5.8
comparison of efficiency of two de-orbiting schemes for adr mission in leo
Dmitriy Grishko, Bauman Moscow State Technical University, Russian Federation

IAC-17.A6.5.9
Low thrust trajectory optimization for multiple space debris removal
Xun Pan, Northwestern Polytechnical University,NPU, China

IAC-17.A6.5.10
Taxonomy and Analysis of Issues Facing Post Mission Disposal Concepts
Emma Kerr, University of Strathclyde, United Kingdom

IAC-17.A6.5.11
Increased Debris Cloud Density Due to Precession of Argument of Perigee
Joel Slotten, , United States

A6.6. Space Debris Removal Concepts

September 28 2017, 14:45 — Hall E1

Co-Chair(s): *Luisa Innocenti , European Space Agency (ESA), France; Nicolas Bérend , ONERA - The French Aerospace Lab, France;*
Rapporteur(s): *Balbir Singh , Manipal Institute of Technology, Manipal University, India;*

IAC-17.A6.6.1
CubeSats for Active Orbital Debris Removal
M. Reza Emami, University of Toronto, Canada

IAC-17.A6.6.2
Light Weight Robot Arm for Capturing Space Debris
Shin-Ichiro Nishida, Tottori University, Japan

IAC-17.A6.6.3
Space Debris Manoeuvre with Adaptive Optics Using a Ground-based Telescope
Doris Grosse, Australian National University, Australia

IAC-17.A6.6.4
The RemoveDebris ADR Mission: Launch from the ISS, Operations and Experimental Timelines
Jason Forshaw, Surrey Space Centre, University of Surrey, United Kingdom

IAC-17.A6.6.5
Simulation and prototyping of the Clean Space One Capture System
Xavier Collaud, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland

IAC-17.A6.6.6
Investigation of the potential applications of shape memory alloys for space debris remediation applications
Louis Wei-yu Feng, University of Cape Town, South Africa

IAC-17.A6.6.7
tethered systems in adr: satleash microgravity experiment and future developments
Vincenzo Pesce, Politecnico di Milano, Italy

IAC-17.A6.6.8
The difficulty in designing an Active Debris Removal mission: results of the ESA's e.Deorbit Detailed Design phase – ESA's debris removal mission
Robin Biesbroek, ESA european space agency, The Netherlands

IAC-17.A6.6.9
Characterizing the impact of rotational velocity on a laser-based debris removal system
Evan Gjesvold, North Dakota State University, United States

IAC-17.A6.6.10
Next Steps in Preserving Geostationary Orbit
Mark Hempsell, The British Interplanetary Society, United Kingdom

A6.7. Operations in Space Debris Environment, Situational Awareness

September 29 2017, 09:00 — Hall E1

Co-Chair(s): *Juan Carlos Dolado Perez , Centre National d'Etudes Spatiales (CNES), France; T.S. Kelso , Center for Space Standards and Innovation, United States;*
Rapporteur(s): *Carsten Wiedemann , TU Braunschweig, Institute of Space Systems, Germany;*

IAC-17.A6.7.1
Artificial Intelligence in Support to Space Traffic Management
Massimiliano Vasile, University of Strathclyde, United Kingdom

IAC-17.A6.7.2
Covariance Matrix Uncertainty Analysis and Correction
Juan Carlos Dolado Perez, Centre National d'Etudes Spatiales (CNES), France

IAC-17.A6.7.3
Open Source Collision Avoidance Maneuver Planning Tool
RASIT ABAY, UNSW Australia, Australia

IAC-17.A6.7.4
Architectural description of the Spanish Space Surveillance and Tracking System
Jose Maria Hermoso, CDTI (Centre for the development of Industrial Technology), Spain

IAC-17.A6.7.5
Distributed Fusion Sensor Networks for Space Situational Awareness
Steve Gehly, RMIT University (Royal Melbourne Institute of Technology), Australia

IAC-17.A6.7.6
Automated Resident Space Object catalogue construction and maintenance using optical sensor management
Nicholas Moretti, Inovor Technologies, Australia

IAC-17.A6.7.7
Space Debris Detection in Multi-Object Tracking
Zhengyang Mao, National Key Laboratory of Aerospace Flight Dynamics,Northwestern Polytechnical University,Xi'an, China

IAC-17.A6.7.8
Research on monitoring effectiveness of optical satellite constellation
Gongqiang Li, Chinese Academy of Sciences, China

IAC-17.A6.7.9
Challenges Identifying Newly Launched Objects
T.S. Kelso, Center for Space Standards and Innovation, United States

A6.8. Policy, Legal, Institutional and Economic Aspects of Space Debris Detection, Mitigation and Removal (joint session with Space Security Committee)

September 29 2017, 11:00 — Hall E1

Co-Chair(s): *Darren McKnight , Integrity Applications Incorporated (IAI), United States; Serge Plattard , European Space Policy Institute (ESPI), Austria;*
Rapporteur(s): *Alexander Soucek , European Space Agency (ESA), France;*

IAC-17.A6.8.1 (non-confirmed)
30 Years of European Efforts in Dealing with Space Debris
Walter Flury, , Switzerland

IAC-17.A6.8.2
Not all space debris is junk – a comprehensive management strategy for culturally significant spacecraft.
Alice Gorman, Flinders University, Australia

IAC-17.A6.8.4
Analysis of legal & policy issues for future Operational Debris Mitigation Systems
Annamaria Nassisi, Thales Alenia Space Italia, Italy

IAC-17.A6.8.5
Economic Benefits of Reusable Launch Vehicles for Space Debris Removal
Matthew Richardson, University of Tokyo, Japan

IAC-17.A6.8.6
Economic Valuation of Active Space Debris Removal
Olga Rozanova, Toulouse Business School, France

IAC-17.A6.8.7
Space Debris: The Landmines of Earth Orbit?
Stephen Coleman, UNSW Australia, Australia

IAC-17.A6.8.8
Consent Not Required (CNR): Making The Case That Consent Is Not Required Under Customary International Law For Removal Of Outer Space Debris Smaller Than 10 cm(2)
Marc Carns, , United States

IAC-17.A6.8.9
Small Spacecraft: Rules and Frames Should be built From Space Security Aspect
Shengjun Zhang, China Academy of Launch Vehicle Technology(CALT), China

A6.9. Orbit Determination and Propagation

September 27 2017, 14:45 — Hall E1

Co-Chair(s): *Heiner Klinkrad , European Space Agency (ESA), Germany; Moriba Jah , University of Arizona, United States;*
Rapporteur(s): *Hugh G. Lewis , University of Southampton, United Kingdom;*

IAC-17.A6.9.1
Effects of Thermosphere Total Density Perturbations on LEO Orbits During Severe Conditions Using SLR Data and TLE data sets.
Florent Deleflie, Observatoire de Paris, France

IAC-17.A6.9.2
Debris Shape Approximation using Ballistic Coefficient Estimation
John McVey, The Aerospace Corporation, United States

IAC-17.A6.9.3
Dynamical evolution analysis of standard geostationary transfer orbits injected by Chinese launchers
Yue Wang, Beihang University, China

IAC-17.A6.9.4
Bayesian filtering using directional statistics for space debris tracking problem
Shambo Bhattacharjee, University of Leeds, United Kingdom

IAC-17.A6.9.5
A LED-based Technology to improve the orbit determination of LEO satellite
Silvia Masillo, Sapienza - University of Rome, Italy

IAC-17.A6.9.6
Estimation of orbital parameters of broken-up objects from in-situ debris measurement
Yutaka Kodama, Kyushu University, Japan

IAC-17.A6.9.9
Analysis of Adaptive Gauss Mixture Unscented Kalman Filter with Sparse Optical Observations for Orbit Determination
Yang Yang, RMIT University (Royal Melbourne Institute of Technology), Australia

IAC-17.A6.9.10
Debris Object Orbit Initialization using the Probabilistic Admissible Region with Asynchronous Heterogeneous Observations
Waqar Zaidi, Applied Defense Solutions, Inc., United States

IAC-17.A6.9.11
Satellite Orbital Determination using the Desert Fireball Network
Trent Jansen-Sturgeon, Curtin University, Australia

A6.10-B4.10. Joint Small Satellite/Space Debris Session to promote the long-term sustainability of space

September 29 2017, 11:00 — Hall E2

Co-Chair(s): *Alex da Silva Curiel , Surrey Satellite Technology Ltd (SSTL), United Kingdom; Daniel Oltrogge , Analytical Graphics, Inc., United States; Rene Laufer , Baylor University / University of Cape Town, United States;*
Rapporteur(s): *Christian Cazaux , Centre National d'Etudes Spatiales (CNES), France;*

IAC-17.A6.10-B4.10.1
Norms of Behavior for Small Satellite Operations - Basic Principles
Brian Weeden, Secure World Foundation, United States

IAC-17.A6.10-B4.10.2
To launch or not to launch - responsibilities of small satellites for a sustainable space environment
Jonas Radtke, Technische Universität Braunschweig, Germany

IAC-17.A6.10-B4.10.3
Examination of Constellation Deployments Relative to Debris Mitigation: The Rest of the Story…
Darren McKnight, Integrity Applications Incorporated (IAI), United States

IAC-17.A6.10-B4.10.4
Mega-constellations vulnerability assessment
Lorenzo Olivieri, CISAS – "G. Colombo" Center of Studies and Activities for Space, University of Padova, Italy

IAC-17.A6.10-B4.10.7
MAXIMIZING POST MISSION DISPOSAL OF MEGA CONSTELLATIONS SATELLITES REACHING END OF OPERATIONAL LIFETIME
Miki Ito, ASTROSCALE JAPAN Inc., Japan

IAC-17.A6.10-B4.10.8
LEDSAT: in-orbit demonstration mission for LED-based cluster launch early identification and improved LEO surveillance
Alice Pellegrino, Sapienza - University of Rome, Italy

IAC-17.A6.10-B4.10.9
EOL Operations of the D-SAT Satellite: an In-Orbit Demonstration of Satellite Controlled Re-entry
Alessio Fanfani, D-Orbit, Italy

IAC-17.A6.10-B4.10.11
Design of a Rigid Boom Electro Dynamic/ Drag-Sail (RBEDDS) Hybrid Deorbiting System
Alexandru Cornogolub, Surrey Space Centre, University of Surrey, United Kingdom

IAC-17.A6.10-B4.10.12
Autonomy and Operational Concept for Self-Removal of Spacecraft: Status detection, removal triggering and passivation.
Alexandra Wander, Universität der Bundeswehr München, Germany

A7. SYMPOSIUM ON FUTURE SPACE ASTRONOMY AND SOLAR-SYSTEM SCIENCE MISSIONS

Coordinator(s): *Jakob van Zyl , National Aeronautics and Space Administration (NASA), United States;*

A7.1. Space-Agencies Long-Term Views

September 25 2017, 15:15 — Riverbank 5

Co-Chair(s): *Jakob van Zyl , National Aeronautics and Space Administration (NASA), United States; Pietro Ubertini , INAF, Italy;*
Rapporteur(s): *Brent Sherwood , Caltech/JPL, United States;*

IAC-17.A7.1.1
The Square Kilometre Array: Australia's mega-science project
Sarah Pearce, CSIRO, Australia

IAC-17.A7.1.2
Technology Challenges and Results of LISA Pathfinder
Cesar García Marirrodriga, ESTEC, European Space Agency, The Netherlands

IAC-17.A7.1.3
The TESS Mission: Instrument Noise Characterization for Precise Photometric Performance Evaluation and Science Sensitivity Analysis
Akshata Krishnamurthy, Massachusetts Institute of Technology (MIT), United States

IAC-17.A7.1.4
Preparing the mirror technology for the Athena x-ray telescope
Eric Wille, ESA, The Netherlands

IAC-17.A7.1.5
Balance in NASA's Space Science Program and the Roles of Extended Missions and Large Strategic Missions
Michael Moloney, National Academies of Sciences, Engineering, and Medicine, United States

IAC-17.A7.1.6
Program Options to Explore Ocean Worlds
Brent Sherwood, Caltech/JPL, United States

IAC-17.A7.1.7
Ocean Worlds, Icy Bodies, and RTG Concepts for Exploration
David Woerner, Jet Propulsion Laboratory - California Institute of Technology, United States

A7.2. Science Goals and Drivers for Future Exoplanet, Space Astronomy, Physics, and Outer Solar System Science Missions

September 26 2017, 09:45 — Riverbank 5

Co-Chair(s): Brent Sherwood , Caltech/JPL, United States; Pietro Ubertini , INAF, Italy;
Rapporteur(s): Eric Wille , ESA, The Netherlands;

IAC-17.A7.2.1
Australian planetary research network
Katarina Miljković, Curtin University, Australia

IAC-17.A7.2.2
The Australian Space Eye: studying the history of galaxy formation with a CubeSat
Anthony Horton, Australian Astronomical Observatory, Australia

IAC-17.A7.2.3
Fine Lateral and Longitudinal Sensor (FLLS) on-board ESA's PROBA-3 Mission
Miranda Bradshaw, Neptec UK, United Kingdom

IAC-17.A7.2.4
The ARIEL Mission - Atmospheric Remote-Sensing Infrared Exoplanet Large-survey
Paul Eccleston, STFC, United Kingdom

IAC-17.A7.2.5
Mission and System Design Challenges of ESA's Turbulence Heating Observer (THOR) Science Mission
Ingo Gerth, OHB System AG, Germany

IAC-17.A7.2.6
Mission concepts for exploration of the Kuiper Belt, the interstellar medium and to the Solar Gravity Lens
NITIN ARORA, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.A7.2.7
Assessment of mission architectures and key technologies for the astrobiological exploration of Europa and Enceladus
Konstantinos Konstantinidis, Universität der Bundeswehr München, Germany

IAC-17.A7.2.8
The Resurgence of Small-Aperture Telescopes for Planetary Science and Heliophysics: Airborne, Smallsats and Commercial Suborbital
Constantine Tsang, Southwest Research Institute, United States

IAC-17.A7.2.9
Verification Mission of a Satellite Telescope Swarm (ESTS) – One Candidate for the Next Large German Mission
Norbert M.K. Lemke, OHB System AG - Munich, Germany

IAC-17.A7.2.11
METIS CORONAGRAPH – Flight Model under acceptance tests
Alessandro Gabrielli, Italian Space Agency (ASI), Italy

A7.3. Technology Needs for Future Missions, Platforms

September 29 2017, 11:00 — Riverbank 5

Co-Chair(s): *Eric Wille , ESA, The Netherlands; Jakob van Zyl , National Aeronautics and Space Administration (NASA), United States;*
Rapporteur(s): *Brent Sherwood , Caltech/JPL, United States;*

IAC-17.A7.3.1
GLUV - A High-Altitude UV Survey
Brad Tucker, Australian National University, Australia

IAC-17.A7.3.5
Revisiting the Thermodynamics of Collisionless Plasma Expansion in Solar Magnetic Funnels.
Rod Boswell, Australian National University, Australia

IAC-17.A7.3.6
Hong-Ou-Mandel Gravitational Wave Space Detector
Clovis de Matos, European Space Agency (ESA), France

IAC-17.A7.3.7
Laser frequency stabilization in several space programs
Roland Le Goff, SODERN, France

IAC-17.A7.3.9
A High Energy Photon Polarimeter for Astrophysics
Branislav Vlahovic, North Carolina Central University, United States

IAC-17.A7.3.10
the benefits of a deep space ground station in the uae
Muthanna AlMahmoud, UAE Space Agency, United Arab Emirates

IAC-17.A7.3.11
Astronomy Observatory in Stratosphere
Jiri Pavlik, , Czech Republic

IAC-17.A7.3.12
The preliminary in-orbit observation results of Chinese first grazing incidence focusing X-ray pulsar detector
Loulou Deng, Beijing Institute of Control Engineering(BICE), China Academy of Space Technology(CAST), China

B1. EARTH OBSERVATION SYMPOSIUM

Coordinator(s): Andrew Court , TNO, The Netherlands; Gunter Schreier , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;

B1.1. International Cooperation in Earth Observation Missions

September 25 2017, 15:15 — Hall E2

Co-Chair(s): *Brent Smith , National Oceanic and Atmospheric Administration (NOAA), United States; K.R. Sridhara Murthi , NIAS, India;*
Rapporteur(s): *Marc Cohen , Eumetsat, Germany;*

IAC-17.B1.1.1
Current activities of the international Committee on Earth Observation Satellites
Jonathon Ross, Committee on Earth Observation Satellites, Australia

IAC-17.B1.1.2
Factor analysis of the long-term continuity of governmental satellite remote sensing programs: a comparative case study on the policy process of the Landsat and SPOT programs
Ikuko KURIYAMA, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.B1.1.3
FIRE Monitoring Constellation for Australia within the German FIREBIRD Mission
Winfried Halle, DLR (German Aerospace Center), Germany

IAC-17.B1.1.4
Partnerships in Earth Observation: Collaborative SAR Solutions - UK and Australia
Tony Milne, Cooperative Research Centre for Satellite Systems (CRCSS), Australia

IAC-17.B1.1.5
Successful Model of South-South Cooperation: the China-Brazil Earth Resource Satellites(CBERS) Project for about 30 Years
Ming Li, China Academy of Space Technology (CAST), China

IAC-17.B1.1.6
Status and Perspectives of the International Cooperation based on the Italian EO space asset COSMO-SkyMed
Maria Libera Battagliere, ASI - Italian Space Agency, Italy

IAC-17.B1.1.7
Concept of Asian Small Precipitation Radar Constellation
Yusuke Muraki, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.B1.1.10
Integrated Mission Planning and Scheduling Tool to Foster EOS Co-Constellation
Wasanchai Vongsantivanich, Geo-Informatics and Space Technology Development Agency (GISTDA), Thailand

B1.2. Future Earth Observation Systems

September 26 2017, 09:45 — Hall E2

Co-Chair(s): *Alain Gleyzes , CNES, France; Timo Stuffler , OHB System AG - Munich, Germany;*
Rapporteur(s): *Gunter Schreier , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*

IAC-17.B1.2.1
remote sensing satellite planning in Chinese National Space Infrastructure for the next eight years
Ming Li, China Academy of Space Technology (CAST), China

IAC-17.B1.2.2
The planned Earth Explorer Missions of the European Space Agency
Danilo Muzi, , The Netherlands

IAC-17.B1.2.3
Weather and Climate Monitoring in the Arctic Regions
Frank te Hennepe, OHB System, Germany

IAC-17.B1.2.4
Next Generation of SAR Services: capabilities and applications of WorldSAR
Pierre-Alexis Joumel, Airbus Defence and Space, Germany

IAC-17.B1.2.6
Design considerations for an aquatic ecosystem imaging spectrometer: results of a CEOS feasibility study
Arnold Dekker, CSIRO, Australia

IAC-17.B1.2.7
Sentinel-6 (Jason – CS) ocean topography mission
Mattia Marenco, Airbus Defence and Space GmbH, Germany

IAC-17.B1.2.8
Preliminary System Design of HISA – A Hyperspectral Imaging Satellite for Australia
EuGene Kim, University of Sydney, Australia

IAC-17.B1.2.9
Potential of the geostationary GeoCarb mission to estimate surface emissions of CO2, CH4 and CO in a polluted urban environment
DENIS O'BRIEN, , Australia

IAC-17.B1.2.10
nano-satellites cluster system design for free reconfiguration and intelligent synergy earth observation
Binglei SUN, Shanghai Institute of Spaceflight Control Technology, China

B1.3. Earth Observation Sensors and Technology

September 27 2017, 09:45 — Hall E2

Co-Chair(s): *Andrew Court , TNO, The Netherlands; Ralph Girard, Canadian Space Agency, Canada;*
Rapporteur(s): *Yean Joo Chong , National University of Singapore, Singapore, Republic of;*

IAC-17.B1.3.2
Copernicus Sentinel-5 for atmospheric monitoring: design, performance and development
Luís Ferreira, Airbus Defence and Space GmbH, Germany

IAC-17.B1.3.3
Design and Proof of Concept Testing of a Passive Imaging Radar Constellation for Near-Persistent Earth Observation - PASSAT
Craig Underwood, Surrey Space Centre, University of Surrey, United Kingdom

IAC-17.B1.3.4
3MI: Multi-viewing, Multi-channel, Multi-polarization Imaging for MetOP Second Generation
Umberto Bruno, Leonardo Spa, Italy

IAC-17.B1.3.5
Development Status and Prospect of High Resolution Imaging Camera in Geostationary Orbit of china
Chen Xiaoli, Beijing Institute of Space Mechanics & Electricity,CAST, China

IAC-17.B1.3.6
Spacecraft of integrated monitoring geophysical fields "Gravisat".
Sergiy Matviyenko, JSC "RPC "KURS", Ukraine

IAC-17.B1.3.7
Bandpass filters for multispectral remote sensing imagers
Roland Le Goff, SODERN, France

IAC-17.B1.3.8
SDR-based Synthetic Aperture Radar for EO missions
Sergio Cunha, University of Porto, Faculty of Engineering, Portugal

IAC-17.B1.3
design and performances of the fluorescence imaging spectrometer of china
Pengfei Duan, Beijing Institute of Space Mechanics & Electricity, China

B1.4. Earth Observation Data Management Systems

September 29 2017, 09:00 — Hall E2

Co-Chair(s): *Gunter Schreier , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany; James E. Graf , National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States;*
Rapporteur(s): *Na Yao , China Academy of Space Technology (CAST), China;*

IAC-17.B1.4.1
Earth observations applications development in the Bureau of Meteorology
Anthony Rea, Bureau of Meteorology, Australia

IAC-17.B1.4.2
Intelligent Interpreting System of High Resolution Remote Sensing Image Based on Fully Convolution Network
ZHIHUI ZHENG, National Key Laboratory of Science and Technology on Aerospace Intelligence Control, Beijing Aerospace Automatic Control Institute, China

IAC-17.B1.4.3
Autonomous Time Series Generation of High Spatial Resolution Images
Marco Schmidt, Bochum University of Applied Sciences, Germany

IAC-17.B1.4.4
Well Calibrated Earth Observations from Space-- A Genuine National Resource
Timothy Newman, U.S. Geological Survey, United States

IAC-17.B1.4.5
Evaluating super-resolution reconstruction \\of satellite images
Michal Kawulok, Silesian University of Technology, Poland

IAC-17.B1.4.6
water bodies extraction from high resolution dubaisat-2 images using logistic regression
Alya AlMaazmi, Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates

B1.5. Earth Observation Applications and Economic Benefits

September 28 2017, 14:45 — Hall E2

Co-Chair(s): *Luigi Bussolino , Bussolino and Associates, Italy; Paul Kamoun , Thales Alenia Space France, France;*
Rapporteur(s): *Yean Joo Chong , National University of Singapore, Singapore, Republic of;*

IAC-17.B1.5.1
Partnerships to enable earth science applications: Case Studies from the National Aeronautics and Space Administration
Danielle Wood, , United States

IAC-17.B1.5.2 (non-confirmed)
Space-based model for prediction of drought-related wheat losses in Australia
Felix Kogan, NOAA/NESDIS, United States

IAC-17.B1.5.4
Leveraging machine learning and satellite imagery to develop solutions for mixed crop farming done on small farms in India
Shabarinath Nair, Earth2Orbit Analytix, India

IAC-17.B1.5.5
Epidemiology Study of the Chagas Disease in Bolivia Using Remote Sensing Data
Natalia Indira Vargas-Cuentas, Beihang University (BUAA), China

IAC-17.B1.5.6
The Value of Spatial Information to Australia
Chris Penning, CRCSI, Australia

IAC-17.B1.5.7
Monitoring Burned Areas in the Amazon Forest from Time Series Satellite Data
Giancarlo Santilli, Universidade de Brasilia, Brazil

IAC-17.B1.5.8
Orbital Eye: monitoring of large-scale terrestrial infrastructure from space
Paul Stewart, S[&]T, The Netherlands

IAC-17.B1.5.10
an intelligent 3u hyperspectral earth observation cubesat for low-cost, direct-to-ground applications
Mónica Estébanez Camarena, University of Cape Town, South Africa

IAC-17.B1.5.11
Earth Observation for One Health: a Decision-Making Guide
Samuel Malloy, The Ohio State University, United States

IAC-17.B1.5.12
Space-based remote sensing to help measuring effectiveness of farm policies on agricultural productivity and income distribution: the case of Mexico and Procampo
Ariadna Martinez Gonzalez, The Ohio State University College of Engineering, United States

B1.6. Big Data, Data Cubes and new platforms to exploit large-scale, multi-temporal EO Data

September 28 2017, 09:45 — Hall E2

Co-Chair(s): *Harry A. Cikanek , National Oceanic and Atmospheric Administration (NOAA), United States; Ralph Girard , Canadian Space Agency, Canada;*
Rapporteur(s): *Wolfgang Rathgeber , European Space Agency (ESA), Italy;*

IAC-17.B1.6.1
Applications of Digital Earth Australia - From satellite data to better decisions
Trevor Dhu, Geoscience Australia, Australia

IAC-17.B1.6.2
The Committee on Earth Observation Satellites Data Cube Initiative
Jonathon Ross, Committee on Earth Observation Satellites, Australia

IAC-17.B1.6.3
The German Copernicus data and exploitation platform “CODE-DE”
Vanessa Keuck, DLR, German Aerospace Center, Germany

IAC-17.B1.6.4
Discrete Global Grid Systems: A New Platform to Exploit Big Earth Data
Matthew Purss, Geoscience Australia, Australia

IAC-17.B1.6.5
Cloud based processing of free and commercial earth observation data with PCI GXL, populating and analyzing data with the Australian Geoscience Data Cube software.
Wolfgang Lueck, PCI Geomatics, Canada

IAC-17.B1.6.6
Scalable data processing system for satellite data mining
Stefano Speretta, Delft University of Technology (TU Delft), The Netherlands

IAC-17.B1.6.7
Space Big Data: Law & policy recommendations for international cooperation in increasing benefits from space data applications
Dimitra Stefoudi, Leiden University, The Netherlands

B2. SPACE COMMUNICATIONS AND NAVIGATION SYMPOSIUM

Coordinator(s): Manfred Wittig , European Space Agency (ESA), retired, The Netherlands; Otto Koudelka , Graz University of Technology (TU Graz), Austria;

B2.1. Advanced Space Communications and Navigation Systems

September 25 2017, 15:15 — Meeting Room L3

Co-Chair(s): Amane Miura , National Institute of Information and Communications Technology (NICT), Japan; Morio Toyoshima , National Institute of Information and Communications Technology (NICT), Japan;
Rapporteur(s): Giovanni B. Palmerini , Universita' di Roma 'La Sapienza', Italy;

IAC-17.B2.1.1
Enabling Future Science and Human Exploration with NASA’s Next Generation Near Earth and Deep Space Communications and Navigation Architecture
Richard Reinhart, NASA Glenn Research Center, United States

IAC-17.B2.1.2 (non-confirmed)
Evolving An Interoperable Communications Architecture From International Lunar Missions in Development
David Dunlop, National Space Society, United States

IAC-17.B2.1.4 (non-confirmed)
an improved analog linearizer for satellite communication system
Zheng Liu, Shanghai Aerospace Electronic Co.,LTD, China

IAC-17.B2.1.5
The Australia Telescope National Facility
Douglas Bock, CSIRO, Australia

IAC-17.B2.1.6
Parameter fluctuation effects of blunt-nosed reentry plasma sheath on Electromagnetic wave propagation
Zhiwei Liu, China Aerospace Science and Technology Corporation (CASC), China

IAC-17.B2.1.7
Pulsar-Based Positioning System
Po-Ting Chen, University of California, Los Angeles, United States

IAC-17.B2.1.8
Integrated Space Based Augmentation System (SBAS) for NavIC/IRNSS
RANJITH VISWANATHAN, Indian Space Research Organization (ISRO), India

IAC-17.B2.1.9
Title: Commercialization progress in the Global TT&C market. An update of the state of commercial TT&C services for satellite operations
Erik Eliasen, SSC, United States

IAC-17.B2.1.10
A review of new generation launch vehicles TT&C system technology in China
FENG OU, China Aerospace Science and Technology Corporation (CASC), China

IAC-17.B2.1.11
A TT&C scheme and in-orbit verification of high orbit satellite with double channel of different rotation and different frequency antenna array
Xin rong WEI, Beijing Institute of Spacecraft System Engineering, China Academy of Space Technology(CAST), China

IAC-17.B2.1.12
Development of a New Algorithm for Implementation of QoS on SpaceFibre Based Space Networks
Rui Xiong, Beihang University (BUAA), China

B2.2. Fixed and Broadcast Communications

September 26 2017, 09:45 — Meeting Room L3

Co-Chair(s): Desaraju Venugopal , Devas Multimedia Pvt. Ltd., India; Robert D. Briskman , Sirius XM Radio, United States;
Rapporteur(s): Laszlo Bacsardi , Hungarian Astronautical Society (MANT), Hungary;

IAC-17.B2.2.2
Constellation optimization for nonlinear satellite channels
Azam Mehboob, University of South Australia, Australia

IAC-17.B2.2.3
Emerging Competitive Regional and Global Satellite Based IP Core and Broadband Access Networks
Mohanavelu K, , India

IAC-17.B2.2.4
New Advanced Satellite Radio Satellites
Robert D. Briskman, Sirius XM Radio, United States

IAC-17.B2.2.5
Overview of OHB System’s Navigation and Telecommunication Satellites Capabilities
GUY PEREZ, OHB System AG, Germany

IAC-17.B2.2.8
Performance Analysis of High Throughput Multibeam Satellite Uplink under Rain Fading
Ishtiaq Ahmad, University of South Australia, Australia

B2.3. Mobile Satellite Communications and Navigation Technology

September 26 2017, 14:45 — Meeting Room L3

Co-Chair(s): *Giovanni B. Palmerini , Universita' di Roma 'La Sapienza', Italy; Joe M. Straus , The Aerospace Corporation, United States;*
Rapporteur(s): *Peter Buist , Netherlands Space Society (NVR), The Netherlands;*

IAC-17.B2.3.1
GNSS/INS/Star Tracker Integration for Real-Time On-Board Autonomous Orbit and Attitude Determination in LEO, MEO, GEO and Beyond
Vincenzo Capuano, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland

IAC-17.B2.3.2 (non-confirmed)
A Small Satellite Mission Supporting Passive Altimetry Using GNSS Signals
Otto Koudelka, Graz University of Technology (TU Graz), Austria

IAC-17.B2.3.3
VHF Omnidirectional Range (VOR) reliability determination in stratosphere: STRATONAV Experiment
Paolo Marzioli, Sapienza - University of Rome, Italy

IAC-17.B2.3.4
Design of an Efficient and Low Cost Attitude Control System for a Nanosatellite
Pierre Daligault, Ecole Polytechnique de Montreal, Canada

IAC-17.B2.3.5
ESA’s OPS-SAT mission: testing a flying laboratory
Manuel Kubicka, Graz University of Technology (TU Graz), Austria

IAC-17.B2.3.7
External Fields test method for the GNSS Anti-jamming Antenna Pattern
Peng Lyu, Tianjin 764 Communication Navigation Technology Co., Ltd., China

IAC-17.B2.3.8
Axially Displaced Ellipse Reflector Antenna Design and Analysis using Multilevel Fast Multipole Accelerated Method of Moments Solution of Electric Field Integral Equation
Ismat Ullah, SUPARCO, Pakistan

IAC-17.B2.3.9 (non-confirmed)
progress on cesium atomic clock with magnetic state selection for space application
Ji Wang, Lanzhou Institute of Physics, China Academy of Space technology, China

IAC-17.B2.3.11
dynamic routing algorithm based on predicting movement trend for LEO satellite networks
Wenji Li, China Aerospace Science and Technology Corporation (CASC), China

B2.4. Advanced Satellite Services

September 27 2017, 09:45 — Meeting Room L3

Co-Chair(s): Eva Maria Aicher , Tesat-Spacecom GmbH & Co. KG, Germany; K.R. Sridhara Murthi , NIAS, India;
Rapporteur(s): Enrique Pacheco Cabrera , , Mexico;

IAC-17.B2.4.1
SmallGEO, the OHB Telecommunications Satellites
Carsten Borowy, OHB System AG-Bremen, Germany

IAC-17.B2.4.2
Connectivity services based on optical ground-to-space links
Marcus Knopp, German Aerospace Center (DLR), Germany

IAC-17.B2.4.3
Global Reach for the Internet of Things
David Haley, Myriota, Australia

IAC-17.B2.4.4
An Integrated Space Technology and Global Navigation Satellite Systems Application for Agriculture Monitoring
SAQIB NISAR, Beihang University (BUAA), Pakistan

IAC-17.B2.4.5
Satellite Visibility Map for Emergency Applications
Matthias Tebbe, Technical University of Munich, Germany

IAC-17.B2.4.7
data exchange satellite constellation, an advanced communication services provider,our slogan is we are always online.
Mu Jia, China Great Wall Industry Corporation, China

IAC-17.B2.4.8
Research of GNSS satellite integrity monitoring based on observations from LEOs
Yang MA, DFH Satellite CO.,LTD, China

B2.5. Space-Based Navigation Systems and Services

September 27 2017, 14:45 — Meeting Room L3

Co-Chair(s): Kristian Pauly , OHB System, Germany; Rita Lollock , The Aerospace Corporation, United States; Rapporteur(s): Norbert Frischauf , QASAR Technologie(s) GmbH, Austria;

IAC-17.B2.5.1
Satellite-based Search and Rescue System in the Presence of Multiple Beacons
Assad Akhlaq, University of South Australia, Australia

IAC-17.B2.5.2
Looking at the future governance of Galileo
Serge Plattard, European Space Policy Institute (ESPI), Austria

IAC-17.B2.5.3
A Stochastic Constellation Replenishment Planner for Galileo Second Generation
David Riley, Deimos Space UK Ltd, United Kingdom

IAC-17.B2.5.4
tiangong-2's precise orbit determination : preliminary results
Wenbin Wang, Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences, China

IAC-17.B2.5.6
Joint Japanese and Australian Project to Demonstrate the Benefits of QZSS Precise Positioning for Autonomous Tractors
Suelynn Choy, RMIT University, Australia

IAC-17.B2.5.7
Identifying Ionospheric Scintillation in the South Atlantic Magnetic Anomaly using motion-affected GPS data from a ship-based receiver.
Annelie Vermeulen, University of Cape Town, South Africa

IAC-17.B2.5.8
Time-Synchronization impact on the performance of the Distributed Ground Station Network service for tracking CubeSats and further signal sources
Andreas Hornig, University of Stuttgart, Germany

IAC-17.B2.5.9
Inertially Aided Vector Matching for Opportunistic Navigation in Space
Joel Runnels, University of Minnesota, United States

IAC-17.B2.5.10
In-Situ Navigation and Timing Services for the Human Mars Landing Site
Kar-Ming Cheung, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

B2.6. Near-Earth and Interplanetary Communications

September 28 2017, 09:45 — Meeting Room L3

Co-Chair(s): *Manfred Wittig , European Space Agency (ESA), retired, The Netherlands; Ramon P. De Paula , National Aeronautics and Space Administration (NASA), United States;*
Rapporteur(s): *Dipak Srinivasan , The Johns Hopkins University Applied Physics Laboratory, United States;*

IAC-17.B2.6.1
Local and Deep Network Communication to Support ESA's Moon Village Vision
Aníbal López, Graz University of Technology (TU Graz), Germany

IAC-17.B2.6.2
New Receiving Ground Antenna using Active Phased Array Antenna for satellites (II)
Nobuyuki Kaya, Kobe University, Japan

IAC-17.B2.6.3
NanoSat MO Framework: Drill down your nanosatellite's platform using CCSDS Mission Operations services
César Coelho, TU Graz (ESA), Germany

IAC-17.B2.6.4 (non-confirmed)
FPGA Architecture For A Standalone, Modular Tele-command And Telemetry Card Based On CCSDS Communication Framework
Rakshith Ramesh, Team Indus, Axiom Research Labs Pvt. Ltd., India

IAC-17.B2.6.5
The Radio Frequency Telecommunications System of the NASA Europa Clipper Mission
Dipak Srinivasan, The Johns Hopkins University Applied Physics Laboratory, United States

IAC-17.B2.6.7
Calibration and Performance Measurements for the NASA Deep Space Network Aperture Enhancement Project (DAEP)
Remi LaBelle, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.B2.6.8
Application of Solar Sail as a Reflector for Nano Satellite Antenna System
Shweta Pable, College Of Engineering , Pune, India

IAC-17.B2.6.9
Design of low cost Ground Station without the use of a Front-End Amplifier
Shardul Desai, College of Engineering, Pune, India

IAC-17.B2.6.10
a novel superposed frame descriptor structure for vcm leo satellite-ground communications
Jionghui Li, National Space Science Center, Chinese Academy of Sciences, China

IAC-17.B2.6.11
A Combined RF/Optical Transmission Scheme for Deep Space Communications
Manfred Wittig, European Space Agency (ESA), retired, The Netherlands

B2.7. Advanced Technologies for Space Communications and Navigation

September 29 2017, 11:00 — Meeting Room L3

Co-Chair(s): *Edward W. Ashford , Graz University of Technology (TU Graz), Austria; Elemer Bertenyi , Canadian Aeronautics and Space Institute, Canada;*
Rapporteur(s): *Nader Alagha , ESA, The Netherlands;*

IAC-17.B2.7.1
Concept for single-satellite global quantum key distribution using a solid state quantum memory
Sarah Wittig, ESA, The Netherlands

IAC-17.B2.7.2
Demonstrating miniaturised, entangled photon-pair sources on board nanosatellites to enable future QKD missions.
Rakhitha Bandara Chandrasekara, National University of Singapore, Singapore, Republic of

IAC-17.B2.7.3
XLink – a 0.3 U sized X-band Transceiver for NanoSats
Daniel Noack, Technische Universität Berlin, Germany

IAC-17.B2.7.4
NORSAT-2: Enabling Advanced Maritime Communication with VDES
Laura Bradbury, UTIAS Space Flight Laboratory, Canada

IAC-17.B2.7.5
Multipath Prediction Model for Global Positioning Satellites Using Neural Network
Silvana Radu, Institute of Space Science, Romania

IAC-17.B2.7.6
Design of Ka band weak signal receiver for space communication payload in high dynamic environment
Rong Sun, Beijing Institute of Astronautical Systems Engineering, China

IAC-17.B2.7.7
Maximizing Cubesat Telemetry Throughput by Adaptive Channel Coding
Gaurav Juvekar, College of Engineering, Pune, India

IAC-17.B2.7.8
effects of inclinometer error on star sensor position accyuracy
Shabnam Yazdani, K. N. Toosi University of Technology, Iran

IAC-17.B2.7.9
An inter-satellite optical transmission system for simultaneous ranging and data communication
Qianbing Li, Tsinghua University, China

IAC-17.B2.7.10
Compensation for transmitter distortions in high-speed satellite downlinks
Kelvin Layton, University of South Australia, Australia

IAC-17.B2.7.11
A Power Efficient Clustering scheme for the Intersatellite Communication Network in OLFAR
Li Deng, National Space Science Center, Chinese Academy of Sciences, China

IAC-17.B2.7.12
The development review and application prospects of synthetic aperture antenna
YAO Guowei, China Academy of Launch Vehicle Technology, China

IAC-17.B2.7.13
High Earth Orbit Navigation by Vector Tracking
Sara Pourdaraei, Beijing University of Aeronautics and Astronautics, China

B2.8-GTS.3. Space Communications and Navigation Global Technical Session

September 28 2017, 14:45 — Riverbank 2

Co-Chair(s): *Edward W. Ashford , Graz University of Technology (TU Graz), Austria; Kevin Shortt , , Germany;*
Rapporteur(s): *Stephanie Wan , Space Generation Advisory Council (SGAC), United States;*

IAC-17.B2.8-GTS.3.1
Entangled-based quantum information transfer on Earth-satellite channel
Andras Kiss, University of West Hungary, Hungary

IAC-17.B2.8-GTS.3.2
Space and SATCOM for 5G European Transport and Connected Mobility
Stefano Ferretti, European Space Policy Institute (ESPI), Austria

IAC-17.B2.8-GTS.3.3
rain attenuation prediction modeling for earth-space links based on physical consistency
Phunsak Thiennviboon, Kasetsart University, Thailand

IAC-17.B2.8-GTS.3.4
Deep space communication services provided by Sardinia Deep Space Antenna - SDSA: program status and capabilities
Giorgia Parca, Italian Space Agency (ASI), Italy

IAC-17.B2.8-GTS.3.5
The efficient multi-GNSS acquisition method on HEO orbit
Jia Tian, China Academy of Space Technology (Xi'an), China

IAC-17.B2.8-GTS.3.6
Compatibility and Interoperability of the Orbital Constellations of Global Navigation Satellite Systems
Min Hu, Equipment Academy, China

IAC-17.B2.8-GTS.3.7
Research on network coding of space laser communication network
Yanmei Jia, University of Chinese Academy of Sciences, China

IAC-17.B2.8-GTS.3.8
Preliminary Design-Concept of Multi Regional Satellite for Increasing Accuracy in GNSS (Precise Point Positioning)
Pratiwi Kusumawardani, Space Generation Advisory Council (SGAC), Indonesia

B3. HUMAN SPACEFLIGHT SYMPOSIUM

Coordinator(s): *Kevin D. Foley , The Boeing Company, United States;*
Support(s): *Igor V. Sorokin , S.P. Korolev Rocket and Space Corporation Energia, Russian Federation; Peter Batenburg , Airbus Defence and Space, The Netherlands;*

B3.1. Governmental Human Spaceflight Programs (Overview)

September 25 2017, 15:15 — City Room 3

Co-Chair(s): *Carlo Mirra , Airbus Defence & Space, Germany; Sam Scimemi , National Aeronautics and Space Administration (NASA), United States;*
Rapporteur(s): *Rainer Willnecker , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*

IAC-17.B3.1.1
ISS, SLS, Orion: Into The Proving Ground
William H. Gerstenmaier, National Aeronautics and Space Administration (NASA), United States

IAC-17.B3.1.2
Technology Achievement and Prospect of China Spacelab Mission
Chuanfeng Wei, Institute of Manned Space System Engineering,China Academy of Space Technology (CAST), China

IAC-17.B3.1.3
JAXA's Initiative on Human Spaceflight Program for ISS and BLEO
Takashi Hamazaki, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.B3.1.4
The European Space Exploration Envelope Programme: ESA's answer to an inclusive exploration vision for a united Space in Europe.
David Parker, ESA/ESTEC, The Netherlands

IAC-17.B3.1.5
Canada and the International Space Station Program: Overview and Status since IAC 2016
Timothy Braithwaite, Canadian Space Agency, United States

IAC-17.B3.1.6
THE BENEFITS OF MAINTAINING INTERNATIONAL SPACE STATION OPERATIONS WHILE STARTING SUSTAINABLE HUMAN EXPLORATION BEYOND LOW EARTH ORBIT
Joel Montalbano, , United States

IAC-17.B3.1.7
NASA'S Asteroid Redirect Mission: Progress and Contributions to Human Exploration Plan
Michele Gates, NASA Headquarters, United States

IAC-17.B3.1.8
Orion European Service Module Development Status and NASA/ESA cooperation
Nico Dettmann, ESA,

IAC-17.B3.1.9
The decision for Indian Human Spaceflight Programme - political perspectives, national relevance and and technological challenges
Mukund Kadursrinivas Rao, National Institute of Advanced Studies (NIAS), India

B3.2. Commercial Human Spaceflight Programs

September 26 2017, 09:45 — City Room 3

Co-Chair(s): *Michael E. Lopez Alegria , MLA Space, LLC, United States; Michael W. Hawes , Lockheed Martin Corporation, United States; Sergey K. Shaevich , Khrunichev State Research & Production Space Center, Russian Federation;*
Rapporteur(s): *Gene Rice , RWI - Rice Wigbels Int'l, United States;*

IAC-17.B3.2.2
Estimation of the commercial spacecraft potentials
Alexander G. Derechin, S.P. Korolev Rocket and Space Corporation Energia, Russian Federation

IAC-17.B3.2.3
First Female German Astronaut - a Commercial Human Spaceflight Initiative
Claudia Kessler, HE Space, Germany

IAC-17.B3.2.5
SpaceShipTwo: A Suborbital Vehicle for Human Spaceflight and Microgravity Research
Sirisha Bandla, Virgin Galactic L.L.C, United States

IAC-17.B3.2.6
Development and Execution of a Commercial Manned Suborbital Research Program for Aeronomy Applications
Aaron H. Persad, University of Toronto, Canada

IAC-17.B3.2.7
A study and discussion on the cost issue of suborbital and orbital space tourisms
Eva Yi-Wei Chang, University of Science & Technology, Taiwan, China

IAC-17.B3.2.8
Utilization of Private Spaceports for Space Tourism and Space Travel: Case Studies of Various Global Locations
Ugur Guven, UN CSSTEAP, United States

IAC-17.B3.2.9
The ISS, Exploration, and the development of a LEO commercial market
Sam Scimemi, National Aeronautics and Space Administration (NASA), United States

IAC-17.B3.2.10
market analysis for a private space station
Reina Buenconsejo, Science and Technology Policy Institute, United States

B3.3. Utilization & Exploitation of Human Spaceflight Systems

September 26 2017, 14:45 — City Room 3

Co-Chair(s): *Cristian Bank , Rovsing A/S, Denmark; Eleanor Morgan , , United States;*

IAC-17.B3.3.1
Benefits of International Collaboration on the International Space Station
Pete Hasbrook, National Aeronautics and Space Administration (NASA)/Johnson Space Center, United States

IAC-17.B3.3.2
Russian ISS Research Program
George Karabadzhak, Central Research Institute for Machine Building (FGUP TSNIIMASH), Russian Federation

IAC-17.B3.3.3
SOLAR: Wrap up after 9 years of successful operations on the ISS
Geraldine Mariën, Space Applications Services N.V./S.A., Belgium

IAC-17.B3.3.4
ICARUS - Animal Observation from ISS
Johannes Weppler, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.B3.3.5
mission planning with multiple constraints for optical module spacecraft of China space station project
Suquan Ding, Beijing Space Quest Ltd., China

IAC-17.B3.3.6
The assessment of crewmembers' role over increasing of utilization effectiveness of the ISS Russian Segment
Igor V. Sorokin, S.P. Korolev Rocket and Space Corporation Energia, Russian Federation

IAC-17.B3.3.7
Achievements and Expectation of Tianzhou-1 Cargo Spaceship
Mingsheng Bai, , China

IAC-17.B3.3.8 (non-confirmed)
"ISS 2 Mars" - what does it take to simulate a Mars flight onboard the ISS ?
Cristian Bank, Rovsing A/S, Denmark

IAC-17.B3.3.9
Overview of NASA's NextSTEP Habitation Development Activity
Jason Crusan, NASA, United States

IAC-17.B3.3.10
Commonality and Standards for Deep Space Exploration
Matthew Duggan, The Boeing Company, United States

B3.4-B6.5. Flight & Ground Operations of HSF Systems – Joint Session of the Human Spaceflight and Space Operations Symposia

September 27 2017, 09:45 — City Room 3

Co-Chair(s): Annamaria Piras , Thales Alenia Space Italia, Italy; Dieter Sabath , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;

Rapporteur(s): Thomas A.E. Andersen , Danish Aerospace Company ApS, Denmark;

IAC-17.B3.4-B6.5.1
Unexpected Control Structure Interaction on International Space Station
Susan Gomez, , United States

IAC-17.B3.4-B6.5.2
ISS controlled deorbit: challenges and solutions
Rafail Murtazin, Rocket Space Corporation Energia, Russian Federation

IAC-17.B3.4-B6.5.3
Implementation of an Additional Command System, Pathing the Way for New Tasks at Col-CC
Angela Schlerf, DLR (German Aerospace Center), Germany

IAC-17.B3.4-B6.5.4
MPCC and Ku-IPS, new ways to control the next generation of Columbus payloads - Ground Segment Aspects
Thomas Mueller, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.B3.4-B6.5.5
Commercial payloads and the ticketing process - Fast and direct access to ISS using MPCC AND KU-IPS by standardized services-
Katherine Pegg, Airbus Defence and Space GmbH, Germany

IAC-17.B3.4-B6.5.6
Bartolomeo - The New Versatile External Carrier on the International Space Station
Christian Steimle, Airbus Defence and Space, Germany

IAC-17.B3.4-B6.5.8
Study on Autonomous Planning of Flight Progress for Manned Spacecraft
Zhen Huang, Institute of Manned Space System Engineering, CAST, China

IAC-17.B3.4-B6.5.9 (non-confirmed)
Study on Fault Diagnosis Technology of Manned Launch Vehicle in Waiting-for-lift-off Phase
Chenguang Zhang, Beijing Institute of Astronautical Systems Engineering, China

IAC-17.B3.4-B6.5.10 (non-confirmed)
Automated control system of spaceship status in flight
Natalia V. Mishurova, S.P. Korolev Rocket and Space Corporation Energia, Russian Federation

IAC-17.B3.4-B6.5.11
A Summary of the Analytical Techniques Involved in Robotic Life Extension on the International Space Station
George Panagiotoglou, MDA Robotics & Automation, Canada

IAC-17.B3.4-B6.5.12
Optimizing ISS electrical power generation and utilization
Robert Juillerat, Booz Allen Hamilton, United States

B3.5. Astronaut Training, Accommodation, and Operations in Space

September 28 2017, 09:45 — City Room 3

Co-Chair(s): Alan T. DeLuna , ATDL Inc., United States; Igor V. Sorokin , S.P. Korolev Rocket and Space Corporation Energia, Russian Federation;
Rapporteur(s): Keiji Murakami , Japan Aerospace Exploration Agency (JAXA), Japan;

IAC-17.B3.5.2
Thermodynamic challenges of cooking food on Mars
Sebastian Hettrich, Space Generation Advisory Council (SGAC), Germany

IAC-17.B3.5.3
The On-orbit Validation of the Maintainability Techniques during the Manned Flight Missions
LIU Ning, CAST, China

IAC-17.B3.5.4
Analogue capabilities for human-in-the-loop simulations of surface operations in training and research
Diego A. Urbina, Space Applications Services N.V./S.A, Belgium

IAC-17.B3.5.5
The study of topical issues related to the features of the Moon expeditions activity
Igor G. Sokhin, Yu.A. Gagarin Research and Test Cosmonaut Training Center, Russian Federation

IAC-17.B3.5.6
Surface Operations During a Long-Duration Mars Simulation Mission
Christiane Heinicke, VU Amsterdam, ILEWG, The Netherlands

B3.6-A5.3. Human and Robotic Partnerships in Exploration - Joint session of the Human Spaceflight and Exploration Symposia

September 28 2017, 14:45 — City Room 3

Co-Chair(s): *Christian Sallaberger , Canadensys Aerospace Corporation, Canada; Mark Hempsell , Hempsell Astronautics Limited, United Kingdom;*

IAC-17.B3.6-A5.3.1
Project Moonwalk: lessons learnt from testing human robot collaboration scenarios in a lunar and Martian simulation
Anna Barbara Imhof, Liquifer Systems Group (LSG), Austria

IAC-17.B3.6-A5.3.2
DEEP SPACE EXPLORATION ROBOTICS FOR IMPROVED CAPABILITY, UTILIZATION, AND FLEXIBILITY ON A CISLUNAR HABITAT
Richard Rembala, MDA, Canada

IAC-17.B3.6-A5.3.3
pioneering steps towards future human-robotic operations performance
Shahrzad Hosseini, European Space Agency (ESA), The Netherlands

IAC-17.B3.6-A5.3.4
RESEARCH ON OBJECT DETECTION INSPIRED BY VISUAL PERCEPTUAL BASED ON EVA
ZHANG Juli, Xi'an Microelectronics Technology Institute, CASC, China

IAC-17.B3.6-A5.3.5
ROBOTIZED COSMONAUTICS
Aleksei Bogdanov, OJSC "SPA "Orbital systems", Russian Federation

IAC-17.B3.6-A5.3.6
Human Spaceflight Robotic Medical First Responder
Rahul Gomes, North Dakota State University, United States

IAC-17.B3.6-A5.3.7
Characterization of the wheel-terrain interaction for planetary rover wheels
Giancarlo Genta, Politecnico di Torino, Italy

IAC-17.B3.6-A5.3.8
Experiment research on human-in-loop space teleoperation with multifunctional structure
Caizhi Fan, National University of Defense Technology, China

IAC-17.B3.6-A5.3.9
Drones with Stereo Vision and Robotic Arms for Assisting Astronauts: A Patent Landscape and Visualization Analysis
Arun Subramanian Venkataraman, , India

B3.7. Advanced Systems, Technologies, and Innovations for Human Spaceflight

September 29 2017, 09:00 — City Room 3

Co-Chair(s): *Juergen Schlutz , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany; Sebastien Barde , Centre National d'Etudes Spatiales (CNES), France;*
Rapporteur(s): Gi-Hyuk Choi , Korea Aerospace Research Institute (KARI), Korea, Republic of;

IAC-17.B3.7.1 (non-confirmed)
Orion European Service Module Ready for Delivery
Markus Jäger, Airbus Defence & Space, Space Systems, Germany

IAC-17.B3.7.2
Design Status of the Life Support Rack ACLS for Accommodation on the ISS and Beyond
Klaus Bockstahler, Airbus Defence & Space, Space Systems, Germany

IAC-17.B3.7.3
Joint International Exploration Concepts
Matthew Duggan, The Boeing Company, United States

IAC-17.B3.7.4 (non-confirmed)
terminal sliding mode control and vibration suppression of flexible joint manipulator of the space station with elastic foundation
Jie Liang, , China

IAC-17.B3.7.5
Self-cleaning Spacesuits for Future Planetary Missions Using Carbon Nanotube Technology
Kavya K. Manyapu, The Boeing Company, United States

IAC-17.B3.7.6
next-generation human extravehicular spaceflight operations support systems development
Matthew Miller, Georgia Institute of Technology, United States

IAC-17.B3.7.7
Research on the Conceptual Design of the TSTO Commercial Crewed Space Plane Powered by TRRE
Jian Guo, Beijing Institute of Aerospace Technology, China

IAC-17.B3.7.8
Mycelium Composites: The 'Prima Materia' for Design in Aerospace and Outer Space
Nicole Asselin, North Carolina State University, United States

IAC-17.B3.7.9
A New Principle Design of Artificial Gravity Space Vehicle Driving by Electromagnetic Liquid Loop
CHAOZHEN LIU, Shanghai Institute of Spaceflight Control Technology, China

IAC-17.B3.7.10
Provisioning the naked astronaut with bounty on Mars using robotic self-replicators
Alex Ellery, Space Exploration and Engineering Group, Carleton Univeristy, Canada

B3.8-E7.7. Joint IAF-IISL Session on the Legal Framework for Collaborative Space Activities

September 29 2017, 11:00 — City Room 3

Co-Chair(s): *Elina Morozova , Intersputnik International Organization of Space Communications, Russian Federation; Mark Sundahl , Cleveland State University, United States;*
Rapporteur(s): *Maria A Pozza , Lane Neave Lawyers, New Zealand;*

IAC-17.B3.8-E7.7.1
International Governance of the Dangers from Near Earth Objects
Paul Larsen, Georgetown University Law Center, United States

IAC-17.B3.8-E7.7.2
international cooperation as the main focus of the modernized russian space industry
Olga Volynskaya, ROSCOSMOS, Russian Federation

IAC-17.B3.8-E7.7.3
International Cooperation in Space Activities in Europe, the Ariane 6 project example
Caroline Thro, , France

IAC-17.B3.8-E7.7.4
FAA International Workshops on Commercial Space Transportation
John Sloan, Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States

IAC-17.B3.8-E7.7.6
looking at a global plan to monitor emissions using satellite technology: institutions and cooperation mechanisms
Timiebi Aganaba-Jeanty, Centre for International Governance Innovation (CIGI), Canada

IAC-17.B3.8-E7.7.7
COSPAR's Planetary Protection Policy: Updating a Consensus Standard
John D. Rummel, SETI Institute, United States

IAC-17.B3.8-E7.7.8
An examination of the major space cooperation agreements between States as models for the development of similar agreements for international joint ventures on other celestial bodies
Anton Alberts, , South Africa

IAC-17.B3.8-E7.7.9 (non-confirmed)
Sovereignty and Self-Determination beyond Atmo: The Need for International Cooperation in Interstellar Relations
D. Wes Rist, , United States

IAC-17.B3.8-E7.7.10
The Principle of Cooperation and Mutual Assistance and the Commercial Exploration of Outer Space: How to Reach a Balance?
Alvaro Fabricio Dos Santos, Advocacy General of the Union - AGU, Brazil

B3.9-GTS.2. Human Spaceflight Global Technical Session

September 27 2017, 14:45 — Riverbank 2

Co-Chair(s): Andrea Jaime , OHB System AG - Munich, Germany; Guillaume Girard , Zero2infinity, Spain;

IAC-17.B3.9-GTS.2.9
Phobos Base: concept of operations and architecture for a permanent human presence on the Martian moon Phobos
Davide Conte, The Pennsylvania State University, United States

IAC-17.B3.9-GTS.2
What does public thinks about space? The main findings of public's approach to the manned Moon and Mars missions and their implications to human space exploration
Lucie Davidová, Faculty of Arts, Charles University, Czech Republic

IAC-17.B3.9-GTS.2
Review of Significant Incidents and Close Calls in Human Spaceflight from a Human Factors Perspective
Jackelynne Silva-Martinez, NASA Johnson Space Center, United States

IAC-17.B3.9-GTS.2
"ASTRONAUT 2.0": CONNECTING THE PHYSICAL AND SOCIAL PERCEPTIONS ON HUMAN IDENTITY, FORM AND FUNCTION IN SPACE TO DEFINE THE PARAMETERS OF SPACE FARING INDIVIDUALS
Sarah Jane Pell, ESA Topical Team Art & Science [ETTAS], Australia

IAC-17.B3.9-GTS.2
ASI Science on ISS - The 2017 VITA Mission
Sara Piccirillo, Italian Space Agency (ASI), Italy

B4. 24th IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS

Coordinator(s): *Alex da Silva Curiel , Surrey Satellite Technology Ltd (SSTL), United Kingdom; Rhoda Shaller Hornstein , , United States;*

B4.1. 18th Workshop on Small Satellite Programmes at the Service of Developing Countries

September 26 2017, 09:45 — Panorama Room 1

Co-Chair(s): *Sias Mostert , Space Commercial Services Holdings (Pty) Ltd, South Africa; Werner R. Balogh , United Nations Office for Outer Space Affairs, Austria;*
Rapporteur(s): *Danielle Wood , , United States; Pierre Molette, France; Sergei Chernikov , United Nations Office for Outer Space Affairs, Austria;*

IAC-17.B4.1.1
Identifying Global Capacity Building Needs: Cansat/Cubesat Activities for Capacity Building in Basic Space Technology Development
Werner R. Balogh, United Nations Office for Outer Space Affairs, Austria

IAC-17.B4.1.2
small satellite constellations – the link to economic development and the sustainable development agenda
Francois Denner, Space Commercial Services, South Africa

IAC-17.B4.1.3
Exploring Small Satellites for the Advancement of Sustainable Development Goals
Narayan Prasad Nagendra, Dhruva Space, India

IAC-17.B4.1.4
Lessons learned from three decades of collaborative space mission capacity building projects
Alex da Silva Curiel, Surrey Satellite Technology Ltd (SSTL), United Kingdom

IAC-17.B4.1.5
Changing the Paradigm of Developing Countries Space Program: Lean Satellite Project as a Pragmatic Option
Taiwo Raphael Tejumola, Laboratory of Spacecraft Environment Interaction Engineering ,Kyushu Institute of Technology, Japan

IAC-17.B4.1.6
Small Sats, big shift.
Conrad Pires, International Spacde University, Australia

IAC-17.B4.1.8
AlSat-Nano: Knowledge Transfer to Operations Partnership
Ben Taylor, Surrey Space Centre, University of Surrey, United Kingdom

IAC-17.B4.1.10
the impact of the sudanese 1st cubesat project, kn-sat1
Yasir ABBAS, , Sudan

IAC-17.B4.1.11
Project Irazu: Advances of a Store & Forward CubeSat Mission for Environmental Monitoring of Costa Rica.
Marco Gomez Jenkins, Costa Rica Institute of Technology (ITCR), Costa Rica

IAC-17.B4.1.12
From IKUNS to 1KUNS - First Kenyan University Nanosatellite
Lorenzo Frezza, Sapienza - University of Rome, Italy

IAC-17.B4.1.13
The Review of Satellite Technology Development in Indonesian Space Agency Based on Technical Publications Made in 2011-2016
Robertus Triharjanto, Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia

B4.2. Small Space Science Missions

September 25 2017, 15:15 — Panorama Room 1

Co-Chair(s): *Larry Paxton , The Johns Hopkins University Applied Physics Laboratory, United States; Stamatios Krimigis , The Johns Hopkins University Applied Physics Laboratory, United States;*

IAC-17.B4.2.1
HaloSat - Soft X-ray Surveor -
Ikuyuki Mitsuishi, Nagoya University, Japan

IAC-17.B4.2.2
A Nanosatellite Mission Concept for Optical SETI
Hakan Kayal, University Wuerzburg, Germany

IAC-17.B4.2.3
Ionosphere studies from cubesats: INSPIRESat-1, a 3U cubesat carrying the Compact Ionosphere Probe.
Amal Chandran, Laboratory for Atmospheric and Space Physics (LASP) at University of Colorado, United States

IAC-17.B4.2.4
Effect of Langmuir Probe Measurements on the Spacecraft Potential of Small Spacecraft
Omar Leon, University of Michigan, United States

IAC-17.B4.2.5
The QB50 Mission for the Investigation of the Mid-Lower Thermosphere: Preliminary Results and Lessons Learned
Davide Masutti, von Karman Institute for Fluid Dynamics, Belgium

IAC-17.B4.2.6
DST Group and UNSW Canberra Buccaneer Programme
Douglas Griffin, University of New South Wales ADFA, Australia

IAC-17.B4.2.7
URSAMAIOR: a 3U nano-satellite for scientific and technological research
Lorenzo Arena, University of Rome "La Sapienza", Italy

IAC-17.B4.2.8
A CubeSat Sensor Platform for Atmospheric Entry Aerothermodynamics
McClain Goggin, Purdue University, United States

IAC-17.B4.2.9
Optical Quantum Technology in Space using Small Satellites
Merlin F. Barschke, Technische Universität Berlin, Germany

B4.3. Small Satellite Operations

September 26 2017, 14:45 — Panorama Room 1

Co-Chair(s): *Andreas Hornig , University of Stuttgart, Germany; Helen Walker , STFC, United Kingdom;*
Rapporteur(s): *Norbert Lemke , OHB System AG, Germany;*

IAC-17.B4.3.1
CYGNSS Operations: Managing a constellation of 8 micro-satellites in Low Earth Orbit
Jillian Redfern, Southwest Research Institute, United States

IAC-17.B4.3.2
Potential new allocations to small satellite TT&C and regulatory status of small satellites
Martin Buscher, Technische Universität Berlin, Germany

IAC-17.B4.3.3
Analysis of the communication anomaly during e-st@r-2 mission operations
Sabrina Corpino, Politecnico di Torino, Italy

IAC-17.B4.3.6
Effective Continuous Transmission Scheme for Bandwidth limited Satellite Applications
Manfred Ehresmann, Institute of Space Systems, Universität Stuttgart, Germany

IAC-17.B4.3.7
TECHNICAL CAPABILITIES OF SDR BASED GROUND STATION FOR MULTI-SATELLITE COMMUNICATIONS
Ghulam JAFFER, University of the Punjab, Pakistan

IAC-17.B4.3.8
Advances in Modulation and Communication Protocols for Small Satellite Ground Stations
Alexander Kleinschrodt, University Wuerzburg, Germany

IAC-17.B4.3.9
Intensive Care for Premature Satellites
Tobias Lesch, German Aerospace Centre (DLR), Germany

IAC-17.B4.3.10
Onboard autonomous management system of SPARK Earth observation microsatellites
Rui Xu, Beijing Institute of Technology, China

IAC-17.B4.3.11
Communication architecture and operation strategies for the electrically propelled CubeSat and re-entry capsule system CAPE
Andreas Hornig, University of Stuttgart, Germany

IAC-17.B4.3.12
SmallSat Navigation via the Deep Space Network, Part I: Lunar Transport
Jeffrey Stuart, Jet Propulsion Laboratory - California Institute of Technology, United States

IAC-17.B4.3.13
SONATE - A Nanosatellite for Autonomy
Hakan Kayal, University Wuerzburg, Germany

IAC-17.B4.3.14
GOMX-4B, the most advance nanosatellite for IOD purposes
Laura León Pérez, GomSpace ApS, Denmark

B4.4. Small Earth Observation Missions

September 27 2017, 09:45 — Panorama Room 1

Co-Chair(s): *Larry Paxton , The Johns Hopkins University Applied Physics Laboratory, United States;*
Rapporteur(s): *Carsten Tobehn , European Space Agency (ESA), The Netherlands;*

IAC-17.B4.4.1
Technological Experiments on the DLR-BIROS Satellite for the Next Generation of Earth Observation Missions
Winfried Halle, DLR (German Aerospace Center), Germany

IAC-17.B4.4.2
One year of BEESAT-4 operation: Long-term analysis of housekeepings, GPS and attitude control data
Sascha Weiss, TU Berlin, Germany

IAC-17.B4.4.3
The Australian INSPIRE-2 / AU03 CubeSat for the QB50 Project
Iver Cairns, University of Sydney, Australia

IAC-17.B4.4.4
Images from nSight - a 2U Earth Observation and atmospheric science CubeSat
Francois Malan, Space Commercial Services, South Africa

IAC-17.B4.4.5
The case for Video Imaging from space
Alex da Silva Curiel, Surrey Satellite Technology Ltd (SSTL), United Kingdom

IAC-17.B4.4.6
Design considerations in rapid-revisit small satellite constellations
Rachel Bird, Surrey Satellite Technology Ltd (SSTL), United Kingdom

IAC-17.B4.4.8
In-orbit demonstration of a miniaturised hyperspectral instrument with onboard high-level data processing
Chris van Dijk, Cosine Research BV, The Netherlands

IAC-17.B4.4.9
RAAF – M1: UNSW Canberra – Royal Australian Air Force Space Situational Awareness and ISR Pathfinder Mission
Simon Barraclough, UNSW Australia, Australia

IAC-17.B4.4.10
SuperView-1 01/02: A Pair of 0.5m resolution Remote Sensing Satellites with Excellent Image Quality, Multi-imaging Modes, and High Agile Ability for the Commercial Application
Zhiming Zhao, DFH Satellite Co. Ltd., China

IAC-17.B4.4.11
A UK-South African Partnership & and a Novel Approach to Wildfire Detection in the Southern African Region
Pamela Anderson, Clyde Space Ltd, United Kingdom

IAC-17.B4.4.12
A Mission Design for GNSS RO/R Microsatellite Constellation
Guey-Shin Chang, National Space Organization, Taiwan, China

B4.5. Access to Space for Small Satellite Missions

September 27 2017, 14:45 — Panorama Room 1

Co-Chair(s): *Alex da Silva Curiel , Surrey Satellite Technology Ltd (SSTL), United Kingdom; Philip Davies , Deimos Space UK Ltd, United Kingdom;*
Rapporteur(s): *Jeffery Emdee , The Aerospace Corporation, United States;*

IAC-17.B4.5.1
Facility for Australian Space Testing (FAST) on the International Space Station - An Opportunity for Small Scientific and Educational Programs
Patrick Neumann, Space Industry Association of Australia, Australia

IAC-17.B4.5.2
New Zealand Enters the Commercial Small Satellite Sector: Challenges and Affordability
Maria A Pozza, Lane Neave Lawyers, New Zealand

IAC-17.B4.5.3
NASA's Space Launch System: SmallSat Deployment to Deep Space
Kimberly Robinson, National Aeronautics and Space Administration (NASA)/Marshall Space Flight Center, United States

IAC-17.B4.5.4
LAUNCH OPPORTUNITIES AND PACKAGE SOLUTION
Mila Savelyeva, JSC Glavcosmos, Russian Federation

IAC-17.B4.5.5
The changing launcher landscape – a review of the launch market for small satellites
Alex da Silva Curiel, Surrey Satellite Technology Ltd (SSTL), United Kingdom

IAC-17.B4.5.6
Vertical Launch of Small Satellites from the UK
Philip Davies, Deimos Space UK Ltd, United Kingdom

IAC-17.B4.5.8
the non-pyrotechnic door release mechanism applied to multi-satellites launching
Jiaolong Zhang, Northwestern Ploytechnical University, China

IAC-17.B4.5.9
Finding NewSpace Utilizing LOTUS: Lander/Orbiter Trans-Upper Stage
Chrishma Singh-Derewa, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.B4.5.10
Predicting Transmissibility of Rail-Type CubeSat Deployers with Isolation
David Pignatelli, California Polytechnic State University, United States

IAC-17.B4.5.12
Structure of Payload Fairing and Adapter for Launching Multiple Satellites in One Mission
Qian Xu, China Academy of Launch Vehicle Technology, China

IAC-17.B4.5.13
Atmospheric reentry stability analysis of the space vehicle SARA
ELCIO JERONIMO DE OLIVEIRA, Institute of Aeronautics and Space (IAE), Brazil

B4.6A. Generic Technologies for Small/Micro Platforms

September 28 2017, 09:45 — Panorama Room 1

Co-Chair(s): *Jian Guo , Delft University of Technology (TU Delft), The Netherlands; Philip Davies , Deimos Space UK Ltd, United Kingdom;*

IAC-17.B4.6A.1
ALL-ELECTRIC MINI-PLATFORM AND VERY-LEO HI-RES CONSTELLATION
Vincenzo Stanzione, Sitael Spa, Italy

IAC-17.B4.6A.2
Application of Plug-and-Play Integrated Micro-Propulsion System for Micro-Satellite Based on Additive Material Manufacturing
Liu Yiwei, , China

IAC-17.B4.6A.3
Integrating a large nanosatellite from CubeSat components – Challenges and solutions
Clemens Horch, Fraunhofer EMI, Germany

IAC-17.B4.6A.4
A low cost self-powered wireless attitude sensor for CubeSats
Miao Feng, Shaanxi Engineering Laboratory for Microsatellites, Northwestern Polytechnical University, China

IAC-17.B4.6A.5
The development of a passive de-orbit subsystem for small and micro satellites
Thomas Sinn, HPS GmbH, Germany

IAC-17.B4.6A.7
a newly androgynous design of soft docking mechanism for micro/ small satellites
Xiang Zhang, College of Aerospace Science and Engineering, National University of Defense Technology, China

IAC-17.B4.6A.9
A Redundant and Integrated Avionics for 12U CubeSat
Guanghui Liu, Northwestern Polytechnical University, China

IAC-17.B4.6A.10
Micro- and Nano- Re-entry Spacecraft Technology Developments
Sean Tuttle, UNSW Australia, Australia

IAC-17.B4.6A.11
on-ground verification of attitude control system for 50-kg-class microsatellites using a hardware-in-the-loop-simulator
Shinya Fujita, Tohoku University, Japan

IAC-17.B4.6A.12
Scalability and Modularity as Dimensions of Flexibility of a Microsatellite Platform
Michael Jetzschmann, German Aerospace Center (DLR), Germany

B4.6B. Generic Technologies for Nano/Pico Platforms

September 28 2017, 14:45 — Panorama Room 1

Co-Chair(s): *Joost Elstak , Airbus Defence and Space Netherlands, The Netherlands; Zeger de Groot , Innovative Solutions in Space BV, The Netherlands;*
Rapporteur(s): *Andy Vick , RAL Space, United Kingdom;*

IAC-17.B4.6B.1
STARS-Elevator Mission Plan for Tether Deployment and Climber Translation
Masahiro Nohmi, Shizuoka University, Japan

IAC-17.B4.6B.2
Managing high thermal loads in small satellites - Analysis, design, and verification of a 3D-printed radiator
Max Gulde, Fraunhofer EMI, Germany

IAC-17.B4.6B.3
Development and Testing of New Thin-Film Solar Cell (TFSC) Technology: Flight Results from the AlSAT-1N TFSC Payload
Craig Underwood, Surrey Space Centre, University of Surrey, United Kingdom

IAC-17.B4.6B.4
The Exo-Brake As A De-Oribt Mechanism: Analysis and Recent Flight Experience through SOAREX and TechEdSat Flight Tests
Ali Guarneros Luna, NASA, United States

IAC-17.B4.6B.5
Design and test of World's smallest satellite reaction wheel
Tom Vergoossen, Delft University of Technology (TU Delft), The Netherlands, The Netherlands

IAC-17.B4.6B.6
Highly integrated communications, power management, and attitude determination and control side panel for CubeSats
Sebastian Grau, Technische Universität Berlin, Germany

IAC-17.B4.6B.7
A Picosatellite Swarm for Technology Demonstration
Frank Baumann, Technische Universität Berlin, Germany

IAC-17.B4.6B.8
AMMEQ-1: A 3U Cubesat System Design for Technology Demonstration of QKD
EuGene Kim, University of Sydney, Australia

IAC-17.B4.6B.9
Development of a functional electroplated thermoplastic satellite structure for cubesats
Barnaby Osborne, International Space University (ISU), France

IAC-17.B4.6B.10
In-Orbit Database and Distributed Computing based on Tiny 2 Language
Slavi Dombrovski, Zentrum für Telematik, Germany

IAC-17.B4.6B.12
an innovative modularized smartphone satellite with foldable configuration
Chunlin Gong, Northwestern Polytechnical University,NPU, China

IAC-17.B4.6B.13
Gene Expression Measurement Module (GEMM)- the door to high-throughput in-situ analyses of biological systems.
Fathi Karouia, NASA ARC/UCSF, United States

IAC-17.B4.6B.14
duplicated voting processors for the low cost radiation hardening of computers
Sebastian Cline, , Canada

IAC-17.B4.6B.15
Thermoelectric generation for a self-powering autonomous sensor in a small satellite
Jorge Machin Llanos, Delft University of Technology (TU Delft), The Netherlands

B4.7. Highly Integrated Distributed Systems

September 29 2017, 11:00 — Panorama Room 1

Co-Chair(s): *Michele Grassi , University of Naples "Federico II", Italy; Rainer Sandau , International Academy of Astronautics, Germany;*
Rapporteur(s): *Jaime Esper , National Aeronautics and Space Administration (NASA), United States; Marco D'Errico , Seconda Universita' di Napoli, Italy;*

IAC-17.B4.7.2
Lean Hardware Update Process for a Modular Satellite Platform
Stefan Junk, Technische Universität Berlin, Germany

IAC-17.B4.7.3
a design of femto-satellite for space distributed collaborative measurement
Lei Yang, , China

IAC-17.B4.7.4
A reliable and energy efficient network topology control strategy for cooperative work in multi-layered satellite cluster networks
Qing Chen, Research Center of Satellite Technology, Harbin Institute of Technology, China

IAC-17.B4.7.5
Real time detection system for MDA with hyperspectral camera mounted small satellites
Daiki Nakaya, , Japan

IAC-17.B4.7.6
Leveraging software-defined small satellites in cost effective constellations
Alex da Silva Curiel, Surrey Satellite Technology Ltd (SSTL), United Kingdom

IAC-17.B4.7.7
Robust Trajectory Planning for Multiple Spacecraft with Electric Propulsion
Yaohua Guo, Northwestern Ploytechnical University, China

IAC-17.B4.7.8
Integrated SmallSats and Unmanned Vehicles for Networking in Remote Locations
Roger Birkeland, Norwegian University of Science and Technology, Norway

IAC-17.B4.7.9
Integrated framework for high fidelity simulation of distributed systems of satellites and ground vehicles
Andreas Freimann, University Wuerzburg, Germany

IAC-17.B4.7.10
Decentralized Control of Swarm of Nanosatellites with Communication Restrictions using Aerodynamic Forces
Danil Ivanov, Keldysh Institute of Applied Mathematics, RAS, Russian Federation

IAC-17.B4.7.12
Nanosatellite Platform Considerations for Machine-to-Machine Communications Applications:
Peter Anderson, Clyde Space Ltd, United Kingdom

B4.8. Small Spacecraft for Deep-Space Exploration

September 29 2017, 09:00 — Panorama Room 1

Co-Chair(s): *Leon Alkalai , National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States; Rene Laufer , Baylor University / University of Cape Town, United States;*

IAC-17.B4.8.1
Low-Cost Small Spacecraft to Explore the Edge of the Solar System
Jordi Puig-Suari, California Polytechnic State University, United States

IAC-17.B4.8.2
LUCIANUS: a lunar CubeSat mission for Moon and deep space exploration
Paolo Lunghi, Politecnico di Milano, Italy

IAC-17.B4.8.3
“Deep-Space CubeSats on Exploration Mission One”
Christopher Moore, National Aeronautics and Space Administration (NASA), United States

IAC-17.B4.8.4
Development of telecommunication systems and ground support for EM-1 interplanetary CubeSats missions: Lunar IceCube and LunaH-Map
Alessandra Babuscia, Jet Propulsion Laboratory - California Institute of Technology, United States

IAC-17.B4.8.5
Near Earth Asteroid Scout: NASA’s Solar Sail Mission to a NEA
Les Johnson, National Aeronautics and Space Administration (NASA)/Marshall Space Flight Center, United States

IAC-17.B4.8.7
Low-cost asteroid mining using small spacecraft
Pablo Calla, International Space University (ISU), France

IAC-17.B4.8.8
Companion NanoSat for Mars Moon Exploration Missions
Alexander Pfaff, , Germany

IAC-17.B4.8.9
Experimental design of small practical Mars rotorcraft
Graham Mann, Murdoch University, Australia

IAC-17.B4.8.10
nacomi - a communication system study for interplanetary nanosatellites
Rebecca Axén, Julius Maximilians Universität Würzburg, Germany

IAC-17.B4.8.11
Design Considerations for Deep Space CubeSat Deployment Systems
David Pignatelli, California Polytechnic State University, United States

B4.9-GTS.5. Small Satellite Missions Global Technical Session

September 26 2017, 14:45 — Riverbank 2

Co-Chair(s): Alex da Silva Curiel , Surrey Satellite Technology Ltd (SSTL), United Kingdom; Rhoda Shaller Hornstein , , United States;

IAC-17.B4.9-GTS.5.1
KEYNOTE: Small satellites: an initiative and a continuous support by the IAA
Pierre Molette, , France

IAC-17.B4.9-GTS.5.3
birds project: development and operation summary of a cubesat constellation project
Maisun Ibn Monowar, LaSEINE, Kyushu Institute of Technology, Japan

IAC-17.B4.9-GTS.5.4
A CubeSat Costellation for Maritime Surveillance
Antonella Simonetti, OHB Italia SpA, Italy

IAC-17.B4.9-GTS.5.6
Reconstruction of the Earth Orbit Parameters from A Miniaturized Temperature Sensor Onboard the Delfi-C3 CubeSat
Lorenzo Pasqualetto Cassinis, TU Delft, The Netherlands

IAC-17.B4.9-GTS.5.7
Nanosatellite Vibration Test Equipment
Victor Romero, Image Processing Research Laboratory (INTI-Lab). Universidad de Ciencias y Humanidades - UCH, Peru

IAC-17.B4.9-GTS.5.8
Design and Development of a Three-axis Controlled Helmholtz Cage as an in-house Magnetic Field Simulator for CubeSats.
Tushar Goyal, Birla Institute of Technology and Science(BITS)-Pilani, India

IAC-17.B4.9-GTS.5.9
Spire's story
Megan Kane, Spire Global, Inc., United States

IAC-17.B4.9-GTS.5.10
A Review of De-orbit Techniques for the Advancement of On-Orbit Manufacturing
Ali Guarneros Luna, NASA, United States

B4.10-A6.10. Joint Small Satellite/Space Debris Session to promote the long-term sustainability of space

September 29 2017, 11:00 — Hall E2

Co-Chair(s): *Alex da Silva Curiel , Surrey Satellite Technology Ltd (SSTL), United Kingdom; Daniel Oltrogge , Analytical Graphics, Inc., United States; Rene Laufer , Baylor University / University of Cape Town, United States;*
Rapporteur(s): *Christian Cazaux , Centre National d'Etudes Spatiales (CNES), France;*

IAC-17.B4.10-A6.10.1
Norms of Behavior for Small Satellite Operations - Basic Principles
Brian Weeden, Secure World Foundation, United States

IAC-17.B4.10-A6.10.2
To launch or not to launch - responsibilities of small satellites for a sustainable space environment
Jonas Radtke, Technische Universität Braunschweig, Germany

IAC-17.B4.10-A6.10.3
Examination of Constellation Deployments Relative to Debris Mitigation: The Rest of the Story…
Darren McKnight, Integrity Applications Incorporated (IAI), United States

IAC-17.B4.10-A6.10.4
Mega-constellations vulnerability assessment
Lorenzo Olivieri, CISAS – “G. Colombo” Center of Studies and Activities for Space, University of Padova, Italy

IAC-17.B4.10-A6.10.7
MAXIMIZING POST MISSION DISPOSAL OF MEGA CONSTELLATIONS SATELLITES REACHING END OF OPERATIONAL LIFETIME
Miki Ito, ASTROSCALE JAPAN Inc., Japan

IAC-17.B4.10-A6.10.8
LEDSAT: in-orbit demonstration mission for LED-based cluster launch early identification and improved LEO surveillance
Alice Pellegrino, Sapienza - University of Rome, Italy

IAC-17.B4.10-A6.10.9
EOL Operations of the D-SAT Satellite: an In-Orbit Demonstration of Satellite Controlled Re-entry
Alessio Fanfani, D-Orbit, Italy

IAC-17.B4.10-A6.10.11
Design of a Rigid Boom Electro Dynamic/ Drag-Sail (RBEDDS) Hybrid Deorbiting System
Alexandru Cornogolub, Surrey Space Centre, University of Surrey, United Kingdom

IAC-17.B4.10-A6.10.12
Autonomy and Operational Concept for Self-Removal of Spacecraft: Status detection, removal triggering and passivation.
Alexandra Wander, Universität der Bundeswehr München, Germany

B5. SYMPOSIUM ON INTEGRATED APPLICATIONS

Coordinator(s): Larry Paxton , The Johns Hopkins University Applied Physics Laboratory, United States; Roberta Mugellesi-Dow , European Space Agency (ESA), United Kingdom;

B5.1. Tools and Technology in Support of Integrated Applications

September 29 2017, 09:00 — Meeting Room L3

Co-Chair(s): *Carsten Tobehn , European Space Agency (ESA), The Netherlands; Larry Paxton , The Johns Hopkins University Applied Physics Laboratory, United States; Roberta Mugellesi-Dow , European Space Agency (ESA), United Kingdom;*
Rapporteur(s): *David Y. Kusnierkiewicz , The John Hopkins University, United States;*

IAC-17.B5.1.1
Business case development for precision agriculture applications using UAV and space borne platforms.
Maria de Roche, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland

IAC-17.B5.1.2
A fuzzy logic controller with Internet of Things (IoT) capabilities and COTS components for monitoring and mitigation climate change effects on sensible tropical crops
Arys Carrasquilla-Batista, Instituto Tecnológico de Costa Rica, Costa Rica

IAC-17.B5.1.3
Space for maritime surveillance: myth, reality of future?
Olivier Autran, Thales Alenia Space, France

IAC-17.B5.1.4
The Future of Internet of Things and their Applicability to Space
Arif Goktug Karacalioglu, International Spacde University, France

IAC-17.B5.1.5
Scope of Space Technologies in Internet of Things (IoT) Applications
Arun Subramanian Venkataraman, , India

IAC-17.B5.1.6
Spatio-Temporal based Framework for Video Retrieval System
Tahir Mushtaq, University of Management and Technology (UMT), Pakistan

IAC-17.B5.1.7
Site Suitability Analysis for Philippine Earth Observation Ground Station
Jara Kaye Villanueva, , The Philippines

IAC-17.B5.1.8
a new image feature recognition method based on space vehicle surface feature
HAO CHEN, , China

IAC-17.B5.1.9
the study of aerospace intelligent manufacturing in industry 4.0
Qi Zheng, , China

IAC-17.B5.1.10
advanced ground surface deformation mointer system with space technology
Jian Xu, Space Advanced Research Team, The Netherlands

IAC-17.B5.1.12
Time Synchronization for Payload of Chinese Space Station using GPS and Fiber Channel Network
Wei Wei, University of Chinese Academy of Sciences; Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences, China

B5.2. Integrated Applications End-to-End Solutions

September 28 2017, 14:45 — Meeting Room L3

***Co-Chair(s): Boris Penne , OHB System AG, Germany; Roberta** Mugellesi-Dow , European Space Agency (ESA), United Kingdom;*
***Rapporteur(s):** Yuval Brodsky , tinTree International eHealth, South Africa;*

IAC-17.B5.2.1 (non-confirmed)
Global Freshwater - Hazard Pollution Monitoring (GF-HPM) for real-tirne Contamination Detection
Dan Cohen, ISU, Israel

IAC-17.B5.2.3
HAVOC – High Altitude Vehicle Observations Constellation: An Innovative Approach to Guarding Frontiers
Larry Paxton, The Johns Hopkins University Applied Physics Laboratory, United States

IAC-17.B5.2.4
How can Sentinel-2 images assist humanitarian actions to help reduce calamities on the sea?
Ursa Kanjir, , Slovenia

IAC-17.B5.2.6
SAFIY: Feature Extraction using High Resolution Satellite Imagery for the United Arab Emirates
Meera AlShamsi, Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates

IAC-17.B5.2.7
Drones for Remote Sensing: Analysis of Current and Future Applications
Jason Kokotailo, , Canada

IAC-17.B5.2.11 (non-confirmed)
Geospatial Database for Natural Resources Management in the State of Karnataka, India B. P. Lakshmikantha, D.K. Prabhuraj & K. Ashoka Reddy Karnataka State Remote Sensing Applications Centre, Maj. Sandeep Unnikrishnan Rd, D.bettahalli,
Bidarakere Puttakariyappa Lakshmikantha, KSRSAC, India

IAC-17.B5.2.12
data exchange satellite constellation, an interpersonal and m2m communication solution provider, our slogan is we are always online
Mu Jia, China Great Wall Industry Corporation, China

B6. SPACE OPERATIONS SYMPOSIUM

Coordinator(s): John Auburn , RHEATECH Ltd, United Kingdom; Otfrid Liepack , National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States;

B6.1. Ground Operations - Systems and Solutions

September 25 2017, 15:15 — City Room 4

Co-Chair(s): Mario Cardano , Thales Alenia Space France, Italy; Michael McKay , European Space Agency (ESA), Germany; Rapporteur(s): Hegyi Akos , Airbus D&S, France;

IAC-17.B6.1.1
Planning missions for large constellations
Jason Held, , Australia

IAC-17.B6.1.2
Automated Procedure Based Operations for the European Data Relay System
Jan-Christoph Scharringhausen, DLR (German Aerospace Center), Germany

IAC-17.B6.1.3
A Cutting-Edge Progressive Web Application for Satellite Mission Operations
Wei Ting Loke, National University of Singapore, Singapore, Republic of

IAC-17.B6.1.4
Blackbox to Open Innovation: Experience in self learning in developing its own satellite control system - the VOSSCA
Sutee Chusri, Geo-Informatics and Space Technology Development Agency (Public Organization), Thailand

IAC-17.B6.1.7
Nothing to go wrong: Establishing satellite ground stations in remote places
Robin McNeill, Venture Southland, New Zealand

IAC-17.B6.1.8
Managing frequency conjunction from polar orbiting satellites
Arne Nylund, Kongsberg Satellite Services AS, Norway

IAC-17.B6.1.10
SDR BASED AUTONOMOUS REMOTE GROUND STATION FOR LEO AMATEUR SATELLITES
Ghulam JAFFER, University of the Punjab, Pakistan

IAC-17.B6.1.11
Growing with an aim: from a very specialized Mission Support Center to a Multipurpose Infrastructure ready for the future
Cesare Capararo, Altec S.p.A., Italy

IAC-17.B6.1.12 (non-confirmed)
The Amazonia-1 Satellite's Ground Segment - Challenges for implementation of the Space Link Extension Protocol Services.
Antonio Cassiano Julio Filho, Instituto Nacional de Pesquisas Espaciais (INPE), Brazil

B6.2. New Operations Concepts, Advanced Systems and Commercial Space Operations

September 28 2017, 14:45 — City Room 4

Co-Chair(s): Pierre Lods , Centre National d'Etudes Spatiales (CNES), France; Thomas Kuch , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;
Rapporteur(s): Keiichiro Sakagami , Japan Manned Space Systems Corporation (JAMSS), Japan;

IAC-17.B6.2.1
Space Robots - A Fully autonomous nanosatellite constellation
Meidad Pariente, Sky and Space Global, United Kingdom

IAC-17.B6.2.2
autonomous mission operation onboard nano-satellite sonate
Harald Wojtkowiak, University Wuerzburg, Germany

IAC-17.B6.2.3
Monitoring and control of the NetSat formation: concepts and tools for operations of multi-satellite systems
Tiago Nogueira, Zentrum für Telematik, Germany

IAC-17.B6.2.4 (non-confirmed)
Goal-oriented autonomous functions for 'on-demand' satellite operations
Toshihiro Obata, Department of Engineering ,The University of Tokyo , Japan

IAC-17.B6.2.5
microscope operations: how to implement collision avoidance on a non-maneuvering satellite
Sonia AIT ZAID, Centre National d'Etudes Spatiales (CNES), France

IAC-17.B6.2.6
The different roles of the DLR German Space Operations Center in recent Laser Communication Projects
Gregor Rossmanith, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.B6.2.7
Adaptive operational concepts for future space missions
Jan Harder, Technical University of Munich, Germany

IAC-17.B6.2.8
quick collaborative response platform for opportunity science events
Bai Meng, CSSAR/CAS, China

IAC-17.B6.2.10
Deep learning for event detection: autonomous operations for interplanetary missions
Lorenzo Feruglio, Politecnico di Torino, Italy

IAC-17.B6.2.11
Concept, architecture and simulation considerations for a cognitive recovery unit on-board interplanetary spacecraft
Alexandra Wander, Universität der Bundeswehr München, Germany

IAC-17.B6.2.12
Advantages of 3D Printing Technology to Operations in Future Human Exploration of Mars
Mauricio Coen, Texas A&M University, United States

B6.3. Mission Operations, Validation, Simulation and Training

September 29 2017, 09:00 — City Room 1

***Co-Chair(s):** Paolo Ferri , European Space Agency (ESA), Germany; Zeina Mounzer , Telespazio VEGA Deutschland GmbH, Germany;*
***Rapporteur(s)**: Borre Pedersen , Kongsberg Satellite Services AS, Norway;*

IAC-17.B6.3.1
a hardware-in-the-loop simulator for deep space touchdown operation training of hayabusa2
Yuto Takei, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.B6.3.2
Simulation and testing for the approach of an uncooperative target
Susanne Peters, Universität der Bundeswehr München, Germany

IAC-17.B6.3.3
SpaceCRAFT: Endeavouring towards a Satellite Virtual Reality for Mission Operation Evaluation
Edmond Abdou, University of Sydney, Australia

IAC-17.B6.3.4
The 2016 #CanMars Robotic Mars Sample Return Analogue Mission
Gordon Osinski, Centre for Planetary Science and Exploration, University of Western Ontario, Canada

IAC-17.B6.3.5
A new ground facility for experimental testing of vision-based autonomous planetary landing
Paolo Lunghi, Politecnico di Milano, Italy

IAC-17.B6.3.7
Galileo first Ariane5 launch – adapting to four-spacecraft LEOP operations
Veronique Tyrou, Centre National d'Etudes Spatiales (CNES), France

IAC-17.B6.3.8
Robotic Planning and Execution of the HTV6 End to End Battery Box Mission
Lyndsey Poynter, MDA Robotics & Automation, Canada

IAC-17.B6.3.9
What Happens Above Thunderstorms: First Operational Concept and Lessons Learned from the THOR Experiment during the Short Duration Mission on-board the International Space Station.
Alice Michel, Belgian User Support and Operation Centre, Belgium

IAC-17.B6.3.10
Li-Ion battery Operations and life optimization
ARVIND KUMAR BALAN, DLR (German Aerospace Center), Germany

IAC-17.B6.3.11
Reaction to Anomalies in space: Human Spaceflight and Unmanned Missions mutual Lesson Learnt and Optimisation concepts
Andrea Campa, GMV-Insyen for German Space Operations Center (DLR/GSOC), Germany

IAC-17.B6.3.12 (non-confirmed)
Assessing Nanosatellite Flight & Ground Software Framework to NASA & ESA Software Safety Standards
Richard Duke, Surrey Space Centre - University of Surrey, United Kingdom

B6.5-B3.4. Flight & Ground Operations of HSF Systems – Joint Session of the Human Spaceflight and Space Operations Symposia

September 27 2017, 09:45 — City Room 3

***Co-Chair(s):** Annamaria Piras , Thales Alenia Space Italia, Italy; Dieter Sabath , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*
***Rapporteur(s):** Thomas A.E. Andersen , Danish Aerospace Company ApS, Denmark;*

IAC-17.B6.5-B3.4.1
Unexpected Control Structure Interaction on International Space Station
Susan Gomez, , United States

IAC-17.B6.5-B3.4.2
ISS controlled deorbit: challenges and solutions
Rafail Murtazin, Rocket Space Corporation Energia, Russian Federation

IAC-17.B6.5-B3.4.3
Implementation of an Additional Command System, Pathing the Way for New Tasks at Col-CC
Angela Schlerf, DLR (German Aerospace Center), Germany

IAC-17.B6.5-B3.4.4
MPCC and Ku-IPS, new ways to control the next generation of Columbus payloads - Ground Segment Aspects
Thomas Mueller, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.B6.5-B3.4.5
Commercial payloads and the ticketing process - Fast and direct access to ISS using MPCC AND KU-IPS by standardized services-
Katherine Pegg, Airbus Defence and Space GmbH, Germany

IAC-17.B6.5-B3.4.6
Bartolomeo - The New Versatile External Carrier on the International Space Station
Christian Steimle, Airbus Defence and Space, Germany

IAC-17.B6.5-B3.4.8
Study on Autonomous Planning of Flight Progress for Manned Spacecraft
Zhen Huang, Institute of Manned Space System Engineering, CAST, China

IAC-17.B6.5-B3.4.9 (non-confirmed)
Study on Fault Diagnosis Technology of Manned Launch Vehicle in Waiting-for-lift-off Phase
Chenguang Zhang, Beijing Institute of Astronautical Systems Engineering, China

IAC-17.B6.5-B3.4.10 (non-confirmed)
Automated control system of spaceship status in flight
Natalia V. Mishurova, S.P. Korolev Rocket and Space Corporation Energia, Russian Federation

IAC-17.B6.5-B3.4.11
A Summary of the Analytical Techniques Involved in Robotic Life Extension on the International Space Station
George Panagiotoglou, MDA Robotics & Automation, Canada

IAC-17.B6.5-B3.4.12
Optimizing ISS electrical power generation and utilization
Robert Juillerat, Booz Allen Hamilton, United States

C1. ASTRODYNAMICS SYMPOSIUM

Coordinator(s): Alfred Ng , Canadian Space Agency, Canada; Anna Guerman , Centre for Mechanical and Aerospace Science and Technologies (C-MAST), Portugal;

C1.1. Attitude Dynamics (1)

September 25 2017, 15:15 — Hall A

Co-Chair(s): *James O'Donnell , National Aeronautics and Space Administration (NASA)/Goddard Space Flight Center, United States; Shinji Hokamoto , Kyushu University, Japan;*
Rapporteur(s): *Gianmarco Radice , University of Glasgow, United Kingdom;*

IAC-17.C1.1.1
coulomb tether double-pyramid satellite formations: with application to GEO satellite collocation
Anrui Shi, Beijing Institute of Technology, China

IAC-17.C1.1.2
Force and Torque Disturbance Modeling Due to General Thruster Plume Impingements
Thibaud Teil, University of Colorado Boulder, United States

IAC-17.C1.1.3
Time-Varying Errors for Magnetometers on Small Satellites
Halil Ersin Soken, Japan Aerospace Exploration Agency (JAXA)/ISAS, Japan

IAC-17.C1.1.4
Dynamic Control System Mode Performance of the Space Technology-7 Disturbance Reduction System
James O'Donnell, National Aeronautics and Space Administration (NASA)/Goddard Space Flight Center, United States

IAC-17.C1.1.5
Attitude Stabilization of a Flexible Spacecraft using combined PZT/optical sensors
Marco Sabatini, Università di Roma "La Sapienza", Italy

IAC-17.C1.1.6
magnetic attitude control of satellites using coarse pulse-width-modulation of magnetorquers
Yasuhiro Yoshimura, Tokyo Metropolitan University, Japan

IAC-17.C1.1.8
Investigation into Integrated Attitude Determination in High-Precision CubeSats
Joshua Critchley-Marrows, University of Sydney, Australia

IAC-17.C1.1.9
Multifunctional Optical Attitude Determination Sensor for Picosatellites
Nikolas Korn, Technische Universität Berlin, Germany

IAC-17.C1.1.10
Tether deployment using high spin rate control for interplanetary nanosatellite missions
Ikechukwu Ofodile, Univeristy of Tartu, Estonia

IAC-17.C1.1.11
Fully-Coupled Dynamical Jitter Modeling of a Rigid Spacecraft with Imbalanced Double-Gimbal Variable-Speed Control Moment Gyros
Takahiro Sasaki, University of Colorado, Colorado Center for Astrodynamics Research, United States

IAC-17.C1.1.12
High dynamic star tracker for remote sensing satellite
Ting Sun, Tsinghua University, China

C1.2. Attitude Dynamics (2)

September 26 2017, 09:45 — Hall A

Co-Chair(s): *Michael Yu Ovchinnikov , Keldysh Institute of Applied Mathematics, RAS, Russian Federation; Paolo Teofilatto, University of Rome "La Sapienza", Italy;*
Rapporteur(s): *Hao-Chi Chang , tiSPACE Inc., Unknown;*

IAC-17.C1.2.2
Particle Swarm/Differential Evolution Optimizer for Constrained Slew Maneuvers
Robert G. Melton, The Pennsylvania State University, United States

IAC-17.C1.2.3
Usage of solar and gravitational torques for reaction wheels desaturation
Yaroslav Mashtakov, Keldysh Institute of Applied Mathematics of RAS, Russian Federation

IAC-17.C1.2.4
Kinematic Steering Enabling Speed-Constrained Three-Axes Attitude Control
Hanspeter Schaub, University of Colorado, Colorado Center for Astrodynamics Research, United States

IAC-17.C1.2.5
Adaptive Spacecraft Attitude Control with Incremental Approximate Dynamic Programming
Ye Zhou, Delft University of Technology (TU Delft), The Netherlands

IAC-17.C1.2.6
vision-based attitude determination system for small satellites using unscented kalman filter
Dagvasumberel Amartuvshin, Kyushu Institute of Technology, Japan

IAC-17.C1.2.7
PID Controller Optimization for Android-Powered Nanosatellites Using Jacobian-Based Scaling
Mohammad Alsharif, University of Bremen, Germany

IAC-17.C1.2.8
On Orbit Servicing GNC through a dual quaternion approach
Aureliano Rivolta, Politecnico di Milano, Italy

IAC-17.C1.2.9
Spacecraft attitude control system based on Total Energy Control Approach.
Hugo Rodriguez-Cortes, Instituto Politécnico Nacional, Mexico

IAC-17.C1.2.10
A comprehensive study on magnetic actuator design for CubeSat missions.
Sebastian Grau, Technische Universität Berlin, Germany

IAC-17.C1.2.11
Attitude Control of a 3U CubeSat Equipped with a Large Loop Antenna
Hasnaa Khalifi, University of Florida, United States

IAC-17.C1.2.12
analysis of the attitude motion and structural vibration coupling for solar power satellite
Shunan Wu, Dalian University of Technology, China

C1.3. Guidance, Navigation & Control (1)

September 26 2017, 14:45 — Hall A

Co-Chair(s): *Yong Chun Xie , Beijing Institute of Control Engineering, China;*
Rapporteur(s): *Fuyuto Terui , Japan Aerospace Exploration Agency (JAXA), Japan;*

IAC-17.C1.3.1
Semi-autonomous attitude guidance using relative navigation based on Line of Sight measurements – AIM scenario
Andrea Pellacani, G.M.V. Space and Defence, S.A., Spain

IAC-17.C1.3.3
Monocular vision based simultaneous localization and mapping for close proximity navigation near an asteroid
Arunkumar Rathinam, University of New South Wales, Australia

IAC-17.C1.3.4
Accurate penetrator for the in-situ astrobiological exploration of Europa
Konstantinos Konstantinidis, Universität der Bundeswehr München, Germany

IAC-17.C1.3.5
Monocular and LIDAR based determination of shape, relative attitude and position of a non-cooperative, unknown satellite
Renato Volpe, University of Rome "La Sapienza", Italy

IAC-17.C1.3.7
vision-based state estimation of an uncooperative space object
Vincenzo Pesce, Politecnico di Milano, Italy

IAC-17.C1.3.8
a robust path-tracking guidance considering uncertainty for mars atmospheric entry
Zhengshi Yu, School of Aerospace Engineering, Beijing Institute of Technology, China

IAC-17.C1.3.9
Development and Validation of GNC Functional Modes for Asteroids Sample Return Mission in the frame of the European Commission H2020 NEOShield-2 Project
Matteo Suatoni, G.M.V. Space and Defence, S.A., Spain

IAC-17.C1.3.11
Attainable Landing Area Computation of Lunar Landers with Pseudo-Spectral and Polynomial based Guidance Methods
Yunus Emre ARSLANTAS, University of Bremen, Germany

C1.4. Guidance, Navigation & Control (2)

September 27 2017, 09:45 — Hall A

Co-Chair(s): *Anton de Ruiter , Ryerson University, Canada; Bernard Lübke-Ossenbeck , OHB System AG-Bremen, Germany;*
Rapporteur(s)*: Igor V. Belokonov , Samara State Aerospace University, Russian Federation;*

IAC-17.C1.4.2
Comparison of EKF and UKF for Robotic Missions to Mars
Jeffrey Stuart, Jet Propulsion Laboratory - California Institute of Technology, United States

IAC-17.C1.4.3
Parallel Spacecraft Solar and Thermal Radiation Pressure Modeling Using Graphic Processing Unit
Patrick Kenneally, The University of Colorado, United States

IAC-17.C1.4.4
Ascent Flight Control of Launch Vehicle Using Angle of Attack Estimator
Ario Birmiawan Widyoutomo, The Graduate Universty for Advanced Studies (SOKENDAI), Japan

IAC-17.C1.4.5
Docking of a space tug with upper stage debris object using deployable flexible beam
Vladimir S. Aslanov, Samara National Research University, Russian Federation

IAC-17.C1.4.6
a paper and pencil method of evaluating trajectories of space launchers
Paolo Teofilatto, Sapienza - University of Rome, Italy

IAC-17.C1.4.7
distributed coordinated finite-time attitude tracking control for multiple networked spacecraft systems with unknown deadzone
Chuanjiang Li, Harbin Institute of Technology, China

IAC-17.C1.4.8
New Implicit Neighboring Optimal Guidance and Attitude Control for Three-dimensional Lunar Ascent
Mauro Pontani, Sapienza - University of Rome, Italy

IAC-17.C1.4.9
Tether length control in tether-assisted deorbiting mission from an elliptical orbit
Vladimir S. Aslanov, Samara National Research University, Russian Federation

IAC-17.C1.4.10
magneto-coulombic fault tolerant sliding mode attitude control of earth pointing satellites
Himanshu Prabhat, IIT Kharagpur, India

IAC-17.C1.4.11
Orientation Optimisation of a Four Reaction Wheel Satellite Control System for Fault Tolerance
Zebb Prime, , Australia

IAC-17.C1.4.12
Launch Vehicle Adaptive Flight Control with Incremental Model Based Heuristic Dynamic Programming
Ye Zhou, Delft University of Technology (TU Delft), The Netherlands

C1.5. Guidance, Navigation & Control (3)

September 27 2017, 14:45 — Hall A

Co-Chair(s): *Arun Misra , Mc Gill Institute for Aerospace Engineering (MIAE), Canada; Moriba Jah , University of Arizona, United States;*
Rapporteur(s): *Shoji Yoshikawa , Mitsubishi Electric Corporation, Japan;*

IAC-17.C1.5.1 (non-confirmed)
KEYNOTE: 23rd John V. Breakwell Memorial Lecture: APPLIED ASTRODYNAMICS – FROM DYADICS TO UNIVERSITY SATELLITES
Filippo Graziani, G.A.U.S.S. Srl, Italy

IAC-17.C1.5.2
Distributed Control of an Evolving Satellite Assembly During In-Orbit Construction
Rebecca Foust, University of Illinois at Urbana-Champaign, United States

IAC-17.C1.5.3
Spacecraft Proximity Operations via Tube-based Robust Model Predictive Control with Additive Disturbances
Martina Mammarella, Politecnico di Torino, Italy

IAC-17.C1.5.4
formation flying along elliptical orbit using attractive sets of optimal control
Motoki Yamane, Kyushu University, Japan

IAC-17.C1.5.5
A Decentralized and Autonomous Formation Planning Architecture of Large-Scale Spacecraft Swarm Using Artificial Potential Field and Bifurcation Dynamics
Jinfeng Sun, School of Transportation Science and Engineering, Beihang University, Beijing, 100191, PR China, China

IAC-17.C1.5.6
A Study on Guidance Logic for Finite-Time Maneuver in Cislunar Orbit
Satoshi Ueda, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.C1.5.9
Precise Noncooperative Proximity Operation Using Angles-Only Navigation with Application to Tethered Space Robot
Yizhai Zhang, Northwestrn Polytechnical University, China

IAC-17.C1.5.10
Autonomous Collision Avoidance Guidance Design for Mars Powered Descent Phase
Yanning Guo, Harbin Institute of Technology, China

IAC-17.C1.5.11
State Machine Fault Protection for Autonomous Proximity Operations
Peter Schulte, Georgia Institute of Technology, School of Aerospace Engineering, United States

C1.6. Mission Design, Operations & Optimization (1)

September 28 2017, 09:45 — Hall A

Co-Chair(s): *Michèle Lavagna , Politecnico di Milano, Italy; Stéphanie Lizy-Destrez , SUPAERO- Ecole Nationale Supérieure de l'Aéronautique et de l'Espace, France;*
Rapporteur(s): *Johannes Schoenmaekers , European Space Operations Centre, Germany; Vincent Martinot , Thales Alenia Space France, France;*

IAC-17.C1.6.1
Novel Piecewise Trajectory Shaping in Hill's Canonical Variables
Cristian Greco, Delft University of Technology (TU Delft), The Netherlands

IAC-17.C1.6.2
Indirect optimization of low-thrust Earth-Moon transfers in the Sun-Earth-Moon system
Daniel Pérez-Palau, Centre National d'Etudes Spatiales (CNES), France

IAC-17.C1.6.3
Costate Scaling for Multi-Rendezvous Low-Thrust Trajectory Optimization
Shiyu Chen, Tsinghua University School of Aerospace, China

IAC-17.C1.6.4
IRASSI InfraRed Space Interferometer: Mission Analysis, Spacecraft Design and Formation Flying Overview
Luisa Buinhas, Bundeswehr University Munich, Germany

IAC-17.C1.6.5
N-body boundary value problem solver using monotonic basin hopping with applications to Earth-Moon transfer
Weichen Xiao, The Hong Kong University of Science and Technology, China

IAC-17.C1.6.6
Time-optimal solar sail heteroclinic connections for an Earth-Mars cycler
Merel Vergaaij, Delft University of Technology (TU Delft), The Netherlands

IAC-17.C1.6.8
Approximation by filtering in optimal control and applications to low thrust orbit transfer
Jean-Baptiste Caillau, , France

IAC-17.C1.6.9
Optimisation tool for low thrust orbit raising based on the Sequential Gradient Restoration Algorithm
Francesca Letizia, OHB System AG-Bremen, Germany

IAC-17.C1.6.11
THE OPTIMAL TRAJECTORY FOR OBSERVING NON-COOPERATIVE TARGET WITH KOZs CONSTRAINTS
Junhua Zhang, National Key Laboratory of Aerospace Flight Dynamic, Northwestern Polytechnical University, China

IAC-17.C1.6.12
In-Flight Results from the GPS Receiver on SmallGEO
Nils Neumann, OHB System AG-Bremen, Germany

C1.7. Mission Design, Operations & Optimization (2)

September 28 2017, 14:45 — Hall A

Co-Chair(s): *Kathleen Howell , Purdue University, United States; Massimiliano Vasile , University of Strathclyde, United Kingdom;*
Rapporteur(s): *Richard Epenoy , Centre National d'Etudes Spatiales (CNES), France; Xiao Qian Chen , National University of Defense Technology, China;*

IAC-17.C1.7.1
Asteroid Capture Missions for Unattainable Targets using Earth Resonant Encounters
Rita Neves, Cranfield University, United Kingdom

IAC-17.C1.7.2
Earth-Moon Transfer trajectory for the LuniSat MicroSat
Riccardo Di Roberto, G.A.U.S.S. Srl, Italy

IAC-17.C1.7.3
a rapid trajectory design strategy for complex environments leveraging attainable regions and low-thrust capabilities
Ashwati Das-Stuart, Purdue University, United States

IAC-17.C1.7.4
Station-keeping of Sun-Venus L2 libration point orbits for a prospective space observatory mission
Maksim Shirobokov, Keldysh Institute of Applied Mathematics, RAS, Russian Federation

IAC-17.C1.7.5
Ballistic captures and transfer opportunities for a mission to Mars
Pablo Moral, Universidad Carlos III de Madrid, Spain

IAC-17.C1.7.6
Optimal Low-Thrust Hyperbolic Rendezvous for Interplanetary Missions
Mauro Pontani, Sapienza - University of Rome, Italy

IAC-17.C1.7.7
New methods of low cost mission design for Jovian moons exploration with the spatial account of the total ionizing dose of radiation
Alexey Grushevskii, Keldysh Institute of Applied Mathematics of RAS, Russian Federation

IAC-17.C1.7.8
EVOLUTION OF TRAJECTORY DESIGN REQUIREMENTS ON NASA'S PLANNED EUROPA CLIPPER MISSION
Brent Buffington, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.C1.7.10
Dust Environment Models for Asteroid Surface Operations
Kristin Nichols, University of Colorado Boulder, United States

IAC-17.C1.7.11
Mission Design and Optimal Asteroid Deflection for Planetary Defense
Bruno Sarli, Japan Aerospace Exploration Agency (JAXA)/ISAS, Japan

IAC-17.C1.7.12
Mission analysis for two potential asteroids threat scenarios: optimal impact strategies and technology evaluation
Camilla Colombo, Politecnico di Milano, Italy

C1.8. Orbital Dynamics (1))

September 29 2017, 09:00 — Riverbank 6 (a&b)

Co-Chair(s): *Laureano Cangahuala , Jet Propulsion Laboratory, United States; Simei Ji , Beijing Institute of Technology, China;*
Rapporteur(s): *Filippo Graziani , G.A.U.S.S. Srl, Italy; Josep J. Masdemont , Universitat Politecnica de Catalunya (UPC), Spain;*

IAC-17.C1.8.2
Systematic study of the connections between the collinear libration points of a coherent Sun-Earth-Moon restricted four-body model
Bastien Le Bihan, ISAE - Institut Supérieur de l'Aéronautique et de l'Espace, France

IAC-17.C1.8.3
Mapping the Density of Particles over the Surface of Asteroid (101955) Bennu
Othon Winter, UNESP - Univ Estadual Paulista, Brazil

IAC-17.C1.8.4
Interplanetary Low-thrust Trajectory Using Earth Gravity Assist and Invariant Manifold Technique
Daisuke Tamakoshi, Tokyo Metropolitan University, Japan

IAC-17.C1.8.5
analysis of the external region of the Pluto system for different values of inclination and eccentricity of the particles
Silvia Maria Giuliatti Winter, UNESP - Univ Estadual Paulista, Brazil

IAC-17.C1.8.6
Trajectory Design to Triangular Libration Points based on Resonant Orbits
Nobuki Yamaguchi, Kyushu University, Japan

IAC-17.C1.8.7
Landing in Binary Asteroids: A Global Map of Feasible Descend Opportunities for Unpowered Spacecraft
Joan Pau Sanchez Cuartielles, Cranfield University, United Kingdom

IAC-17.C1.8.8
Transport Dynamics of Co-Orbital Asteroids via Invariant Manifolds for Space Mission Trajectories
Kenta Oshima, Waseda University, Japan

IAC-17.C1.8.9
extension of stable terminator orbit around small bodies
Yusuke Oki, Department of Engineering ,The University of Tokyo , Japan

IAC-17.C1.8.10 (non-confirmed)
Bifurcation of Periodic Orbits and Equilibrium Points of Contact Binary Asteroids and its Application to 1996 HW1
Yuying Liang, , China

IAC-17.C1.8.11
Equilibrium Points in the Doubly Synchronous Binary Asteroid System?
Hou Xiyun, Nanjing University, China

IAC-17.C1.8.12
The secular dynamics around asteroid with perturbation from solar radiation pressure
Feng Jinglang, Nanjing University, China

IAC-17.C1.8.13
Bounded motions about synchronous binary asteroid systems with application to 65803 Didymos
Xiaosheng Xin, Beijing Institute of Tracking and Telecommunication Technology, China

C1.9. Orbital Dynamics (2)

September 29 2017, 11:00 — Riverbank 6 (a&b)

Co-Chair(s): *Daniel Scheeres , University of Colorado, Colorado Center for Astrodynamics Research, United States; Gerard Gomez , University of Barcelona, Spain;*
Rapporteur(s): *Antonio Fernando Bertachini Almeida Prado , Instituto Nacional de Pesquisas Espaciais (INPE), Brazil;*

IAC-17.C1.9.2
characterization of low earth orbit dynamics by perturbation frequency analysis.
Giulia Schettino, IFAC-CNR, Italy

IAC-17.C1.9.4
A Clohessy-Wiltshire based tool for the preliminary optimization of low-thrust orbital maneuvers
Andrea Antonello, CISAS – "G. Colombo" Center of Studies and Activities for Space, University of Padova, Italy

IAC-17.C1.9.5
Verification of planetary protection requirements with symplectic methods and Monte Carlo Line Sampling
Matteo Romano, Politecnico di Milano, Italy

IAC-17.C1.9.6
the dynamics of passive debris mitigation and remediation
Aaron J. Rosengren, Aristotle University of Thessaloniki, Greece
IAC-17.C1.9.8
Heterogeneous Multiscale Methods for Orbital dynamics
Jerome Daquin, RMIT University, Australia

IAC-17.C1.9.9
Onboard Complete Solution to the Full-Body Relative Orbital Motion Problem
Daniel Condurache, Technical University of Iasi, Romania

IAC-17.C1.9.10
Lunar Orbit Dynamics for Lunisat Missions
Mauro Pontani, Sapienza - University of Rome, Italy

IAC-17.C1.9.11
Assembly and Operations for a Cislunar Orbit Space Station
Andrea Colagrossi, Politecnico di Milano, Italy
IAC-17.C1.9.12
Relative dynamics analysis and rendezvous techniques for lunar Near Rectilinear Halo Orbits
Lorenzo Bucci, Politecnico di Milano, Italy

C2. MATERIALS AND STRUCTURES SYMPOSIUM

Coordinator(s): Andreas Rittweger , DLR (German Aerospace Center), Germany; Paolo Gasbarri , Università di Roma "La Sapienza", Italy;

C2.1. Space Structures I - Development and Verification (Space Vehicles and Components)

September 25 2017, 15:15 — Panorama Room 2

Co-Chair(s): *Alwin Eisenmann , IABG Industrieanlagen - Betriebsgesellschaft mbH, Germany; Andreas Rittweger , DLR (German Aerospace Center), Germany;*
Rapporteur(s): *Jochen Albus , Airbus Defence and Space GmbH, Germany;*

IAC-17.C2.1.1
Verification and Ground Qualification Approach for the Structure of the ORION-MPCV European Service Module
Gandolfo Di Vita, ESA, The Netherlands

IAC-17.C2.1.2
Using Virtual Testing as pre- and post- test tool for spacecraft vibration testing
Marcello Remedia, Surrey Space Centre, University of Surrey, United Kingdom

IAC-17.C2.1.3
Wireless and Batteryless Vibration Testing of Space Structures with Implanted LSI Sensors
Jin Mitsugi, Keio University, Japan

IAC-17.C2.1.4
A NEW CONCEPT IN VIRTUAL SIMULATION OF A SPACE STRUCTURE VIBRATION TEST
Vincenzo Di Pietro, Thales Alenia Space Italia (TAS-I), Italy

IAC-17.C2.1.5
Design Strategy, Numerical Analysis and Testing of a Modular Satellite Structure
Thomas A. Schervan, RWTH Aachen University, Germany

IAC-17.C2.1.6
ESTCube-2 structure development, analysis, testing and verification
Iaroslav Iakubivskyi, Tartu Observatory, Estonia

IAC-17.C2.1.7
optimization for structure system of micro-satellite
Liming Fan, School of Astronautics, Beihang University, Beijing 100191, PR China, China

IAC-17.C2.1.8
formosat-5 satellite structure development and dynamic launch environment verification
Jen-Chueh KUO, National Space Organization, Taiwan, China

IAC-17.C2.1.9
Research on column buckling under internal pressure of plane-cone shaped metal bellows
Muye Chen, Beijing institute of Astronautical Systems Engineering, Beijing, China

IAC-17.C2.1.10
Multidisciplinary Design Optimization of a Satellite Structure by Additive Manufacturing
Marius Bierdel, Fraunhofer EMI, Germany

IAC-17.C2.1.11
On-ground testing of a restraint layer for inflatable modules for lunar orbital application
Anton Kolozeznyy, TSNIIMASH, Russian Federation

IAC-17.C2.1.12
A study on the Design and structural analysis of filament wound Composite Motor case with Inter metallic segment joint
Paul Murugan J, Indian Space Research Organization (ISRO), India

IAC-17.C2.1.13
Verification of Diaphragm Analysis
Stefan Weiland, MT Aerospace AG, Germany

C2.2. Space Structures II - Development and Verification (Deployable and Dimensionally Stable Structures)

September 26 2017, 09:45 — Panorama Room 2

Co-Chair(s): *Oliver Kunz , RUAG Space, Switzerland; Paolo Gasbarri , Università di Roma "La Sapienza", Italy;*
Rapporteur(s): *Pierre Rochus , CSL (Centre Spatial de Liège), Belgium;*

IAC-17.C2.2.1
The effects of the center of mass motion on the relative translation and attitude motion of space tugs in close proximity of rendezvous and docking/berthing operations.
Luciano Unfried, Aeronautic Institute of Technology – ITA/DCTA/CA-MD, Brazil

IAC-17.C2.2.2
Towards a European Large Deployable Antenna: Overview of Current Development Activities
Thomas Sinn, HPS GmbH, Germany

IAC-17.C2.2.3
design, test and comparison of mechanical support principles to increase the robustness of deployable thin-shell cfrp-booms of the deorbiting device adeo
Martin Zander, German Aerospace Center (DLR), Germany

IAC-17.C2.2.4
parametric analysis of a controlled deployable space manipulator used for capturing a non-cooperative satellite
Angelo Stolfi, Università di Roma "La Sapienza", Italy

IAC-17.C2.2.5
High-Precision Positioning of Reflector Segment by Using Kinematic Couplings for Balloon-Borne Radio Telescope
Hiroaki Tanaka, National Defense Academy, Japan

IAC-17.C2.2.6
Decrement Properties of Deployment Torque for Self-deployable Tubular CFRP Booms under Stored State
Takaomi Chubachi, Tokyo Institute of Technology, Japan

IAC-17.C2.2.7
toward a multifunctional interface for future planetary and orbital missions
ROBERTO PALAZZETTI, University of Strathclyde, United Kingdom

IAC-17.C2.2.9
A Design Method to Keep Asymmetrical Ring Truss Reflector Surface Stable and Test Verification
Hui Wang, , China

IAC-17.C2.2.11
Improvement of Sail Storage Structure and Deployment Mechanism for Next Spin-type Solar Power Sail-craft
Osamu Mori, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.C2.2.12
Static and dynamic analysis of partially wrinkled membranes for tethered spinning solar sail applications
Chao Xu, Northwestern Polytechnical University, China

IAC-17.C2.2.13
Passive Nonlinear Actuators for Deploying the Mesh Antennas
Zhihua Zhao, Tsinghua University, China

C2.3. Space Structures - Dynamics and Microdynamics

September 26 2017, 14:45 — Panorama Room 2

Co-Chair(s): *Harijono Djojodihardjo , , Indonesia; Ijar M. Da Fonseca , ITA-DCTA, Brazil;*
Rapporteur(s): *Luigi Scatteia , PricewaterhouseCoopers Advisory, France;*

IAC-17.C2.3.1
Prediction of Vibration Characteristics of Variable Diameter Shell Composite Structure via 2D Sub-scale Modeling
BEHZAD AHMED ZAI, Pakistan Space and Upper Atmosphere Research Commission, Pakistan

IAC-17.C2.3.2
proposal of a method to detect buckling and unstable deformation in dynamic analysis
Shoko Arita, Shizuoka University, Japan

IAC-17.C2.3.4
METHODOLOGY OF EVALUATION THE INFLUENCE OF SMALL ASYMMETRY EXTERNAL FORMS OF SPACE LANDING VEHICLE ON A DEVIATION OF THE LONGITUDINAL AXIS AT MOVEMENT UNDER RESONANT MODE
Vsevolod Koryanov, Bauman Moscow State Technical University, Russian Federation

IAC-17.C2.3.5
Tuning Guideline for a Shock Test Facility for Spacecraft Equipment Qualification
Andreas Dueck, RWTH Aachen University, Germany

IAC-17.C2.3.6
Vibration Analysis, Control And Optimization of a Piezoelectric Elements Bonded Flexural - Torsional Composite Beam
Harijono Djojodihardjo, , Indonesia

IAC-17.C2.3.7
Quasi-Static Flight Performance of a Conventional Aeroelastic Launch Vehicle
Derek Gransden, Delft University of Technology (TU Delft), The Netherlands

IAC-17.C2.3.8
Elastic deformation modeling of the VS-40m suborbital rocket with SARA payload
ELCIO JERONIMO DE OLIVEIRA, Institute of Aeronautics and Space (IAE), Brazil

IAC-17.C2.3.9
Modal Parameter Characterization for a Small Scale Heliogyro Blade in High Vacuum Chamber
Sarah Cook, University of Colorado Boulder, United States

IAC-17.C2.3.10
Touchdown Stability Estimation of an unmanned spacecraft on lunar regolith
Sai Phanindra Darbha, Team Indus, Axiom Research Labs Pvt. Ltd., India

IAC-17.C2.3.11
A Synchronized Switching Strategy to Increase Energy Harvesting Efficiency from Micro-scale Vibration Energy
Seong-Cheol Kwon, Chosun University, Korea, Republic of

IAC-17.C2.3.12
investigation of nonlinear energy sink for vibration absorption by means of homotopy analysis method
XianRen Kong, , China

C2.4. Advanced Materials and Structures for High Temperature Applications

September 27 2017, 09:45 — Panorama Room 2

Co-Chair(s): *David E. Glass , National Aeronautics and Space Administration (NASA), United States; Marc Lacoste , ArianeGroup, France;*
Rapporteur(s): *Zijun Hu , China Academy of Launch Vehicle Technology, China;*

IAC-17.C2.4.1
KEYNOTE: Paolo Santini Memorial Lecture Materials and Structures Technology insertion into Spacecraft Systems: Successes and Challenges
Suraj Rawal, Lockheed Martin Space Systems Company, United States

IAC-17.C2.4.2
Systematic Comparative Analysis of Existing Ablative Materials for Thermal Protection Systems' Design Optimisation
Sara Pavesi, IRS, University of Stuttgart, Germany

IAC-17.C2.4.3
Microstructures and ablation behaviors of carbon/carbon composites under aggressive ablation environments in a solid rocket motor
Li Qiang, Northwestern Polytechnical University, China

IAC-17.C2.4.4
Mechanical and ablative properties of C/C composites modified by SiC using liquid silicon infiltration method
JinHuang Zheng, , China

IAC-17.C2.4.5
Thermal response and recession resistance of a new thermal protection system using high-temperature CFRP sandwich panel
Ousei Miyamoto, Waseda University, Japan

IAC-17.C2.4.6
Multi-dimensional Ablation and Thermal Response Program for Re-entry Analysis
Viola Renato, Univeristy of Strathclyde, United Kingdom

IAC-17.C2.4.7
REVIEW ON LIGHTWEIGHT GRADED NON-ABLATION STRUCTURE FOR HYPERSONIC VEHICLES
Qin Lu, CAAA, China

IAC-17.C2.4.8
Design and Thermo-Structural analysis of the interface between subscale version of Carbon-Carbon (C-C) Nozzle divergent to metallic flange hardware for a ground simulation test
Paul Murugan J, Indian Space Research Organization (ISRO), India

IAC-17.C2.4.9
Experimental Investigation of the Emissivity of UHTC Coatings on CMC Materials in GHIBLI Plasma Wind Tunnel Tests
Carlo Purpura, CIRA Italian Aerospace Research Centre, Italy

IAC-17.C2.4.10
IRS Research and Development activities in the field of Atmospheric Entry
Georg Herdrich, Institute of Space Systems, Germany

IAC-17.C2.4.11
Fabrication and Validation Test of a Novel Thermal Protection Structure Based on Heat Pipe Technology for Combustion Chamber of Scramjet
Ai Bangcheng, China Academy of Aerospace Aerodynamics(CAAA), China

C2.5. Smart Materials and Adaptive Structures

September 27 2017, 14:45 — Panorama Room 2

Co-Chair(s): *Hiroshi Furuya , Tokyo Institute of Technology, Japan; Pavel M. Trivailo , RMIT University, Australia, Australia;*
Rapporteur(s): *Paolo Gaudenzi , Sapienza University of Rome, Italy;*

IAC-17.C2.5.1
Demonstration of Sparse Aperture Configuration for Imaging Satellites
Jae Jun Kim, Naval Postgraduate School, United States

IAC-17.C2.5.2
Design of a smart tailored stiffness nonlinear spring
Mohammed K. Abbas, Northwestern Ploytechnical University, China

IAC-17.C2.5.3
Novel 2-collinear-DoF strut prototype for spacecraft micro-vibration mitigation
Alessandro Stabile, University of Surrey, United Kingdom

IAC-17.C2.5.4
implementation and application of digital-controlled piezoelectric vibration absorbers to truss structures
Satoshi Yamada, Osaka Prefecture University, Japan

IAC-17.C2.5.5
Augmented Adaptive Motion Control and Vibration Optimal Control for Free-floating Flexible Space Manipulators with An Elastic Base
Xiaoyan Yu, Fuzhou University, China

IAC-17.C2.5.6
Modeling and design of a nonlinear aeroelastic energy harvester
Marco Eugeni, Università di Roma "La Sapienza", Italy

IAC-17.C2.5.7
A Novel Shape Memory Alloy Actuator for Solar Sailing Attitude Control
Xiaofeng Wu, University of Sydney, Australia

IAC-17.C2.5.8
evaluation of optical properties of advanced reflectivity control device for solar sail by numerical simulation
Hirokazu Ishida, The University of TOKYO, Graduate school, Japan

IAC-17.C2.5.9
Attitude control of a rigid flexible satellite by using reaction wheel and piezoelectric material for passive control of the elastic vibration
Ijar M. Da Fonseca, ITA-DCTA, Brazil

IAC-17.C2.5.11
New thermal protection systems for space launchers: icephobic coating for cryogenic rocket engine
Luca Mazzola, CIRA Italian Aerospace Research Centre, Italy

IAC-17.C2.5.13 (non-confirmed)
Use of smart material for efficient and safer sub orbital space flights
AMANJOT SINGH, , India

C2.6. Space Environmental Effects and Spacecraft Protection

September 28 2017, 09:45 — Panorama Room 2

Co-Chair(s): *Giuliano Marino , CIRA Italian Aerospace Research Centre, Italy;*
Rapporteur(s): *Kyeum-rae Cho , Pusan National University, Korea, Republic of;*

IAC-17.C2.6.1 (non-confirmed)
configuration of experimental set up for out gassing evaluation of spacecraft materials
Rajeev Vaghmare, Indian Space Research Organization (ISRO), India

IAC-17.C2.6.2
HYPERVELOCITY DEBRIS IMPACT DAMAGE OF SPACE COMPOSITE STRUCTURES
Andrea Delfini, Sapienza Università di Roma, Italy

IAC-17.C2.6.3
Experimental Study on Acoustic Emission Signal Characteristics of Space Debris Hypervelocity Impact on Manned Spacecraft with Partition Frames
Xiangyang Hou, Institute of Manned Space System Engineering,China Academy of Space Technology (CAST), China

IAC-17.C2.6.4
Modelling and laboratory testing of radiation effects on space borne electronic components
Holly Snell, University of Cape Town, South Africa

IAC-17.C2.6.6
Numerical simulations of radiative heat effects at a plasma wind-tunnel flow under Mars entry conditions
Javier Garcia Garrido, Universität der Bundeswehr München, Germany

IAC-17.C2.6.9 (non-confirmed)
An Italian Technology for LSI-based CMC Control Surfaces for Re-entry Vehicles
Mario De Stefano Fumo, CIRA Italian Aerospace Research Centre, Italy

IAC-17.C2.6.12
Analysis of Radiation Environment and its Effect on Spacecraft in Different Orbits
Md Mahbubur Rahman, Skolkovo Institute of Science and Technology, Russian Federation

C2.7. Space Vehicles – Mechanical/Thermal/ Fluidic Systems

September 28 2017, 14:45 — Panorama Room 2

Co-Chair(s): *Brij Agrawal , Naval Postgraduate School, United States; Oleg Alifanov , Moscow Aviation Institute, Russian Federation;*
Rapporteur(s): *Guoliang Mao , Beijing Institute of Aerodynamics, China;*

IAC-17.C2.7.1
A novel design approach for space components: application to a multifunctional panel
Carlo Ferro, Politecnico di Torino, Italy

IAC-17.C2.7.2
thermal optical analysis of LAPAN's IR camera
Bustanul Arifin, Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia

IAC-17.C2.7.3
The Building Block of Small Space Mechanisms and Robots - A Micro Actuator with High Torque/Weight Ratio
Rui Li, Beijing Institute of Control Engineering, China Academy of Space Technology, China

IAC-17.C2.7.4
Lightweight Means of Actuation for Use in Space-Based Robotics Applications
Scott Brady, University of Strathclyde, Glasgow, United Kingdom

IAC-17.C2.7.5
Experimental study of Heat Switch Radiator using Shape Memory Alloy for High Insulation System
Shunsaku Eguchi, Tokyo University of Science, Japan

IAC-17.C2.7.6
A STUDY OF ELECTROMAGNETIC ENVIRONMENTAL EFFECTS ON SPACE LAUNCH SYSTEMS BY MEANS OF REVERBERATION CHAMBER
Andrea Delfini, Sapienza Università di Roma, Italy

IAC-17.C2.7.7
Coupled Thermodynamic and Structural Optimization of a Cryogenic Upper Stage into GEO
Marco Vietze, Universität der Bundeswehr München, Germany

IAC-17.C2.7.8
Enhancement of Thermal Control Performance by Using Liquid Metal Radiator
Tae-Yong Park, Chosun University, Korea, Republic of

IAC-17.C2.7.9
A trade-off study on the mechanical support structure of the MASCOT-2 small body lander package
Michael Lange, DLR (German Aerospace Center), Germany

IAC-17.C2.7.11
design and on-board validation of pumped two-phase fluid loop for high heat flux removal
Xingang Yu, , China

IAC-17.C2.7.12 (non-confirmed)
The design of a satellite with a structure of Rubik's cube
Qi Chen, CAST, China

IAC-17.C2.7.13
compression failure mechanisms in sandwich panels with corrugated channel cores
Zhenyu Zhao, Xi'an Jiaotong University, China

IAC-17.C2.7.14
Aeroheating Analysis of RCS Jet Interaction Effects on the RLV
Xiaoyan Li, CALT,CASC, China

C2.8. Specialised Technologies, Including Nanotechnology

September 29 2017, 09:00 — Panorama Room 2

Co-Chair(s): *Mario Marchetti , University of Rome "La Sapienza", Italy; Pierre Rochus , CSL (Centre Spatial de Liège), Belgium;*
Rapporteur(s): *Bangcheng Ai , China Aerospace Science and Industry Corporation, China;*

IAC-17.C2.8.1
Enhanced Capillary Performance of Hierarchical Micro/Nano-scale Wick Structures in Flat Heat Pipe
Yan Li, China Aerospace Science and Industry Corporation (CASIC), China

IAC-17.C2.8.2
Novel fabrication of Graphene Oxide supported TiO2 catalyst using HTM and ALD
Simranjit Grewal, The National AeroSpace Training And Research Center (THE NASTAR CENTER), United States

IAC-17.C2.8.3
Multifunctional carbon nanotubes filled carbon fiber epoxy composite for satellite structural applications
Fawad Tariq, Pakistan Space and Upper Atmosphere Research Commission, Pakistan

IAC-17.C2.8.4
STUDY AND CHARACTERIZATION OF CERAMIC SHELL STRUCTURES FOR HIGH TEMPERATURE SPACE APPLICATIONS
Marta Albano, Agenzia Spaziale Italiana (ASI), Italy

IAC-17.C2.8.6
Research on Calibration Method of Space-borne High Temperature Strain Sensor
Ke Liu, China Academy of Launch Vehicle Technology(CALT), China

IAC-17.C2.8.7
Integrating Graphene Aerogels into Polymer Derived Ceramics: A Quest for Understanding Thermoelectric Interfacial Phenomena
Elizabeth Barrios, University of Central Florida, United States

IAC-17.C2.8.8
Spintronics: Towards more efficient sensing and storage devices
Seyed Ali Nasseri, Space Generation Advisory Council (SGAC), Canada

IAC-17.C2.8.9
Lightly loaded reusable thermal interface for space applications
Jens Riesselmann, Technische Universität Berlin, Germany

IAC-17.C2.8.11
Evaluation of IR emitter with periodic array for spacecraft radiator
Kana Ohya, Keio University, Japan

IAC-17.C2.8.12
CNT and BNNT Enhancement of Polymer-Matrix Composites for Space Applications
Behnam Ashrafi, National Research Council, Canada

C2.9. Advancements in Materials Applications and Rapid Prototyping

September 29 2017, 11:00 — Panorama Room 2

Co-Chair(s): *Behnam Ashrafi , National Research Council, Canada; Giuliano Marino , CIRA Italian Aerospace Research Centre, Italy;*
Rapporteur(s): James Tucker , Southern Research Institute, United States;

IAC-17.C2.9.2
NASA Additive Manufacturing Initiatives: In Space Manufacturing and Rocket Engines
Raymond G. Clinton, NASA Marshall, United States

IAC-17.C2.9.4
The Development Path Study of Additive Manufacturing in Space on Chinese Manned Spacecraft
Wei Zhang, Technology and Engineering Center for Space Utilization,Chinese Academy of Sciences, China

IAC-17.C2.9.5
a methodology for design of lightweight parts in harsh environments
Thomas McMaster, University of Strathclyde, Glasgow, United Kingdom

IAC-17.C2.9.6
Self-Replicating 3D Printed Satellites
Andrew Jones, North Dakota State University, United States

IAC-17.C2.9.7
Using additive/subtractive processing in the freeform fabrication of bi-metallic components
Sean Sporie, , United States

IAC-17.C2.9.8
spacecraft designers' guide to using additive manufacturing processes for large metallic spacecraft structures
Didunoluwa Obilanade, Cranfield University, Cranfield UK, United Kingdom

IAC-17.C2.9.9
system level experimental characterization of a deployable boom in carbon fiber-reinforced plastic
Susanna Laurenzi, Sapienza University of Rome, Italy

IAC-17.C2.9.10
ADDITIVE LAYER MANUFACTURING FOR ENTRY CAPSULES.
Roberto Gardi, CIRA Italian Aerospace Research Centre, Italy

IAC-17.C2.9.12
Preliminary design and evaluation of radiowave transmissive MLI for spacecraft
Kota Tomioka, Keio University, Japan

IAC-17.C2.9.13
ADVANCING SOLAR SINTERING FOR BUILDING A BASE ON THE MOON
Anna Barbara Imhof, Liquifer Systems Group (LSG), Austria

C3. SPACE POWER SYMPOSIUM

Coordinator(s): Koji Tanaka , ISAS, JAXA, Japan; Ming Li , China Academy of Space Technology (CAST), China;

C3.1. Space-Based Solar Power Architectures / Space & Energy Concepts

September 25 2017, 15:15 — City Room 1

Co-Chair(s): *John C. Mankins , ARTEMIS Innovation Management Solutions, LLC, United States; Leopold Summerer , European Space Agency (ESA), The Netherlands;*
Rapporteur(s): *Koji Tanaka , ISAS/JAXA, Japan; Nobuyuki Kaya , Kobe University, Japan;*

IAC-17.C3.1.1
KEYNOTE: Implications of Advances in Hyper-Modular Space Solar Power Architectures for Terrestrial Energy and the Development & Settlement of Space
John C. Mankins, ARTEMIS Innovation Management Solutions, LLC, United States

IAC-17.C3.1.2
Competition winner presentation
Koji Tanaka, ISAS, JAXA, Japan

IAC-17.C3.1.3
Space Solar Power International Student Competition Winner
John C. Mankins, ARTEMIS Innovation Management Solutions, LLC, United States

IAC-17.C3.1.4
System Study of Modified Tethered SPS and Scenario of Space Demonstrations
Koji Tanaka, ISAS, JAXA, Japan

IAC-17.C3.1.5 (non-confirmed)
Challenges and Some Possible Solutions for Space Solar Power Station Design
Jin Huang, Xidian University, China

IAC-17.C3.1.6
Concepts for Near-Term Provision of Power via Space Solar to Remote Areas
Paul Jaffe, Naval Research Laboratory, United States

IAC-17.C3.1.7
High Power Electric Power Generation, Transmission and Management of MR-SPS
Xinbin Hou, CAST, China

IAC-17.C3.1.8
EXPONENTIAL POPULATIONS OF SOLAR POWER SATELLITES TENDING TO ZERO SPECIFIC COST
Alex Ellery, Space Exploration and Engineering Group, Carleton Univeristy, Canada

IAC-17.C3.1.9
Peter Glaser lecture
Koji Tanaka, ISAS, JAXA, Japan

C3.2. Wireless Power Transmission Technologies, Experiments and Demonstrations

September 26 2017, 09:45 — City Room 1

Co-Chair(s): *Ming Li , China Academy of Space Technology (CAST), China; Nobuyuki Kaya , Kobe University, Japan;*
Rapporteur(s): *Massimiliano Vasile , University of Strathclyde, United Kingdom;*

IAC-17.C3.2.1
The Feasibility of Applying Space Solar Power for Forward Operating Bases
Alexander Walts, University of Maryland, College Park, United States

IAC-17.C3.2.2
Experiments on Direction Finding using Array Antenna and On-board calibration of phase error for Solar Power Satellite
Mudassir Raza, The Graduate Universty for Advanced Studies[SOKENDAI], Japan

IAC-17.C3.2.3
Multi-interface Matching Design of High Efficiency Rectenna for Microwave Power Transmission Systems
Shi-Wei Dong, Xi'an Institute of Space Radio Technology, China

IAC-17.C3.2.4
High Frequency Microwave Power Transmission System Design for Space Application
Yazhou Dong, China Academy of Space Technology (CAST), China

IAC-17.C3.2.5
ReBeam Space - Creating an Intercontinental Wireless Energy Network
Gadhadar Reddy, NoPo Nanotechnologies Private Limited, India

IAC-17.C3.2.7
Improved Performance of a Rectenna Array for Wireless Power Transportation
DOUYERE Alexandre, University of La Réunion, La Reunion

IAC-17.C3.2.8
Criteria for Comparing Power Beaming Demonstrations
Paul Jaffe, Naval Research Laboratory, United States

IAC-17.C3.2.9
the current status of microwave power transmission for ssps and industry application
Shoichiro Mihara, Japan Space Systems (J-spacesystems), Japan

C3.3. Advanced Space Power Technologies and Concepts

September 27 2017, 14:45 — City Room 3

Co-Chair(s): *Gary Pearce Barnhard , National Space Society, United States; Lee Mason , National Aeronautics and Space Administration (NASA)/Glenn Research Center, United States;*
Rapporteur(s): *Koji Tanaka , ISAS, JAXA, Japan; Matthew Perren , Airbus Defence & Space, United Kingdom;*

IAC-17.C3.3.1
Performance Evaluation of Electricity Generation Systems Based on Semiconductor Thermoelectric Generators for Hypersonic Vehicles
Kunlin Cheng, Harbin Institute of Technology, China

IAC-17.C3.3.2
the active cooling design for the thermoelectric devices with great heat flux density
Shenzhan Zhang, Beijing Aerospace Technology Institute, China

IAC-17.C3.3.4 (non-confirmed)
A quick-charge lithium-ion battery with high specific energy
Yi Zuo, , China

IAC-17.C3.3.6
Planetary Exploration Habitat Energy Requirements and Forecasting
Simon Engler, University of Hawaii, United States

IAC-17.C3.3.7
O'Moon: Power production and storage for a lunar modular power infrastructure
Lukas Hoffmann, , Germany

IAC-17.C3.3.8
Energy transmission on a modular satellite
Anja Kohfeldt, Technische Universität Berlin, Germany

IAC-17.C3.3.9
Powering Small Satellites using Space Plasma
Hemant Ganti, Manipal Institute of Technology, Manipal University, India

C3.4. Small and Very Small Advanced Space Power Systems

September 28 2017, 14:45 — City Room 2

Co-Chair(s): *Massimiliano Vasile , University of Strathclyde, United Kingdom; Shoichiro Mihara , Japan Space Systems (J-spacesystems), Japan;*
Rapporteur(s): *Tanaka Koji , ISAS/JAXA, Japan;*

IAC-17.C3.4.1
The Lightweight Integrated Solar Array and anTenna (LISA-T) - Big Power for Small Spacecraft
Les Johnson, National Aeronautics and Space Administration (NASA)/Marshall Space Flight Center, United States

IAC-17.C3.4.2
Energy-Optimal Control of Deployable Solar Panels for a Class of Nanosatellites
Bryan Pawlina, University of British Columbia, Canada

IAC-17.C3.4.3 (non-confirmed)
Design and Implementation of an Electrical Power Subsystem for a Hyperspectral Imaging Microsatellite
Trevor Kwan, University of Sydney, Australia

IAC-17.C3.4.5
Electronic Power System for Small Satellites
Rohan Nag, , India

C3.5-C4.7.Joint Session on Advanced and Nuclear Power and Propulsion Systems

September 29 2017, 09:00 — Hall E3

Co-Chair(s): *Jerome Breteau , European Space Agency (ESA), France; Leopold Summerer , European Space Agency (ESA), The Netherlands;*
Rapporteur(s): *Constanze Syring , ArianeGroup, Germany; Elizabeth Driscoll , Aerojet Rocketdyne, United States; Koji Tanaka , Japan Aerospace Exploration Agency (JAXA), Japan; Vito Salvatore , CIRA Italian Aerospace Research Center, Capua, Italy; Youngbin Yoon , Seoul National University, Korea, Republic of;*

IAC-17.C3.5-C4.7.2
Utilization of Gas Core Nuclear Reactors for Interstellar Probes and for Interstellar Missions
Ugur Guven, UN CSSTEAP, United States

IAC-17.C3.5-C4.7.3
Design and Development of Nuclear Thermal Propulsion Systems
Michael Houts, NASA Marshall Space Flight Center, United States

IAC-17.C3.5-C4.7.4
Thorium based nuclear energy generation to power Martian settlements
SOURAV KARMAKAR, IIIT-H (research intern), India

IAC-17.C3.5-C4.7.5
Comparison of nuclear technologies for the design of a 1MW to 3MW compact power plant for multiple space uses.
Pierre EVELLIN, International Space University (ISU), France

IAC-17.C3.5-C4.7.6
Nuclear Systems Kilopower Project Overview
Donald Palac, NASA Glenn Research Center, United States

IAC-17.C3.5-C4.7.9
New Possibilities of Solar Power Propulsion Systems
Sergey Finogenov, Moscow Aviation Institute (National Research University, MAI), Russian Federation

IAC-17.C3.5-C4.7.10
The SpaceDrive Project – Developing Revolutionary Propulsion at TU Dresden
Martin Tajmar, TU Dresden, Germany

IAC-17.C3.5-C4.7.11
Improved Performance Estimates for the Solar Wind Ion Focusing Thruster
Thomas Gemmer, North Carolina State University, United States

C4. SPACE PROPULSION SYMPOSIUM

Coordinator(s): Christophe Bonhomme , Centre National d'Etudes Spatiales (CNES), France; Giorgio Saccoccia , European Space Agency (ESA), The Netherlands; Helen Webber , Reaction Engines Ltd., United Kingdom; Riheng Zheng , China Aerospace Science & Industry Corporation (CASIC), China; Toru Shimada , Institute of Space and Astronautical Science (ISAS), Japan Aerospace Exploration Agency, Japan;

C4.1. Propulsion System (1)

September 25 2017, 15:15 — Hall E3

Co-Chair(s): *Christophe Bonhomme , Centre National d'Etudes Spatiales (CNES), France; Patrick Danous , Snecma, France;*
Rapporteur(s): *Akira Ogawara , Mitsubishi Heavy Industries, Ltd., Japan; Vanniyaperumal Narayanan , Indian Space Research Organization (ISRO), India;*

KEYNOTE:

IAC-17.C4.1.1
Development Status of the Cryogenic Oxygen/Hydrogen YF -77 Engine for Long-March 5
Dayong Zheng, Beijing Aerospace Propulsion Institute, China

IAC-17.C4.1.2
Prometheus : European Next Generation Liquid Rocket Engine
Christophe Bonhomme, Centre National d'Etudes Spatiales (CNES), France

IAC-17.C4.1.3
progress summary of engineering model firing tests in le-9 engine development
Masaki Adachi, Mitsubishi Heavy Industries, Ltd., Japan

IAC-17.C4.1.4
Design and Development Status of LE-9 Engine for H3 Launch Vehicle
Hideto Kawashima, JAXA, Japan

IAC-17.C4.1.5
An Overview on the Turbopump Roadmap for the Lumen Demonstrator Engine and on the new Turbine Test Facility
Tobias Traudt, DLR (German Aerospace Center), Germany

IAC-17.C4.1.6
Development Status of the 7tonf LOx/Kerosene Gas Generator Cycle Engine for KSLV-II
CHANG HO NAM, Korea Aerospace Research Institute (KARI), Korea, Republic of

IAC-17.C4.1.7
vinci engine thermo-structural composite nozzle extension for ariane 6
Herve COPERET, Airbus Safran Launchers, France

IAC-17.C4.1.8
Ignition of ADN-based monopropellants – Results of the european project RHEFORM
Christian Hendrich, DLR (German Aerospace Center), Germany

IAC-17.C4.1.9
Prospects for use of powerful LOX-kerosene RD175 and RD176 LPRE for first stage of "Phoenix" LV of middle class and advanced LV of superheavy class.
Oleg Safin, JSC NPO Energomash, Russian Federation

IAC-17.C4.1.10
BOREAS DEMONSTRATION FOR FUTURE LIQUID PROPULSION ENGINES
Stephanie Dreyer, , France

IAC-17.C4.1.10
Continued Development of the Aerojet Rocketdyne AR1 Staged Combustion Booster Rocket Engine
Tom Martin, Aerojet Rocketdyne, United States

IAC-17.C4.1.11 (non-confirmed)
Orion European Service Module Propulsion Subsystem on Fire during Qualification Testing
Markus Jäger, Airbus Defence & Space, Space Systems, Germany

IAC-17.C4.1.12
failure detection of liquid propellant rocket engine using system invariant analysis technology
Masaki Sato, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.C4.1.13
AN ADDITIVELY-MANUFACTURED CNG/GOX AEROSPIKE ROCKET ENGINE: DESIGN PROCESS
Joel Weightman, Monash University, Australia

C4.2. Propulsion System (2)

September 26 2017, 09:45 — Hall E3

Co-Chair(s): *Stéphane Henry , ArianeGroup, France; Toru Shimada , Institute of Space and Astronautical Science (ISAS), Japan Aerospace Exploration Agency, Japan;*
Rapporteur(s): *Yen-Sen Chen , American Institute of Aeronautics and Astronautics (AIAA), Taiwan, China;*

IAC-17.C4.2.1
KEYNOTE: Boris Novozhilov: Life and Contribution to the Physics of Combustion
Vasily Novozhilov, University of Victoria,

IAC-17.C4.2.2
Development of Solid Propulsion System for Enhanced Epsilon Launch Vehicle and Epsilon's Second Launch Results
Koki Kitagawa, Japan Aerospace Exploration Agency (JAXA)/ISAS, Japan

IAC-17.C4.2.3
ariane 6 and vega c programs, the p120C nozzle
ERIC GAUTRONNEAU, Airbus Safran Launchers, France

IAC-17.C4.2.5
Development of a Multi-function Hybrid Sounding Rocket
Yen-Sen Chen, American Institute of Aeronautics and Astronautics (AIAA), Taiwan, China

IAC-17.C4.2.6
Enhanced Solid Propellant Burn Rate Measurement Technique Using X-Ray Real-Time Radiography
Ali Butt, , United States

IAC-17.C4.2.7
Effect of Pressure Loss Devices on the Performance of Hybrid Rocket Systems
Arif Karabeyoglu, Koc University, United States

IAC-17.C4.2.8
Optical Analysis of Liquid Film Instabilities in Paraffin-based Hybrid Rocket Fuels
Anna Petrarolo, German Aerospace Center (DLR), Germany

IAC-17.C4.2.10
Throttling Capability and LOX Vaporization for Hybrid Rocket Engine with Multi-Section Swirl Injection Method
Shigeru Aso, Kyushu University, Japan

IAC-17.C4.2.11
numerical and experimental study of graphite nozzle erosion in hybrid rocket motor with star grain
Hui Tian, Beihang University, China

IAC-17.C4.2.12
Combustion Performance of a Staged Hybrid Rocket with Boron addition
Dongeun Lee, Konkuk University, Korea, Republic of

C4.3. Propulsion Technology (1)

September 27 2017, 09:45 — Hall E3

Co-Chair(s): *Angelo Cervone , Delft University of Technology (TU Delft), The Netherlands; Didier Boury , Ariane Group, France;*
Rapporteur(s): *Elizabeth Driscoll , Aerojet Rocketdyne, United States; John Harlow , Aerojet Rocketdyne, United Kingdom;*

IAC-17.C4.3.1 (non-confirmed)
KEYNOTE: THE AEROJET ROCKETDYNE AR1 STAGED COMBUSTION BOOSTER ROCKET ENGINE
Tom Martin, Aerojet Rocketdyne, United States

IAC-17.C4.3.2
Ablation experimental characterization and numerical investigation of a 3-dimensionally built carbon/phenolic composite for aerospace applications
Michel BERDOYES, Airbus Safran Launchers, France

IAC-17.C4.3.3
Plume Flow Field Analysis for Lander Propulsion System of Chandrayaan-2 Mission
Abhishek Sharma, Indian Space Research Organization (ISRO), India

IAC-17.C4.3.4
Ceramic Catalyst Bed for a Green Liquid Bi-propellant Rocket Engine Using 98% Hydrogen Peroxide as Oxidizer
Pawel Surmacz, Institute of Aviation, Poland

IAC-17.C4.3.5
optical spectroscopy on laser-induced ignition sparks and other space-relevant plasmas
Robert Stützer, DLR (German Aerospace Center), Germany

IAC-17.C4.3.6
experimental investigation of 150n liquid oxygen-liquid methane attitude control engine
Cheng Cheng, Shanghai Insitute of Space Propulsion, China

IAC-17.C4.3.8
Technology Development of an Electrically Driven Pump Fed Storable Liquid Bi-Propellant for a Mars Ascent Vehicle.
David Vaughan, NASA JPL, United States

IAC-17.C4.3.9 (non-confirmed)
Trade-off Study and Thruster System Test of Reaction Control System for Reusable Rocket Boosters
Kiyoshi Kinefuchi, JAXA, Japan

IAC-17.C4.3.10
Additive Manufacturing Development for Rocket Engine in Japan
Akane Nagasaki, Mitsubishi Heavy Industries, Ltd., Japan

IAC-17.C4.3.11
Test of flow deflector proof-of-concept models in LOX/Methane combustion gases.
Yoan Boué, Ariane Group, France

IAC-17.C4.3.12
A Study on the Condensed Primary Combustion Products of Boron-based Fuel-rich Propellant
Wen Ao, Northwestern Ploytechnical University, China

C4.4. Electric Propulsion

September 27 2017, 14:45 — Hall E3

Co-Chair(s): *Garri A. Popov , Research Institute of Applied Mechanics and Electrodynamics, Russian Federation; Vanessa Vial , Safran Aircraft Engines, France;*
Rapporteur(s)*: Nicoletta Wagner , Airbus Defence and Space GmbH, Germany; Norbert Puettmann , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*

IAC-17.C4.4.1 (non-confirmed)
KEYNOTE: Electric Propulsion: Gearing Up for a Spacefaring Future
Mariano Andrenucci, Sitael Spa, Italy

IAC-17.C4.4.2
LIP's Electric Propulsion Development Status Overview
Juntai Yang, Lanzhou Institute of Physics, Electric Propulsion Department, China

IAC-17.C4.4.3
Overview of the Development of the Advanced Electric Propulsion System (AEPS)
Daniel Herman, NASA Glenn Research Center, United States

IAC-17.C4.4.4
Current Status of NASA's NEXT-C Ion Propulsion System Development Project
Rohit Shastry, NASA Glenn Research Center, United States

IAC-17.C4.4.5
Development of High-Voltage Hall Effect Thrusters at Keldysh Research Centre
Alexander Lovtsov, Keldysh Research Center, Russian Federation

IAC-17.C4.4.7
Electric Propulsion at Safran
Vanessa Vial, SAFRAN, France

IAC-17.C4.4.8
Overview of the Electric Propulsion System "HEMP-Thruster Assembly" Status of the Qualification, Lifetime Test and Delivery Status
Norbert Püttmann, DLR, German Aerospace Center, Germany

IAC-17.C4.4.9
IFM Nano Thruster
Alexander Reissner, , Austria

IAC-17.C4.4.10
Cathodic Arc Thruster studied by Particle-in-Cell simulations
Patrick Neumann, Space Industry Association of Australia, Australia

IAC-17.C4.4.11 (non-confirmed)
High speed photography investigation on plasma plume of the ablative pulsed plasma thruster
Hua Zhang, Jiuquan Satellite Launch Center, China

IAC-17.C4.4.13
Thermal Stress and Thermal Deformation Analysis of Grids Assembly for 30cm Diameter Ion Thruster
Mingming Sun, Lanzhou Institute of Physics, China

IAC-17.C4.4.14
Estimation of the ion thruster lifetime on a shortened time base
Ruslan Akhmetzhanov, Research Institute of Applied Mechanics and Electrodynamics, Russian Federation

IAC-17.C4.4.15
The mini-helicon plasma thruster for 'CubeSat' nano-satellites: experiments and simulations
Alex Bennet, Australian National University, Australia

C4.5. Propulsion Technology (2)

September 28 2017, 09:45 — Hall E3

Co-Chair(s): *Jacques Gigou , European Space Agency (ESA), France; Walter Zinner , ArianeGroup, Germany;*
Rapporteur(s): *Max Calabro , The Inner Arch, France; Zvika Zuckerman , Rafael Advanced Defense Systems Ltd., Israel;*

IAC-17.C4.5.1 (non-confirmed)
KEYNOTE: The 1200kN-thrust-class LOX/Kerosene Rocket Engine for China New Generation Launch Vehicle
Hui CHEN, Xi'an Aerospace Propulsion Institute, China

IAC-17.C4.5.2
Modelling of Lunar Lander's Thruster's Exhaust Plume Impingement in Vacuum
Mrigank Sahai, , India

IAC-17.C4.5.3
Experimental investigation of self-excited combustion instabilities with injection coupling in a cryogenic rocket combustor
Wolfgang Armbruster, German Aerospace Center (DLR), Germany

IAC-17.C4.5.4
Numerical Analysis of Combustion and Regenerative Cooling in LOX-Methane Rocket Engine
Abhishek Sharma, Indian Space Research Organization (ISRO), India

IAC-17.C4.5.5
Performance evaluation of water - hot gas ejector system used in liquid rocket engines
Ganesh Paramasivan, ISRO Propulsion Complex, Mahendragiri, India, India

IAC-17.C4.5.7
Modeling and experimental validation for the passive Thermodynamic Vent System (TVS) of cryogenic propellant tank
JunHyuk Bae, Korea Advanced Institute of Science and Technology (KAIST), Korea, Republic of

IAC-17.C4.5.8
Visco-plastic cyclic stress analysis of a semi-cryogenic engine thrust chamber
Krishnajith Jayamani, Liquid Propulsion Systems Centre(LPSC), Indian Space Research Organization (ISRO), India

IAC-17.C4.5.9
catalyst development and testing for ADN-fuel blends
Robert-Jan Koopmans, , Austria

IAC-17.C4.5.10
the flow characteristics study of floating ring seal of liquid rocket engine
Zhuang Suguo, Xi'an Aerospace Propulsion Institute, China

IAC-17.C4.5.11
Effects of numerical simulation models on thermal characteristics of combustion gas flow ejected from gas oxygen/kerosene rocket engine
Junya Yuan, Beihang University (BUAA), China

IAC-17.C4.5.12
Challenges in Realizing Instrumentation and Remote control systems for Testing Cryogenic Engine and stage
Elayaperumal Ezhilrajan, Indian Space Research Organization (ISRO), India

IAC-17.C4.5.13
sensitivity analysis of static parameters for the lox/kerosene rocket engine
Haohai Xu, School of Astronautics,Northwestern Polytechnical University, China

C4.6. New Missions Enabled by New Propulsion Technology and Systems

September 28 2017, 14:45 — Hall E3

Co-Chair(s): *Giorgio Saccoccia , European Space Agency (ESA), The Netherlands; Jerrol Littles , Aerojet Rocketdyne, United States;*
Rapporteur(s): *Alexander Lovtsov , SSC Keldysh Research Centre, Russian Federation; Elena Toson , Space Generation Advisory Council (SGAC), Italy;*

IAC-17.C4.6.2 (non-confirmed)
Application for Spacecraft in Very Low Orbits Based on Air-Breathing Electric Propulsion System
Xiaoye Wang, Lanzhou Institute of Physics, China Academy of Space technology, China

IAC-17.C4.6.3
Design and Development of a Sublimating Solid Propellant Tank for CubeSat and PocketQube Applications
Didier Maxence, Delft University of Technology (TU Delft), The Netherlands

IAC-17.C4.6.4
Electrodynamic wing for LEO spacecraft propulsion
Jianguo Huang, Beijing Institute of Spacecraft Environment Engineering, China

IAC-17.C4.6.5
SYSTEM ANALYSIS AND TEST-BED FOR AN ATMOSPHERE-BREATHING ELECTRIC PROPULSION SYSTEM USING AN INDUCTIVE PLASMA THRUSTER
Francesco Romano, Institute of Space Systems, Universität Stuttgart, Germany

IAC-17.C4.6.6
Feasibility of an Integrated Solar Thermal Power and Propulsion System for Small Satellites
Fiona Leverone, Delft University of Technology (TU Delft), The Netherlands, The Netherlands

IAC-17.C4.6.7
Electric propulsion for high-power deep space transportation system: investigation on mutual influences and preliminary sizing
Martina Mammarella, Politecnico di Torino, Italy

IAC-17.C4.6.8
Stationkeeping with an electrospray propulsion system for low lunar polar mission on a 6U CubeSat
Michele Benetti, Politecnico di Milano, Italy

IAC-17.C4.6.9
Unique Advantages of Hybrid Rocket Technology for Mars Missions
Arif Karabeyoglu, Koc University, United States

IAC-17.C4.6.10
Finding NewSpace: Mission Scenarios Utilizing LOTUS: Lander/Orbiter Trans-Upper Stage
Chrishma Singh-Derewa, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.C4.6.11
Overview and Analysis of Msail and Esail Propulsion for Interplanetary Misions
Harijono Djojodihardjo, , Indonesia

IAC-17.C4.6.12
Increasing the Accuracy of Electric Sail Mission Performance Estimates
Thomas Gemmer, North Carolina State University, United States

C4.7-C3.5.Joint Session on Advanced and Nuclear Power and Propulsion Systems

September 29 2017, 09:00 — Hall E3

Co-Chair(s): *Jerome Breteau , European Space Agency (ESA), France; Leopold Summerer , European Space Agency (ESA), The Netherlands;*
Rapporteur(s): *Constanze Syring , ArianeGroup, Germany; Elizabeth Driscoll , Aerojet Rocketdyne, United States; Koji Tanaka , Japan Aerospace Exploration Agency (JAXA), Japan; Vito Salvatore , CIRA Italian Aerospace Research Center, Capua, Italy; Youngbin Yoon , Seoul National University, Korea, Republic of;*

IAC-17.C4.7-C3.5.2
Utilization of Gas Core Nuclear Reactors for Interstellar Probes and for Interstellar Missions
Ugur Guven, UN CSSTEAP, United States

IAC-17.C4.7-C3.5.3
Design and Development of Nuclear Thermal Propulsion Systems
Michael Houts, NASA Marshall Space Flight Center, United States

IAC-17.C4.7-C3.5.4
Thorium based nuclear energy generation to power Martian settlements
SOURAV KARMAKAR, IIIT-H (research intern), India

IAC-17.C4.7-C3.5.5
Comparison of nuclear technologies for the design of a 1MW to 3MW compact power plant for multiple space uses.
Pierre EVELLIN, International Space University (ISU), France

IAC-17.C4.7-C3.5.6
Nuclear Systems Kilopower Project Overview
Donald Palac, NASA Glenn Research Center, United States

IAC-17.C4.7-C3.5.9
New Possibilities of Solar Power Propulsion Systems
Sergey Finogenov, Moscow Aviation Institute (National Research University, MAI), Russian Federation

IAC-17.C4.7-C3.5.10
The SpaceDrive Project – Developing Revolutionary Propulsion at TU Dresden
Martin Tajmar, TU Dresden, Germany

IAC-17.C4.7-C3.5.11
Improved Performance Estimates for the Solar Wind Ion Focusing Thruster
Thomas Gemmer, North Carolina State University, United States

C4.8. Joint Session between IAA and IAF for Small Satellite Propulsion Systems

September 29 2017, 11:00 — Hall E3

Co-Chair(s): *Arnau Pons Lorente , Space Generation Advisory Council (SGAC), Spain; Jeffery Emdee , The Aerospace Corporation, United States;*
Rapporteur(s): *Elena Toson , Space Generation Advisory Council (SGAC), Italy; Elizabeth Jens , Jet Propulsion Laboratory - California Institute of Technology, United States;*

IAC-17.C4.8-B4.5A.1 (non-confirmed)
KEYNOTE: Progress and challenges of small satellite propulsion systems
Luis Gomes, Surrey Satellite Technology Ltd (SSTL), United Kingdom

IAC-17.C4.8-B4.5A.2
The Pocket Rocket electro-thermal plasma thruster for 'CubeSat' nano-satellites
Christine Charles, , Australia

IAC-17.C4.8-B4.5A.3
A low-cost Helicon Propulsion System to boost small satellite missions.
Marco Manente, , Italy

IAC-17.C4.8-B4.5A.4
mems based micro-propulsion system for cubesats and pocketqubes
Vidhya Pallichadath, Delft Institute Of Technology (TU Delft), The Netherlands

IAC-17.C4.8-B4.5A.7
Recent development of Hydroxylammonium Nitrate (HAN) green liquid monopropellant in Malaysia
Jit Kai Chin, University of Nottingham Malaysia Campus, Malaysia

IAC-17.C4.8-B4.5A.8
Design and Testing of a Hybrid Rocket Motor to Enable Interplanetary CubeSat Missions
Elizabeth Jens, Jet Propulsion Laboratory - California Institute of Technology, United States

IAC-17.C4.8-B4.5A.9
Multi-variable Optimization of Gaseous Oxygen Hybrid Rocket Motors for Small Satellite Propulsion
Flora Mechentel, Stanford University, United States

IAC-17.C4.8-B4.5A.10
development of gap/ap solid propulsion system for ultra-small satellite
Ayana Banno, Chiba Institute of Technology, Japan

IAC-17.C4.8-B4.5A.14
self-pressurized small-satellite propulsion system using supercritical phase transition
Ralf Boden, Department of Engineering ,The University of Tokyo , Japan

C4.9. Hypersonic Air-breathing and Combined Cycle Propulsion

September 26 2017, 14:45 — Hall E3

Co-Chair(s): Helen Webber , Reaction Engines Ltd., United Kingdom; *Riheng Zheng , China Aerospace Science & Industry Corporation (CASIC), China;*
Rapporteur(s): *Salvatore Borrelli , CIRA Italian Aerospace Research Centre, Italy;*

IAC-17.C4.9.1
analysis on the performance of a hypersonic inward turning inlet with three combined channels
Chengxiang Zhu, Xiamen University, China

IAC-17.C4.9.2
Highly reliable life time evaluation approaches for ramjet booster stage of next reusable launch vehicle
Ren Jiawan, , China

IAC-17.C4.9.3
Development of optical diagnostics for the characterization of high-velocity combustion
Owen Pryor, University of Central Florida, United States

IAC-17.C4.9.4
A Pre-cooled and Fuel-rich Pre-burned Mixed-flow Turbofan Cycle for Ground-to-Ma5 Engines
Wei Zhao, Chinese Academy of Sciences, China

IAC-17.C4.9.5
Thermodynamic Analysis of Helium System Cycle for the Precooled Air-breathing Combined Engine
Yan Zhu, Xi'an Aerospace Propulsion Institute, China

IAC-17.C4.9.6
Successful Flight Testing of Scramjet Engine Over Wide Range of Test Conditions
Lazar T. Chitilappilly, Vikram Sarabhai Space Centre (VSSC),

IAC-17.C4.9.7
An efficient approach for tomographic reconstruction in combustion diagnostics
Junling Song, Equipment Academy, China

IAC-17.C4.9.9
Researches on Rocket-Based Combined-Cycle Inlet in Northwestern Polytechnical University
Lei Shi, Northwestern Polytechnical University,NPU, China

IAC-17.C4.9.10
Performance Optimization Method of Turbocharged Solid Propellant Ramjet(TSPR)
Wei Wang, 1. Systems Engineering Institute of Sichuan Aerospace; 2.Science and Technology on Combustion, Internal Flow and Thermal-Structure Laboratory, Northwestern Polytechnical University, China

IAC-17.C4.9.11
a novel liquid rocket-ramjet combined-cycle engine enhanced by a compact internal air turborocket
Duo Zhang, Northwestern Ploytechnical University, China

IAC-17.C4.9.13
Tomography for two-dimensional gas temperature distribution based on tunable diode laser absorption spectroscopy
Fei XING, Xiamen University, China

IAC-17.C4.9.15
Performance Analysis of RBCC-Based TSTO Space Transportation Systems via Multi-Objective Design Optimisation
Philipp Klink, RMIT University (Royal Melbourne Institute of Technology), Australia

IAC-17.C4.9.16
Performance of High Mach Number Scramjets - Tunnel vs Flight
Will Landsberg, University of Queensland, Australia

IAC-17.C4.9.17
Modeling Scramjet Supersonic Combustion via Eddy Dissipation Model
Jimmy-John Hoste, University of Strathclyde, United Kingdom

C4.10. Propulsion Technology (3)

September 29 2017, 11:00 — City Room 4

Co-Chair(s): *Norbert Puettmann , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany; Riheng Zheng , China Aerospace Science & Industry Corporation (CASIC), China;*
Rapporteur(s): *Angelo Cervone , Delft University of Technology (TU Delft), The Netherlands; Jerrol Littles , Aerojet Rocketdyne, United States;*

IAC-17.C4.10.1
Development of a Water Propulsion System for Small Satellites
Nicholas Harmansa, IRS, University of Stuttgart, Germany

IAC-17.C4.10.2
Analysis of the pressure surge during fast transient in evacuated spacecraft feedlines
Cristiano Bombardieri, DLR (German Aerospace Center), Germany

IAC-17.C4.10.3 (non-confirmed)
Numerical and Experiment Research of Nonsymmetric Cavitation Flow in Inducer During Head Drop
Longxian Li, Research & Development Center of China Academy of Launch Vehicle Technology, China

IAC-17.C4.10.6
Catalyst Active Material Derivation for Ethanol-blended Hydrogen Peroxide Monopropellant Thruster
Seungkwan Baek, Korea Advanced Institute of Science and Technology (KAIST), Korea, Republic of

IAC-17.C4.10.7
Hypergolic Ionic Liquids as Green Propellants
Anna Thomas, Stanford University, United States

IAC-17.C4.10.9
Research on Thermal Decomposition of Hydrogen Peroxide For Low Thrust Propulsion System Application
Lukasz Mezyk, Warsaw University of Technology, Poland

IAC-17.C4.10.10
Characterization of Direct Metal Laser Sintered Impinging Injectors: Like-Doublet, Unlike Triplet, Like Quadlet, Unlike Pentad
Deepak Atyam, Purdue University, United States

IAC-17.C4.10.11
Advancement of Rocket Engine Performance through Novel Approaches for Thrust Chamber Design
Markus Ortelt, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.C4.10.12
Combustion dynamics in cryogenic rocket engines: research programme at DLR Lampoldshausen
Justin Hardi, German Aerospace Center (DLR), Germany

D1. SPACE SYSTEMS SYMPOSIUM

Coordinator(s): Jill Prince , National Aeronautics and Space Administration (NASA), United States; Reinhold Bertrand , European Space Agency (ESA), Germany;

D1.1. Innovative and Visionary Space Systems Concepts

September 25 2017, 15:15 — Riverbank 3

Co-Chair(s): *Peter Dieleman , National Aerospace Laboratory (NLR), The Netherlands; Tibor Balint , Royal College of Art, United Kingdom;*
Rapporteur(s): *Camillo Richiello , CIRA Italian Aerospace Research Centre, Italy;*

IAC-17.D1.1.1
A High-Level Decision Support System for Nanosatellites
Hakan Kayal, University Wuerzburg, Germany

IAC-17.D1.1.2
DISCOVERER - Radical Redesign of Earth Observation Satellites for Sustained Operation at Significantly Low Altitudes
Peter C.E Roberts, The University of Manchester, United Kingdom

IAC-17.D1.1.3
The future of ISS: Lifespan extension of the International Space Station after 2024
Daniel Glover, International Space University (ISU), United States

IAC-17.D1.1.4
Multibody tether concept for asteroids capture
Francesco Feltrin, CISAS – "G. Colombo" Center of Studies and Activities for Space, University of Padova, Italy

IAC-17.D1.1.5
Asteroid Redirect Mission Concept using a Variable ISP Plasma Propulsion System
Raffaele Gradini, Skolkovo Institute of Science and Technology, Russian Federation

IAC-17.D1.1.6
Technical aspects of semiconductor structures manufacturing in space environment
Ge Dong, Tsinghua University, China

IAC-17.D1.1.7
Systems engineering for innovative space clothing solution
Eduardo Muñoz, ITA, Brazil

IAC-17.D1.1.8
multi-DOF dynamic simulation and experiment of electromagnetic rendezvous and soft docking operation with real-time feedback control
Qingyun Mao, Shanghai Engineering Center for Microsatellites, China

IAC-17.D1.1.9
Interplanetary cargo transfer vehicle between Earth and Mars: mission analysis and system concept definition
Francesco D'Amico, , United Kingdom

IAC-17.D1.1.10
'Black box' for spacecrafts
Vivek Prabhakar, ISRO Satellite Centre (ISAC),ISRO, India

IAC-17.D1.1.11
Utilizing LOTUS: Lander/Orbiter Trans-Upper Stage for NewSpace Mission Scenarios
Chrishma Singh-Derewa, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

D1.2. Space Systems Architectures

September 26 2017, 14:45 — Riverbank 3

Co-Chair(s): *Franck Durand-Carrier , Centre National d'Etudes Spatiales (CNES), France; Peter Dieleman , National Aerospace Laboratory (NLR), The Netherlands;*
Rapporteur(s): *Jill Prince , National Aeronautics and Space Administration (NASA), United States;*

IAC-17.D1.2.2 (non-confirmed)
A New Era for Reusable Space Systems
Dan Rasky, NASA Ames Research Center, United States

IAC-17.D1.2.3
iBOSS Modular Plug&Play – Standardized Building Block Solutions for Future Space Systems Enhancing Capabilities and Flexibility, Design, Architecture and Operations
Thomas A. Schervan, iBOSS GmbH, Germany

IAC-17.D1.2.4
Finding NewSpace: Mission Scenarios Utilizing LOTUS: Lander/Orbiter Trans-Upper Stage
Chrishma Singh-Derewa, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.D1.2.5
Analysis of an asteroid mining architecture utilizing small spacecraft
Pablo Calla, International Space University (ISU), France

IAC-17.D1.2.8
Design of executable space mission architectures using discrete network flow optimization
Olivier Cornes, Massachusetts Institute of Technology (MIT), Switzerland

IAC-17.D1.2.9
Swarm of autonomous rovers for cooperative planetary exploration
Marco Carpentiero, University of Rome "La Sapienza", Italy

IAC-17.D1.2.10
Economic value proposition for modular architectures
Francesco Feltrin, CISAS – "G. Colombo" Center of Studies and Activities for Space, University of Padova, Italy

IAC-17.D1.2.11
Command Centric Architecture (C2A): Satellite Software Architecture with a Flexible Reconfiguration Capability
Shintaro Nakajima, University of Tokyo, Japan

D1.3. Technologies to Enable Space Systems

September 27 2017, 09:45 — Riverbank 3

Co-Chair(s): *Steven Arnold , The Johns Hopkins University Applied Physics Laboratory, United States; Xavier Roser , Thales Alenia Space France, France;*
Rapporteur(s): *Eiichi Tomita , Japan Aerospace Exploration Agency (JAXA), Japan;*

IAC-17.D1.3.1
NASA Advanced Exploration Systems: Innovative, Rapid Technology Development for Human Spaceflight
Jason Crusan, NASA, United States

IAC-17.D1.3.2
The Application of Deep Learning to Space Missions
Andrew Jones, North Dakota State University, United States

IAC-17.D1.3.3
Artificial satellites substructures identification by automatic input image segmentation.
Marco Ciarambino, Politecnico di Milano, Italy

IAC-17.D1.3.5
Simulation of hypersonic free flight dynamics and support module separation of the HEXAFLY-Int glider
Bodo Reimann, German Aerospace Center (DLR), Germany

IAC-17.D1.3.6
study of heater electric power control with autonomous distributed control
Keisuke Umeda, The University of TOKYO, Graduate school, Japan

IAC-17.D1.3.8
Single Wire Transmission for Space Systems
Nishil Thomas Koshy, , India

IAC-17.D1.3.9
A Series of Spaceborne SoC Designs for Space Applications
Hui Cao, Xi'an Microelectronics Technology Institute, China Academy of Space Electronics Technology (CASET), China Aerospace Science and Technology Corporation (CASC), China

IAC-17.D1.3.11
Development of Software for Space Applications based on ROS and ROS2
Lennart Kryza, Technische Universität Berlin, Germany

D1.4A. Space Systems Engineering - Methods, Processes and Tools (1)

September 27 2017, 14:45 — Riverbank 3

Co-Chair(s): *Dapeng Wang , China Academy of Space Technology (CAST), China; Dmitry Payson , United Rocket and Space Corporation, Russian Federation;*
Rapporteur(s): *Franck Durand-Carrier , Centre National d'Etudes Spatiales (CNES), France;*

IAC-17.D1.4A.1
a systems engineering approach for specifying a combined compact payload test range and near-field scanner facility
Gabriel Gustavo Coronel Mariño, National Institute for Space Research - INPE , Brazil

IAC-17.D1.4A.3
Novel Development Methodologies using a Holistic Virtual Testbed for Modular Satellites
Andre Kupetz, , Germany

IAC-17.D1.4A.4
Statistics and Evaluation of 60+ Concurrent Engineering Studies at DLR
Antonio Martelo, German Aerospace Center (DLR), Bremen, Germany

IAC-17.D1.4A.5
geometric programming for spacecraft conceptual design optimization
Johannes Norheim, Massachusetts Institute of Technology (MIT), United States

IAC-17.D1.4A.6 (non-confirmed)
a pre-design analysis tool for the atmospheric re-entry of spacecraft
Ysolde PREVEREAUD, ONERA - The French Aerospace Lab, France

IAC-17.D1.4A.7
Applied Model-based Systems Engineering to Capture, Connect and Communicate throughout the Lifecycle
Jerry Sellers, Teaching Science and Technology, Inc., United States

IAC-17.D1.4A.9
Integrating Life Cycle Assessment of Space Systems into the Concurrent Design Process
Andrew Wilson, University of Strathclyde, United Kingdom

IAC-17.D1.4A.11
System Design and Multi-disciplinary Optimization of a Novel Space Nested Floating Robot
Yuan Yun, Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences, China

D1.4B. Space Systems Engineering - Methods, Processes and Tools (2)

September 28 2017, 09:45 — Riverbank 3

Co-Chair(s): *Geilson Loureiro , National Institute for Space Research - INPE , Brazil; Norbert Frischauf , , Austria;*
Rapporteur(s): *Otfrid Liepack , National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States;*

IAC-17.D1.4B.1
Using a Model-based Systems Engineering Approach for Exploration Medical System Development
Michael Canga, NASA, United States

IAC-17.D1.4B.2
Navigating the Deployment and Downlink Tradespace for Earth Imaging Constellations
Sreeja Nag, NASA Goddard Space Flight Center / BAERI, United States

IAC-17.D1.4B.3
On Coming In Under Budget and On Performance
William Kosmann, The Astronautics Company, L.P., United States

IAC-17.D1.4B.4
An Unconventional Study: Utilization of the NASA Systems Engineering Handbook to Process and Document the Product Realization of a Small-Scale Project
Tara RuthAnn Sprinkle, , United States

IAC-17.D1.4B.5
The JPL Innovation Foundry A-Team for Advanced Concepts: A Current Status and Capabilities Update
Steve Matousek, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.D1.4B.6 (non-confirmed)
Platform Adoption or Design a Specific Satellite for a Space Mission Development
Otavio Luiz Bogossian, Brazilian National Institute for Space Research - INPE, Brazil

IAC-17.D1.4B.7
Using BPMN to improve AIT Electrical Tests Procedures at Amazonia satellite
Luiz Alexandre da Silva, Instituto Nacional de Pesquisas Espaciais (INPE), Brazil

IAC-17.D1.4B.8
Enabling Product Development Method
Guilherme Venticinque, Instituto Nacional de Pesquisas Espaciais (INPE), Brazil

IAC-17.D1.4B.9
Application of Design Trades to the Development of the Propellant Tank for a Water Micro-Resistojet
Ignacio Granero, Delft University of Technology (TU Delft), The Netherlands

IAC-17.D1.4B.11
Model Based Systems Engineering Applied to ESA's e.Deorbit Mission
Andrew Wolahan, ESTEC, European Space Agency, The Netherlands

D1.5. Lessons Learned in Space Systems: Achievements, Challenges, Best Practices, Standards.

September 29 2017, 09:00 — Riverbank 3

Co-Chair(s): *Eiichi Tomita , Japan Aerospace Exploration Agency (JAXA), Japan; Klaus Schilling , University Wuerzburg, Germany;*
Rapporteur(s): *Otfrid Liepack , National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States;*

IAC-17.D1.5.1
Lessons learned in 20 years of application of Systems Concurrent Engineering (SCE) to Space Products
Geilson Loureiro, Instituto Nacional de Pesquisas Espaciais (INPE), Brazil

IAC-17.D1.5.2 (non-confirmed)
Lessons Learned from Rosetta/Philae
Stephan Ulamec, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.D1.5.4
Standards Developing Organizations: the landscape for Space
Franck Durand-Carrier, Centre National d'Etudes Spatiales (CNES), France

IAC-17.D1.5.5
Lessons learnt during development of Indian Meteorological Electro-Optical payloads
Manish Mehta, Space Applications Centre (ISRO), India

IAC-17.D1.5.6
FELDs Experiment: lessons learned from a new tethered system for spacecraft docking
Davide Petrillo, University of Padova - DII, Italy

D1.6. Cooperative and Robotic Space Systems

September 29 2017, 11:00 — Riverbank 3

Co-Chair(s): *Dapeng Wang , China Academy of Space Technology (CAST), China; Igor V. Belokonov , Samara State Aerospace University, Russian Federation;*
Rapporteur(s): *Steven Arnold , The Johns Hopkins University Applied Physics Laboratory, United States;*

IAC-17.D1.6.1
Distributed Coordination Architecture for Micro-Satellite Formation Flying Control
Youliang Wang, 1: National Space Science Center, Chinese Academy of Sciences;2: University of Chinese Academy of Sciences, China

IAC-17.D1.6.2
Advanced Robotic Automation Technologies for Multi-Satellite System Production
Klaus Schilling, University Wuerzburg, Germany

IAC-17.D1.6.3
On-Orbit Manufacture and Assembly of Spacecraft
Iain Boyd, Science and Technology Policy Institute, United States

IAC-17.D1.6.4
Airbus New Payload Hosting and End-to-end Mission Concepts
Christian Steimle, Airbus Defence and Space, Germany

IAC-17.D1.6.5
Wedge Mating Interfaces for Cooperative Space Robotic Use
Lawrence Gryniewski, MDA, Canada

IAC-17.D1.6.6
Simulating the Servicer/Client Relationship in On-Orbit Servicing Scenarios
Tiago Henrique Matos de Carvalho, Cranfield University, United Kingdom

IAC-17.D1.6.7
Future Technologies for Operating Robots in Space
Jan Harder, Technical University of Munich, Germany

IAC-17.D1.6.8
Multifunctional Interface for Modular Satellite Systems with Robotic Servicing Capabilities
Martin Kortmann, RWTH Aachen University, Germany

IAC-17.D1.6.10
Model-based localization and segmentation of modular satellites using 3D LIDAR point clouds
Marvin Grosse Besselmann, FZI Research Center for Information Technology, Germany

IAC-17.D1.6.11
An online one-step momentum-based inertial parameter identification technique for space robot with unknown linear and angular momentum
Teng Zhang, College of Astronautics,Northwestern Polytechnical University, China

D2. SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS SYMPOSIUM

Coordinator(s): Emmanuelle David , , Germany; Steve Creech , National Aeronautics and Space Administration (NASA), United States;

Secretary(s): Yuguang Yang , China Aerospace Science & Industry Corporation (CASIC), China;

D2.1. Launch Vehicles in Service or in Development

September 25 2017, 15:15 — Hall O

Co-Chair(s): *Giorgio Tumino , European Space Agency (ESA), France; Iwao Igarashi , Mitsubishi Heavy Industries Ltd. - Nagoya Aerospace Systems, Japan;*
Rapporteur(s): *Randolph Kendall , The Aerospace Corporation, United States;*

IAC-17.D2.1.1
The Ariane 6 Launch System, Status
Julio Aprea, European Space Agency (ESA), France

IAC-17.D2.1.2
Ariane 6 Industrialization Concept and Status
Mathieu CHAIZE, Airbus Safran Launchers, France

IAC-17.D2.1.5
The latest development status of H3
Akihiro Sato, Mitsubishi Heavy Industries, Ltd., Japan

IAC-17.D2.1.6
Epsilon's Second Launch Results and Development Status for the Future
Ryoma Yamashiro, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.D2.1.7
NASA's Space Launch System: Progress Report
Jerry Cook, National Aeronautics and Space Administration (NASA)/ Marshall Space Flight Center, United States

IAC-17.D2.1.8
Indian PSLV – A versatile Launch Vehicle with Multi-Mission capability
Ramakrishnan Sundaram, Indian Space Researh Organisation, India

IAC-17.D2.1.10
The research on development of China's heavy launch vehicle
Tong Qin, Beijing institute of Astronautical Systems Engineering, Beijing, China

D2.2. Launch Services, Missions, Operations and Facilities

September 26 2017, 09:45 — Hall O

Co-Chair(s): *Francesco Santoro , Altec S.p.A., Italy; Yves Gerard , Airbus Defence & Space, France;*
Rapporteur(s): *Igor V. Belokonov , Samara State Aerospace University (SSAU), Russian Federation;*

IAC-17.D2.2.2
Design and validation of VEGA launch pad modifications to reduce payload acoustic environment at lift-off
DAVID PALMIERI, ESA/ESRIN, Italy

IAC-17.D2.2.3
Development Status of Ground Facilities for Japan's H3 Launch Vehicle
Akito Hattori, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.D2.2.4
New Japanese Launch Services using H3 Launch System
Ko Ogasawara, , Japan

IAC-17.D2.2.5
A century of satellites in a single rocket- Polar Satellite Launch Vehicle (PSLV's)record breaking mission
Radhakrishnan Durairaj, ISRO, India

IAC-17.D2.2.7
VEGA REAL-TIME GLOBAL TELEMETRY STREAMING VIA THE TDRS SPACE NETWORK
Davide Nicolini, European Space Agency (ESA), Italy

IAC-17.D2.2.9
IMPORTING A SMALL CHINESE LAUNCHER TO OPERATE FROM THE UK
Alan Webb, Commercial Space Technologies Ltd., United Kingdom

IAC-17.D2.2.10
SmallSat Express a future launch service for small satellites
Anne Ytterskog, SSC, Sweden

IAC-17.D2.2.11
Mission Assurance Through Launch Flexibility - Preparing a SmallSat Mission on Multiple Launch Vehicles
Philip Brzytwa, Spaceflight Inc., United States

IAC-17.D2.2.12
Full Range Simulation Test Technology on the Launch Vehicle Control System
Xiaopeng Shang, Beijing Aerospace Automatic Control Institute, China

D2.3. Upper Stages, Space Transfer, Entry and Landing Systems

September 27 2017, 09:45 — Hall O

Co-Chair(s): *Brian Smith , Raytheon Canada Limited, Canada; Chiara Manfletti , ESA, France; Oliver Kunz , RUAG Space, Switzerland;*
Rapporteur(s): *Oleg Ventskovskiy , , Ukraine;*

IAC-17.D2.3.1
Suitability of reusability and in-situ propellant production for a Lunar transportation system
Etienne Dumont, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.D2.3.2
Development of the European Service Module Propulsion Subsystem for the Multi-Purpose Crew Vehicle
Kevin Dickens, NASA Glenn Research Center, United States

IAC-17.D2.3.4
Docking mechanism for the STRONG mission: design, mathematical modeling, and experimental testing
Tharek Mohtar, Politecnico di Torino, Italy

IAC-17.D2.3.5
The adaptive algorithm of separation program for a nanosatellites cluster from space platform executed uncontrolled motion
Denis Avariaskin, Samara State Aerospace University (SSAU), Russian Federation

IAC-17.D2.3.6
deep machine learning in vision based hazard detection for autonomous planetary landings: advancements and ground validation
Marco Ciarambino, Politecnico di Milano, Italy

IAC-17.D2.3.8
Flexible Landing System for Exploration of Rocky Celestial Bodies
Sonali Sinha Roy, SRM University, India, India

IAC-17.D2.3.9
Mission Scenarios Utilizing LOTUS: Lander/Orbiter Trans-Upper Stage
Chrishma Singh-Derewa, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.D2.3.11
Uncertainty-based Multidisciplinary Design Optimization for Launch Vehicle
Xiaohui Wang, Beihang University, China

D2.4. Future Space Transportation Systems

September 27 2017, 14:45 — Hall O

Co-Chair(s): *Charles E. Cockrell Jr. , National Aeronautics and Space Administration (NASA), United States; José Gavira Izquierdo , European Space Agency (ESA), The Netherlands;*
Rapporteur(s): *Philippa Davies , Reaction Engines Ltd., United Kingdom;*

IAC-17.D2.4.1
HTV-X system integration plan
Daisuke Tsujita, Mitsubishi Heavy Industries Ltd. - Nagoya Aerospace Systems, Japan

IAC-17.D2.4.2
Ariane Next : weighting options for the next generation of Ariane launchers.
Jerome VILA, Centre National d'Etudes Spatiales (CNES), France

IAC-17.D2.4.3
Evaluation of Future Ariane Reusable VTOL Booster Stages
Etienne Dumont, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.D2.4.4
Systematic Assessment of Reusable First-Stage Return Options
Martin Sippel, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.D2.4.5
DREAM CHASER FOR EUROPEAN UTILIZATION (DC4EU): ESA PILOT PHASE RESULTS
Marco Berg, OHB System, Germany

IAC-17.D2.4.6
Development plan and demonstration of Japanese reusable launch vehicle
Kotaro Aoki, Mitsubishi Heavy Industries Ltd. Japan, Japan

IAC-17.D2.4.7
design and ground test of an rbcc based two-stage-to-orbit reusable launch vehicle
Chunlin Gong, Northwestern Polytechnical University,NPU, China

IAC-17.D2.4.8
A Conceptual Analysis and Comparison of a Two-Stage-To-Orbit Reusable Launch Vehicle Using Airbreathing Precooling Hypersonic Engines
Jianxing Zhou, Beijing Aerospace Technology Institute, China

IAC-17.D2.4.9
A feasibility study and conceptual proposal of a reusable multistage winged space transportation system with tandem orbiter-carrier connection by horizontal take-off and landing
Yang Tianyang, Moscow Aviation Institute (National Research University, MAI), Russian Federation

IAC-17.D2.4.11
Preliminary Design for Modular SEP Tug Utilizing Dream Chaser Cargo Module
Jonathan Grimm, The Ohio State University College of Engineering, United States

D2.5. Technologies for Future Space Transportation Systems

September 28 2017, 09:45 — Hall O

Co-Chair(s): *Giuseppe Rufolo , CIRA Italian Aerospace Research Centre, France; Patrick M. McKenzie , RUAG Space, United States;*
Rapporteur(s): *Lin Shen , China Academy of Launch Vehicle Technology, China;*

IAC-17.D2.5.1
The Next Frontier: Transportation for the Cislunar Marketplace
Melissa Sampson, United Launch Alliance, United States

IAC-17.D2.5.2
Conceptual Design for Pulsed Arc Propelled Space Tug Services
Patrick Neumann, Space Industry Association of Australia, Australia

IAC-17.D2.5.3
Aerothermal Characteristics of a Gliding Reentry Vehicle with Low Ballistic Coefficient and High Lift-to-drag
Yu Zhefeng, China Aerodynamics Research and Development Center, China

IAC-17.D2.5.4
Technology demonstrations and system design for reusable rocket flight experiments
Satoshi Nonaka, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.D2.5.8
Parachute-landing recovery technology of Launch vehicle stage
Shengbao Wu, , China

IAC-17.D2.5.9
Update on Risk Reduction Activities for a Liquid Advanced Booster for NASA's Space Launch System
Andrew Crocker, Dynetics, United States

IAC-17.D2.5.10
a hydrogen-turbo-pump-powered thrust vector control servo system for high thrust liquid-hydrogen-liquid-oxygen rocket engines
Guanghui Jing, China Academy of Launch Vehicle Technology, China

IAC-17.D2.5.11
ARIANE 6 - New Aerostructures for the new European Launcher
Aicke Patzelt, MT Aerospace AG, Germany

IAC-17.D2.5.13
Research and Development of Revolutionary Low Cost Space Transportations for Space Infrastructure Constructions
Yoshiki Yamagiwa, Shizuoka University, Japan

D2.6. Future Space Transportation Systems Verification and In-Flight Experimentation

September 28 2017, 14:45 — Hall O

Co-Chair(s): *David E. Glass , National Aeronautics and Space Administration (NASA), United States; Sreedhara Panicker Somanath , Indian Space Research Organization (ISRO), India;*
Rapporteur(s): *Tetsuo Hiraiwa , Japan Aerospace Exploration Agency (JAXA), Japan;*

IAC-17.D2.6.1
Upcoming DLR Reusability Flight Experiment
Waldemar Bauer, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.D2.6.2
MINI-IRENE: DESIGN OF DEPLOYABLE HEAT SHIELD CAPSULE FOR A SOUNDING ROCKET FLIGHT EXPERIMENT
Roberto Gardi, CIRA Italian Aerospace Research Centre, Italy

IAC-17.D2.6.3
The Space Rider Programme: End User's Needs and Payload Applications Survey as Driver for Mission and System Definition
Alberto Fedele, CIRA Italian Aerospace Research Centre, Italy

IAC-17.D2.6.4
High altitude UAV development and flight testing
Florin Mingireanu, Romanian Space Agency (ROSA), Romania

IAC-17.D2.6.5
Boosted dart vehicle development and optimization
Florin Mingireanu, Romanian Space Agency (ROSA), Romania

IAC-17.D2.6.7
IXV CMC Thermal Protection System Post-flight Preliminary Analysis
Thierry Pichon, Airbus Safran Launchers, France

IAC-17.D2.6.8
Shefex I+II Post-Flight Analysis: Starting Point for a Virtual Flight Test Environment
Thino Eggers, DLR (German Aerospace Center), Germany

IAC-17.D2.6.9 (non-confirmed)
the modeling and terminal sliding mode fine attitude control for aeroelastic hypersonic vehicle
Jie Liang, , China

IAC-17.D2.6.10
The Need for On Orbit Verification (OOV)
Norbert Püttmann, DLR, German Aerospace Center, Germany

IAC-17.D2.6.11
Agile Mission Assurance for Launch Vehicles
Jeffery Emdee, The Aerospace Corporation, United States

D2.7. Small Launchers: Concepts and Operations

September 26 2017, 14:45 — Hall O

Co-Chair(s): *Harry A. Cikanek , National Oceanic and Atmospheric Administration (NOAA), United States; Nicolas Bérend , ONERA - The French Aerospace Lab, France;*
Rapporteur(s): *Julio Aprea , European Space Agency (ESA), France;*

IAC-17.D2.7.1
LauncherOne: Responsive Launch for Small Satellites
Sirisha Bandla, Virgin Galactic L.L.C, United States

IAC-17.D2.7.3
First results of the H2020 ALTAIR project – Towards an innovative cost-effective air launch system for small satellites
Nicolas Bérend, ONERA - The French Aerospace Lab, France

IAC-17.D2.7.4
Fly Back Booster Design for Mach 5 Scramjet Launch
Joseph Chai, University of Queensland, Australia

IAC-17.D2.7.5
Small Innovative Launcher for Europe: Achievement of the H2020 project SMILE
Bertil Oving, Netherlands Aerospace Centre (NLR), The Netherlands

IAC-17.D2.7.6
Trajectory design of sounding rocket based Nano launcher
Takayuki Yamamoto, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.D2.7.7
BLOOSTAR: THE TEIDE FAMILY OF ENGINES
Jose Mariano Lopez Urdiales, Zero2infinity, Spain

IAC-17.D2.7.8
Design Study of Solid Rocket Booster and LOX/LNG Based Air Launched System
Ali Butt, , United States

IAC-17.D2.7.9
Arion 2: The European and reusable rocket launcher for small satellites
Francisco Garcia, PLD Space, Spain

IAC-17.D2.7.10
Development and Operation of a Hydrocarbon Liquid Propellant Orbital/Sub-Orbital Launcher
Ryuichiro KANAI, Interstellar Technologies Inc., Japan

IAC-17.D2.7.12
Conceptual Design Analysis for a Two-Stage-to-Orbit Semi-Reusable Launch System for Small Satellites
Christie Maddock, University of Strathclyde, United Kingdom

D2.8-A5.4. Space Transportation Solutions for Deep Space Missions

September 29 2017, 09:00 — Hall O

Co-Chair(s): *Charles E. Cockrell Jr. , National Aeronautics and Space Administration (NASA), United States; Ernst Messerschmid , University of Stuttgart, Germany; K. Bruce Morris , RUAG Space, Sweden; Yuguang Yang , China Aerospace Science & Industry Corporation (CASIC), China;*
Rapporteur(s): *Gerhard Schwehm , European Space Agency (ESA), The Netherlands;*

IAC-17.D2.8-A5.4.2
Ariane 6 and space tugs: an enabler for European exploration missions
Frederic Masson, Centre National d'Etudes Spatiales (CNES), France

IAC-17.D2.8-A5.4.3
Architecture Design and Analysis of an Reusable Cislunar Transportation System from LEO Space Station
Zilong Cheng, National University of Defense Technology, China

IAC-17.D2.8-A5.4.4
Long-term Space Propellant Depot
Wang Xiaowei, China Academy of Launch Vehicle Technology, China

IAC-17.D2.8-A5.4.5
NASA's Space Launch System: A Transformative Capability for Deep Space Missions
Steve Creech, National Aeronautics and Space Administration (NASA), United States

IAC-17.D2.8-A5.4.6
Fly Me to the Moon on an SLS Block II
Steven Pietrobon, Small World Communications, Australia

IAC-17. D2.8-A5.4.7
Large size space ship frame for deep space mission created on Earth orbit by direct curing of composite material in free space environment
Alexey Kondyurin, University of Sydney, Australia

IAC-17.D2.8-A5.4.8
Manned Lunar Landing Mission Scale Analysis and Flight Scheme Selection Based on Mission Architecture Matrix
Xiaohui Wang, Beihang University, China

IAC-17.D2.8-A5.4.9
Mission Design of the ispace Commercial Lunar Lander
Chit Hong Yam, ispace, Inc., Japan

D2.9-D6.2. Joint-Session Creating Safe Transportation Systems for Sustainable Commercial Human Spaceflight

September 29 2017, 11:00 — Hall O

Co-Chair(s): *Aline Decadi , HE Space Operations, France;*
Rapporteur(s): *Martin Sippel , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*

IAC-17.D2.9-D6.2.1
Defining Safety criteria for crew transportation systems and Human Spaceflight missions
Aline Decadi, HE Space Operations, France

IAC-17.D2.9-D6.2.2
From Here to There: Developing an International Network of Commercial Spaceports
Brian Gulliver, , United States

IAC-17.D2.9-D6.2.5
Equatorial Launch Australia - A Commercial Space Centre
John Carsten, , United States

D3. 15th IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE EXPLORATION AND DEVELOPMENT

Coordinator(s): Alain Pradier , European Space Agency (ESA), The Netherlands; John C. Mankins , ARTEMIS Innovation Management Solutions, LLC, United States;

D3.1. Strategies & Architectures as the Framework for Future Building Blocks in Space Exploration and Development

September 26 2017, 09:45 — Riverbank 4

Co-Chair(s): *John C. Mankins , ARTEMIS Innovation Management Solutions, LLC, United States; Maria Antonietta Perino , Thales Alenia Space Italia, Italy;*
Rapporteur(s): *Anouck Girard , University of Michigan, United States;*

IAC-17.D3.1.1
Gateway Earth: A Pragmatic Modular Architecture for Space Access and Exploration
Matjaz Vidmar, The University of Edinburgh, United Kingdom

IAC-17.D3.1.2
A Holistic Integration of the Global Space Engineering Sector
Jonathan Faull, International Space University (ISU), Ireland

IAC-17.D3.1.4
DEEP SPACE INDUSTRIALIZATION: Key to Sustainable Exploration, Development and Settlement of the Solar System
Robert Pittman, NASA Ames Research Center, United States

IAC-17.D3.1.5
MaMBA – Moon and Mars Base Analog
Christiane Heinicke, VU Amsterdam, ILEWG, The Netherlands

IAC-17.D3.1.7
Review and Analysis of (European) Building Blocks for a Future Moon Village
David Binns, European Space Agency (ESA), The Netherlands

D3.2. Systems and Infrastructures to Implement Future Building Blocks in Space Exploration and Development

September 27 2017, 09:45 — Riverbank 4

Co-Chair(s): *Paivi Jukola , Aalto University, Finland; Scott Hovland , European Space Agency (ESA), The Netherlands;*
Rapporteur(s): *William H. Siegfried , The Boeing Company, United States;*

IAC-17.D3.2.1
Additive Construction with Mobile Emplacement (ACME)
Robert Mueller, National Aeronautics and Space Administration (NASA), United States

IAC-17.D3.2.2 (non-confirmed)
Energy Considerations for In-Situ Resource Utilisation in a future Space-Based Economy
Mansoor Shar, International Space University (ISU), France

IAC-17.D3.2.3
Master Plan 01: Options and variations for design of complex infrastructure systems
Paivi Jukola, Aalto University, Finland

IAC-17.D3.2.4
Mars Molniya Orbit Atmospheric Resource Mining
Robert Mueller, National Aeronautics and Space Administration (NASA), United States

IAC-17.D3.2.5
Concepts of large size space construction on a way of direct curing in space orbit
Alexey Kondyurin, University of Sydney, Australia

IAC-17.D3.2.6
The First Commercial Airlock Module: Building the Commercial Space Market
Jeffrey Manber, Nanoracks LLC, United States

IAC-17.D3.2.7
Mechanical design of a modular experiment carrier for a terrestrial analog demo mission and its potential for future space exploration
Stephan Siegfried Jahnke, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.D3.2.8
O'Moon: System- and programme-level feasibility analysis for a modular power infrastructure on the Moon
Enrique Garcia Bourne, O'SOL, France

IAC-17.D3.2.10
How the ALINA spacecraft could enable development of a scalable lunar communication and navigation infrastructure
Karsten Becker, PTScientists, Germany

D3.3. Novel Concepts and Technologies to Enable Future Building Blocks in Space Exploration and Development

September 28 2017, 14:45 — Riverbank 4

Co-Chair(s): *Alain Pradier , European Space Agency (ESA), The Netherlands; Christopher Moore , National Aeronautics and Space Administration (NASA), United States;*
Rapporteur(s): *Alain Dupas , European Bank for Reconstruction and Development, France; Junjiro Onoda , Japan Society for Aeronautics and Space Sciences (JSASS), Japan;*

IAC-17.D3.3.1
Overview of NASA Technology Development for In-Situ Resource Utilization (ISRU)
Diane Linne, NASA Glenn Research Center, United States

IAC-17.D3.3.2
Network of Nano-Landers for In-Situ Characterization of Asteroid Impact Studies
Himangshu Kalita, University of Arizona, United States

IAC-17.D3.3.3
Working on Venus and Beyond – SiC electronics for extreme environments
Christer Fuglesang, KTH, Sweden

IAC-17.D3.3.5
Scalability analysis of legged robots for space exploration
Hendrik Kolvenbach, ETHZ, Switzerland

IAC-17.D3.3.6
Research on Intelligent Floating Mars Explorer With Distributed Networked Technology
Ji Li, China Academy of Launch Vehicle Technology, China

IAC-17.D3.3.7
Visual Navigation Technology Combining Star Trackers and Proximity Cameras
Emanuele Medaglia, University of Rome "La Sapienza", Italy

IAC-17.D3.3.8
ispace's 2017 Lunar Mission and Future ISRU Roadmap
Kyle Acierno, , Japan

IAC-17.D3.3.10
O'Moon: Mechanical and thermal design of a modular deployable generator to build a lunar power infrastructure
Swara Rahurkar, Space Engineering Department, Germany

IAC-17.D3.3.11
GreenSat: CubeSat Platform for Biological and Agricultural Experiments
Benjamin Koschnick, UNSW Australia, Australia

D3.4. Space Technology and System Management Practices and Tools

September 28 2017, 09:45 — Riverbank 4

Co-Chair(s): *John C. Mankins , ARTEMIS Innovation Management Solutions, LLC, United States; Paivi Jukola , Aalto University, Finland;*
Rapporteur(s): *Maria Antonietta Perino , Thales Alenia Space Italia, Italy;*

IAC-17.D3.4.1
Virtual Reality to assist the engineering decision-making process: improving the Concurrent Design approach
Loris Franchi, Politecnico di Torino, Italy

IAC-17.D3.4.2
Systems Analysis Modeling of Novel Space Solar Power Concepts
John C. Mankins, ARTEMIS Innovation Management Solutions, LLC, United States

IAC-17.D3.4.3
EUROPEAN APPROACH FOR SPACE EXPLORATION TECHNOLOGY PROCUREMENT: METHODOLOGIES AND TOOLS
Giorgio Saccoccia, European Space Agency (ESA), The Netherlands

IAC-17.D3.4.4
Innovation at Airbus Safran Launchers with a focus on idea creation
Nadja Wolf, Airbus Safran Launchers GmbH, Germany

IAC-17.D3.4.7
The Hardware Development Tool Stack for Future Space Exploration
Simon Vanden Bussche, Valispace, Germany

IAC-17.D3.4.8
The Concept of On-Orbit-Servicing for Next Generation Space System Development and its Key Technologies
Yury Razoumny, Peoples's Friendship University of Russia, Russian Federation

IAC-17.D3.4.9
Study on output evaluation method of Space science project
PEI HAN, Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences, China

IAC-17.D3.4.10
The Australian Defence Science & Technology Space Program
Nick Stacy, Defence Science and Technology Organisation (DSTO), Australia

D4. 15th IAA SYMPOSIUM ON VISIONS AND STRATEGIES FOR THE FUTURE

Coordinator(s): Giuseppe Reibaldi , International Academy of Astronautics (IAA), France; Yu Lu , China Academy of Launch Vehicle Technology, China, China;

D4.1. Innovative Concepts and Technologies

September 25 2017, 15:15 — Riverbank 4

Co-Chair(s): *Giorgio Saccoccia , European Space Agency (ESA), The Netherlands; Roger X. Lenard , LPS, United States;*
Rapporteur(s): *Wang Xiaowei , China Academy of Launch Vehicle Technology, China;*

IAC-17.D4.1.2
This is Not Your Grandfather's Satellite - Future Space craft design and operation deploying Robotics Technologiesff- A DLR Vision -
Bernd Sommer, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.D4.1.3
Future Proofing Australia: Innovative Science and Technology Development Areas to meet Australia's Space Needs
Crystal Forrester, Defence Science and Technology Group (DST Group), Australia

IAC-17.D4.1.4
panacea for time travel problems - black holes, white holes and wormholes
Aditya Mishra, University of Petroleum and Energy Studies, India

IAC-17.D4.1.5
Approaches to Solving the Problem of Switching Over of the Intersatellite Links of a Spacecraft in a Packet Switching Satellite Network
Tatyana V. Labutkina, Dnepropetrovsk National University named after Oles' Gonchar, Ukraine

IAC-17.D4.1.8
Concept shifting from Public to Private GNSS providers
Aurthur Vimalachandran Thomas Jayachandran, Samara University, Russian Federation

IAC-17.D4.1.10
A New, International Space Agency
Yalda Mousavinia, Space Cooperative Inc., United States

IAC-17.D4.1.11
Dyson Sphere used for wireless transmission of energy
Pulak Srivastava, University of Petroleum and Energy Studies, India

D4.2. Contribution of Space Activities to Solving Global Societal Issues

September 27 2017, 14:45 — Riverbank 4

Co-Chair(s): *Giuseppe Reibaldi , International Academy of Astronautics (IAA), France; Yu Lu , China Academy of Launch Vehicle Technology, China, China;*
Rapporteur(s): *Paivi Jukola , Aalto University, Finland;*

IAC-17.D4.2.1
Space for Development Profile and Space Solutions Compendium: Targeting the space needs of countries
Jorge Del Rio Vera, United Nations Office for Outer Space Affairs, Austria

IAC-17.D4.2.2
Space supporting regional challenges: the example of the "5 A" (Arctic, Antarctic, Alps, Atlantic, Africa)
Isabelle Duvaux-Bechon, European Space Agency (ESA), France

IAC-17.D4.2.3
An assessment of new and upcoming space-based and space-derived systems on the Corporate Social Responsibility practices of oil & gas sector corporations
Bethany Downer, International Space University (ISU), Canada

IAC-17.D4.2.4
The role of national space strategies in addressing global societal challenges through outer space
Helena Correia Mendonça, Vieira de Almeida & Associados, Portugal

IAC-17.D4.2.5
The Space Technology to Solving Societal Issues In Bolivia: An Overview
Natalia Indira Vargas-Cuentas, Beihang University (BUAA), China

IAC-17.D4.2.7
Blueprint for Society: Systems Engineering from Space to Earth
Becca Ebert, University of Puget Sound, United States

IAC-17.D4.2.8
Why space colonies will not solve terrestrial problems
Sebastian Hettrich, Space Generation Advisory Council (SGAC), Germany

IAC-17.D4.2.9
Ecodesigning space missions to reduce the environmental impact
Andrew Wolahan, ESTEC, European Space Agency, The Netherlands

IAC-17.D4.2.10
Colonisation of Space or War ? “Show us the jobs, save the planet and win the election!!!” the economic, environmental and political imperative to marketing the space industry through a Martian Analog in Central Australia
Jannene Kyytsonen, , Australia

IAC-17.D4.2.12
ENSURING LONG TERM SURVIVAL OF LIFE AND ECOSYSTEMS : AVOIDING A 6TH GLOBAL EXTINCTION OF LIFE ON EARTH
Veerle Ronsse, , The Netherlands

IAC-17.D4.2.13
Contributions of Space Activities to Solving Global Social Issues
Mu YANG, China Great Wall Industry Corporation, China

IAC-17.D4.2.14
Promoting International Co-operation in the Age of Global Space Governance - A Study on On-Orbit Servicing Operations
S.W. Chiu, University of Cambridge, United Kingdom

D4.3. Conceptualizing Space Elevators and Tethered Satellites

September 28 2017, 14:45 — Riverbank 3

Co-Chair(s): *Akira Tsuchida , Earth-Track Corporation, Japan; Peter Swan , International Space Elevator Consortium, United States;*
Rapporteur(s): *Robert E Penny , Cholla Space Systems, United States;*

IAC-17.D4.3.1
How the Space Elevator Grew into a Galactic Harbour
Peter Swan, International Space Elevator Consortium, United States

IAC-17.D4.3.2
Critical Technologies for Space Elevator’s GEO Nodes, Earth Port, Gates and Communications
Yoji Ishikawa, Obayashi Corporation, Japan

IAC-17.D4.3.3
Suggestions of Research Areas and Future Experiments - Status Report of IAA SG3.24
Yuto Suzuki, Japan Manned Space Systems Corporation, Japan

IAC-17.D4.3.4
Verification of Space Elevator Technologies; Present Status and Future Plan in Japan
Yoshiki Yamagiwa, Shizuoka University, Japan

IAC-17.D4.3.5
Development and Driving Experiment of Climber Mechanism for Heavy Load in Space Elevator
Fumihiro Inoue, Shonan Institute of Technology, Japan

IAC-17.D4.3.6
Design of reel-type tether deployment mechanism and analysis of tether deployment dynamics in the microsatellite STARS-E for verifying the basic technology of space elevator
Kenji Nakashima, , Japan

IAC-17.D4.3.7
An assessment of the technological feasibility of applying GEO-based solar pumped lasers for feeding the Space Elevator exoatmospheric climber
Vadym Pasko, Yuzhnoye State Design Office, Ukraine

IAC-17.D4.3.8
Space Elevator GEO Node, Apex Anchor, and Communications Architecture
Peter Swan, International Space Elevator Consortium, United States

IAC-17.D4.3.9
Thermal Study for the STARS-E Climber's Mission
Tomohiro Kakuta, Nihon University, Japan

IAC-17.D4.3.11
Conceptual Design and Technology Roadmap for a Lunar Space Elevator
Kaveh Razzaghi, Politecnico di Torino - Thales Alenia Space Italia, Italy

IAC-17.D4.3.12
APPLICATIONS OF A TETHER FIXED IN THE MOON TO MANEUVER SPACECRAFTS.
Jorge Nascimento, INPE - Natiional Institute for Space Research, Brazil

IAC-17.D4.3.13
Dynamics Research of Initial Tether Deployment of Lunar Space Elevator
Xiaohui Wang, Beihang University, China

IAC-17.D4.3.14
Regarding the Effect of a Climber's Motion on the Tethered Satellite System
Shun Yokota, Nihon University, Japan

IAC-17.D4.3.15
Towing of Space Debris Using a Tether
Arun Misra, Mc Gill Institute for Aerospace Engineering (MIAE), Canada

IAC-17.D4.3.16
Utilization of Space Elevator in Education and Outreach
Minoru SATO, Tokai University, Japan

D4.4. Strategies for Rapid Implementation of Interstellar Missions: Precursors and Beyond

September 29 2017, 11:00 — Riverbank 4

Co-Chair(s): *Giancarlo Genta , Politecnico di Torino, Italy; Mae Jemison , 100 Year Starship, United States;*
Rapporteur(s): *Louis Friedman , The Planetary Society, United States;*

IAC-17.D4.4.1
A Vision for Planetary and Exoplanets Science: Exploration of the Interstellar Medium – the Space between Stars
Leon Alkalai, National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States

IAC-17.D4.4.2
Near-Term Exploration of the Interstellar Medium
Ralph L. McNutt, Jr., Johns Hopkins University Applied Physics Laboratory, United States

IAC-17.D4.4.3
High-Speed Magnetic-Sail Interstellar Precursor Missions Enabled by Metastable Metallic Hydrogen
Adam Crowl, , Australia

IAC-17.D4.4.4
The breakthrough initiatives: a new search for life in the universe. S. Pete Worden and Pete Klupar1 Break-through Prize Foundation, 3000 Sand Hill Road, 4-180, Menlo Park, CA 94025, USA, pete@breakthroughprize.org.
Peter Klupar, Breakthrough Initiatives, United States

IAC-17.D4.4.5
Earth-to-orbit Beamed Energy eXperiment (EBEX)
Les Johnson, National Aeronautics and Space Administration (NASA)/Marshall Space Flight Center, United States

IAC-17.D4.4.6
Effects of Enhanced Graphene Reflection on Performance of Sun-Launched Starwisp Probes
Gregory Matloff, New York City College of Technology, United States

IAC-17.D4.4.7
Case Study of a Mission to Epsilon Eridani: Unmanned Interstellar Probe Using Gas Core Nuclear Reactors with Early 21st Century Technology
Ugur Guven, UN CSSTEAP, United States

IAC-17.D4.4.8
Interstellar Flight via the Extraction of Orbital Energy from Asteroids using Lorentz-Force-Actuated Ricochet Maneuvers of Pellet Streams
Andrew Higgins, McGill University, Canada

IAC-17.D4.4.9
Unsupervised Learning to Compensate for High Latency in Interstellar and Other Planetary Exploration
Andrew Jones, North Dakota State University, United States

D4.5. Space Mineral Resources, Asteroid Mining and Lunar/Mars insitu

September 29 2017, 09:00 — Riverbank 4

Co-Chair(s): *Peter Swan , International Space Elevator Consortium, United States; Roger X. Lenard , LPS, United States;*
Rapporteur(s): *Susan McKenna-Lawlor , Space Technology (Ireland) Ltd., Ireland;*

IAC-17.D4.5.1
Selling Water at Earth Moon L-1
Peter Swan, International Space Elevator Consortium, United States

IAC-17.D4.5.2
Mining Requirements for Asteroid Ore Extraction
Scott Dorrington, UNSW Australia, Australia

IAC-17.D4.5.3
Power as A Resource
Roger X. Lenard, LPS, United States

IAC-17.D4.5.4
FFC Cambridge process and metallic 3D printing for deep in-situ resource utilisation - a match made on the Moon
Alex Ellery, Space Exploration and Engineering Group, Carleton Univeristy, Canada

IAC-17.D4.5.5
International and US Law on Space Mineral Resources
Robin Frank, National Aeronautics and Space Administration (NASA), United States

IAC-17.D4.5.7 (non-confirmed)
Exploitation of Space Mineral Resources: Energetic particle radiation issues
Susan McKenna-Lawlor, Space Technology Ireland ltd., Ireland

IAC-17.D4.5.9 (non-confirmed)
Developing Water Extraction Mining Model for ISRU to Support A Mars Colony
Serkan Saydam, UNSW Australia, Australia

IAC-17.D4.5.12
moon inc. : the new zealand model of granting legal personality to natural resources applied to space
Eytan Tepper, Institute of Air and Space Law, McGill University, Canada

IAC-17.D4.5.14
National Legislation for Space Resource Utilisation
Devanshu Ganatra, , India

IAC-17.D4.5.15
Tethered spacecraft in an asteroid gravitational environment
Alexander Burov, A.A.Dorodnicyn Computing Centre, FRC Computer Science and Control, Russian Academy of Sciences & Higner School of Economics, Russian Federation

D5. 50th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE MANAGEMENT IN SPACE ACTIVITIES

Coordinator(s): Jeanne Holm , University of California, United States; Roberta Mugellesi-Dow , European Space Agency (ESA), United Kingdom;

D5.1. Safety and Quality for “Low Cost” Space Programs

September 27 2017, 09:45 — Riverbank 5

Co-Chair(s): *Alexander S. Filatyev , Central Aero-HydroDynamic Institute, Russian Federation; Manola Romero , 3AF, France;*
Rapporteur(s): *David Finkleman , International Academy of Astronautics, United States;*

IAC-17.D5.1.3
On Implementing a Balanced Approach to Safety and Mission Assurance for Low-cost Space Missions
Steven Arnold, The Johns Hopkins University Applied Physics Laboratory, United States

IAC-17.D5.1.4
Research on approach of reliability design and evaluation for space launch systems based on mission sections
LIWEI WANG, Beijing Institute of Space Launch Technology, China

IAC-17.D5.1.6
Design of the Spacecraft Health Management Ground Support System Based-on Big Data
Hongzheng Fang, China Aerospace Science & Industry Academy, China

IAC-17.D5.1.8
A SUCCESSFUL COST-EFFECTIVE TAS-I STRATEGY FOR SATELLITES THERMAL VACUUM TEST MANAGEMENT
Grazia Bitetti, Thales Alenia Space Italia (TAS-I), Italy

IAC-17.D5.1.9
Challenges and Novel Approaches for Testing Large Numbers of Small Satellites
Oliver Ruf, Zentrum für Telematik, Germany

D5.2. Knowledge Management and Collaboration in Space Activities

September 28 2017, 09:45 — Riverbank 5

Co-Chair(s): *Lionel Baize , Centre National d'Etudes Spatiales (CNES), France; Roberta Mugellesi-Dow , European Space Agency (ESA), United Kingdom;*
Rapporteur(s): *Jeanne Holm , University of California, United States; Patrick Hambloch , University of Alabama in Huntsville, United States;*

IAC-17.D5.2.1
Space mission design supported by knowledge based systems: autonomous decision making in early design phases
Loris Franchi, Politecnico di Torino, Italy

IAC-17.D5.2.2
Lessons Learned in Running Virtual Organizations and Projects
Seyed Ali Nasseri, Space Generation Advisory Council (SGAC), Canada

IAC-17.D5.2.4
propse a new way----Text clustering method based on knowledge base of the satellite
Miao Su, National Space Science Center (NSSC), China

IAC-17.D5.2.5
A Framework proposal in support of Risk and Knowledge Management integration at the European Space Agency
Maria-Gabriella Sarah, European Space Agency (ESA), France

IAC-17.D5.2.5
Prognostic and Health Management technology study for spacecraft based on intelligent Fault Reasoning
Xing Zhao, China Academy of Launch Vehicle Technology(CALT), China

IAC-17.D5.2.6
Bringing space technology to the energy sector: Managing innovation across boundaries
Christopher Vasko, European Space Agency (ESA), France

IAC-17.D5.2.8
Space Mission Collaboration for the Benefit of Humanity
Yalda Mousavinia, Space Cooperative Inc., United States

IAC-17.D5.2.9
Analysis Of The Use Of Space Technologies In Disaster Response And Management In Relation To The Available Disaster Response Space Platforms And The Economic Status Of The Country Patricia Helen Khwambala – Cape Peninsula University Of Tec
PATRICIA KHWAMBALA, Cape Peninsula University of Technology, South Africa

IAC-17.D5.2.10
Ontology-based Knowledge Management for Space Data
Robert Rovetto, , United States

IAC-17.D5.2.11
Space Business and International Export Control Regimes
Megan Kane, Spire Global, Inc., United States

IAC-17.D5.2.12
Low Cost RFID Based Library Mangement System
Tahir Mushtaq, University of Management and Technology (UMT), Pakistan

D5.3. Prediction, Measurement and Effects of space environment on space missions

September 28 2017, 14:45 — Riverbank 5

Co-Chair(s): *Jean-Francois Roussel , Office National d'Etudes et de Recherches Aérospatiales (ONERA), France; Mengu Cho , Kyushu Institute of Technology, Japan;*
Rapporteur(s): *Justin Likar , UTC Aerospace Systems, United States;*

IAC-17.D5.3.1
space environment monitoring system in new generation geostationary meteorological satellite of china
Xin Zhang, National Space Science Center, Chinese Academy of Sciences, China

IAC-17.D5.3.2
adjustment of practical interface for elfs-charm mounting on a satellite (electron-emitting film for spacecraft charging mitigation)
Atomu Tanaka, Kyushu Institue of Technology, Japan

IAC-17.D5.3.3
Radiation-hardening and testing approach for bringing a terrestrial RF transceiver to the Space environment
Pedro Rodrigues, Tekever, Portugal

IAC-17.D5.3.4
A survey on radiation effect characteristics of computation oriented devices and its leading strategies for a performance demanding avionics design
Hui Cao, Xi'an Microelectronics Technology Institute, China Academy of Space Electronics Technology (CASET), China Aerospace Science and Technology Corporation (CASC), China

IAC-17.D5.3.5
Towards a multi-scale platform to investigate multi- constraints and effects induced by space radiation environments on system boards
Guillaume Hubert, Office National d'Etudes et de Recherches Aérospatiales (ONERA), France

IAC-17.D5.3.6
Tackling Convective Heat Losses within Mars Surface Mission Systems
Siddharth Pandey, University of New South Wales, Australia

IAC-17.D5.3.7
Revealer-FT : Design of a fault tolerant digital signal processor for space missions
Hui Cao, Xi'an Microelectronics Technology Institute, China Academy of Space Electronics Technology (CASET), China Aerospace Science and Technology Corporation (CASC), China

IAC-17.D5.3.8
Solar sail acceleration by thermal desorption utilizing carbon fibers, graphene, and nanotubes
Roman Ya. Kezerashvili, New York City College of Technology, The City University of New York, United States

D5.3. Cyber-Security Threats To Space Missions And Countermeasures To Address Them

September 29 2017, 09:00 — Riverbank 5

Co-Chair(s): *Stefano Zatti , ESA, Italy;*
Rapporteur(s): *Luca del Monte , European Space Agency (ESA), France;*

IAC-17.D5.4.3
Performing Identity and Access Management with GART (GSOC Access Request Tool)
Nadine Perera, DLR (German Aerospace Center), Germany

IAC-17.D5.4.4
SpooQySats: CubeSats to demonstrate quantum key distribution technologies
James Grieve, National University of Singapore, Singapore, Republic of

IAC-17.D5.4.5
SCOUT Multitech SeCurity system for intercOnnected space control groUnd staTions: the System Architecture and the Demonstration Scenario
Luca Fasano, Italian Space Agency (ASI), Italy

D6. SYMPOSIUM ON COMMERCIAL SPACEFLIGHT SAFETY ISSUES

Coordinator(s): Christophe Chavagnac , Airbus Defence and Space SAS, France; John Sloan , Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States;

D6.1. Commercial Space Flight Safety and Emerging Issues

September 26 2017, 09:45 — Riverbank 2

Co-Chair(s): *Christophe Chavagnac , Airbus Defence and Space SAS, France; John Sloan , Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States;*
Rapporteur(s): *Gennaro Russo , Associazione Italiana di Aeronautica e Astronautica (AIDAA), Italy;*

IAC-17.D6.1.2
NASA's Commercial Crew Program Shared Accountability Model
Philip McAlister, NASA, United States

IAC-17.D6.1.3
Human Spaceflight Mishap Investigations: Enabling a Better Model for Future NASA and Commercial Investigations
Daniel Thomas, NASA, United States

IAC-17.D6.1.4
Expectations for Countries Hosting FAA-Licensed Commercial Launches
George Nield, Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States

IAC-17.D6.1.6
From aviation tourism to suborbital space tourism: passenger screening and training issues
Eva Yi-Wei Chang, University of Science & Technology, Taiwan, China

IAC-17.D6.1.7
Development of a Flight Test Program for High Mach Spaceplanes with Daily Operating Capability
Charles Lauer, Rocketplane Global, Inc., United States

IAC-17.D6.1.8
comparative study on simulation of explosion overpressure by launch pad accident
Eun Sang Jung, Pusan National University, Korea, Republic of

D6.2-D2.9. Joint-Session Creating Safe Transportation Systems for Sustainable Commercial Human Spaceflight

September 29 2017, 11:00 — Hall O

Co-Chair(s): *Aline Decadi , HE Space Operations, France;*
Rapporteur(s): *Martin Sippel , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*

IAC-17.D6.2-D2.9.1
Defining Safety criteria for crew transportation systems and Human Spaceflight missions
Aline Decadi, HE Space Operations, France

IAC-17.D6.2-D2.9.2
From Here to There: Developing an International Network of Commercial Spaceports
Brian Gulliver, , United States

IAC-17.D6.2-D2.9.5
Equatorial Launch Australia - A Commercial Space Centre
John Carsten, , United States

D6.3. Enabling safe commercial spaceflight: vehicles and spaceports

September 28 2017, 09:45 — Riverbank 2

Co-Chair(s): *Christophe Chavagnac , Airbus Defence and Space SAS, France; John Sloan , Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States;*
Rapporteur(s): *Francesco Santoro , Altec S.p.A., Italy;*

IAC-17.D6.3.1
Comparison between the US and Europe of Operational and Regulatory Systems for Spaceports with Polar Orbit Access
Charles Lauer, Rocketplane Global, Inc., United States

IAC-17.D6.3.5
italian approach to suborbital commercial space transportation:from setup of harmonized framework to spaceport and ground segment evaluation for enabling operations in the italian territory
Francesco Santoro, Altec S.p.A., Italy

IAC-17.D6.3.6
Next Steps for the Spaceport in Japan - After the New Space Activities Law in Japan
Misuzu Onuki, Space Access Corporation, Japan

IAC-17.D6.3.8 (non-confirmed)
Effects of different altitude on an aircraft and sub orbital flights
AMANJOT SINGH, , India

IAC-17.D6.3.9
A non-optimistic prospect of suborbital space tourism development from launch vehicle and spaceport aspects
Eva Yi-Wei Chang, University of Science & Technology, Taiwan, China

E1. SPACE EDUCATION AND OUTREACH SYMPOSIUM

Coordinator(s): Lisa Antoniadis , EASL, Switzerland; Naomi Mathers , Space Industry Association of Australia, Australia;

E1.1. Ignition - Primary Space Education

September 29 2017, 09:00 — Panorama Room 3

Co-Chair(s): *Carol Carnett , International Space University (ISU), United States; Kaori Sasaki , Japan Aerospace Exploration Agency (JAXA), Japan;*
Rapporteur(s): *Christopher Vasko , European Space Agency (ESA), France; Gulnara T. Omarova , Astrophysical Institute, Kazakhstan;*

IAC-17.E1.1.1
big scientists little scientists and the colonisation of mars
Milorad Cerovac, The King David School, Australia

IAC-17.E1.1.2
Can the Implementation of Aerospace Science in Elementary School Help Girls Maintain Their Confidence and Engagement in Science as They Transition to Middle School?
Margot Solberg, Ecuadorian Civilian Space Agency (EXA), Ecuador

IAC-17.E1.1.3
What can we learn from integrated learning in creating a Space-aware Generation in rural Kenya? A Case Study of Nyandarua County.
Maryanne Muriuki, Space Generation Advisory Council (SGAC), Kenya

IAC-17.E1.1.4
Novae Distribution in the Andromeda Galaxy: A Springboard for Engaging Young Students in Space Science
Kyla Borders, University of Washington, United States

IAC-17.E1.1.5
First steps to space through multimedia education
Sajjad Ghazanfarinia, Satellite Research Institute, Iranian Space Research Center, Iran

IAC-17.E1.1.7
A learning method based on a mission to Mars for primary school children
Lucie Poulet, Université Clermont Auvergne, France

IAC-17.E1.1.8
The Benefits Of Prepared Kits For Education
Jacob Adams, Univeristy of Alabama in Huntsville, United States

IAC-17.E1.1.9
Using a space flown relic to approach space to basic education schools and foster space culture.
Mario Arreola, Agencia Espacial Mexicana (AEM), Mexico

IAC-17.E1.1.11
How holistic interactive experience can inspire the younger generation through voluntary engagement
Fatima AlAydaroos, UAE Space Agency, United Arab Emirates

E1.2. Lift-Off - Secondary Space Education

September 29 2017, 11:00 — Panorama Room 3

Co-Chair(s): *Andrea Jaime , OHB System AG - Munich, Germany; Seyed Ali Nasseri , Space Generation Advisory Council (SGAC), Canada;*
Rapporteur(s): *Carlos Duarte , Agencia Espacial Mexicana (AEM), Mexico; Christopher Vasko , European Space Agency (ESA), France;*

IAC-17.E1.2.2
Implementation of Space-Oriented Interactive Curriculum Units in Australian Secondary Schools
Alexander Linossier, Technische Universität Berlin, Germany

IAC-17.E1.2.4
The Midwestern USA CubeSat High School Outreach Program
Gilbert Fiedler, North Dakota State University, United States

IAC-17.E1.2.5
from class to community : undergraduate student team stem outreach via high altitude balloon
Norilmi Ismail, Universiti Sains Malaysia, Malaysia

IAC-17.E1.2.6
Impact of Hands-on Professional Development Workshop in North Dakota on Secondary Teacher Confidence in Space Sciences
Caitlin Nolby, Department of Space Studies, University of North Dakota, United States

IAC-17.E1.2.7
Measuring the effectiveness of authentic astronomy projects for secondary students through analysis of their interest, motivation, confidence and content acquisition.
Mark Gargano, St Joseph's School, Australia

IAC-17.E1.2.8
expanded education using the falcon telescope network international sites
Kimberlee Gresham, Universities Space Research Association, United States

IAC-17.E1.2.9
Inspiring the Next Generation in Space through Space Outreach in Nigeria
Mofoluso Fagbeja, National Space Research and Development Agency (NASRDA), Nigeria

IAC-17.E1.2.10
Utilization of Can Satellite Training Kits to Promote Space Education and Systems Engineering to High School Students
Rogel Mari Sese, National Space Development Program/Regulus SpaceTech, The Philippines

IAC-17.E1.2.11
Augmenting Pupil's Reality from Space – Learning with Digital Media based on Earth Observation Data from the ISS
Johannes Schultz, Ruhr-University Bochum, Germany

IAC-17.E1.2.12
the effects of space education in "the period for integrated studies" on formal education - cases of two schools in shimosuwa town-
Daisuke Taniguchi, JAXA, Japan

IAC-17.E1.2.13
High School Students Coding for Space: the Zero Robotics Competition
Benjamin Morrell, University of Sydney, Australia

E1.3. On Track - Undergraduate Space Education

September 26 2017, 09:45 — Panorama Room 3

Co-Chair(s): *Camille Alleyne , NASA, United States; Hubert Diez, CNES, France;*
Rapporteur(s): *Michal Kunes , Czech Space Office, Czech Republic;*

IAC-17.E1.3.1
An international and interdisciplinary approach on learning how to design a space station
Gisela Detrell, Institute of Space Systems, University of Stuttgart, Germany

IAC-17.E1.3.2
evaluating the impacts of space club futa in promoting space science and technology in nigeria
Oniosun Temidayo Isaiah, Federal University of Technology Akure, Ondo state, Nigeria, Nigeria

IAC-17.E1.3.3
nano-satellite outreach program's first cubeSat mission
Amel Amin, Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates

IAC-17.E1.3.4
Developing and Conducting a Science Education Program on Human Space Activities
Masaki Nakamiya, Kyoto University, Japan

IAC-17.E1.3.5
SATPRUST: SATELLITE PROTOTYPE FOR UNDERGRADUATE STUDENTS
Cristian Chavez, Pontificia Universidad Catolica de Chile, Chile

IAC-17.E1.3.6
Development of CanSat Kit for Undergraduate Space Education in Nepal
Rakesh Chandra Prajapati, ORION Space, Nepal

IAC-17.E1.3.7
The benefit of project based courses as a "First Contact" between students and space industry
Roger Birkeland, Norwegian University of Science and Technology, Norway

IAC-17.E1.3.8
From the Classroom to Space: Training the Next Generation of Space Engineers with the SABRE CubeSat Platform
Joe Kleespies, University of Florida, United States

IAC-17.E1.3.9
SERA-3, the third supersonic experimental rocket inside PERSEUS project
Kévin MATHIS, Centre National d'Etudes Spatiales (CNES), France

IAC-17.E1.3.10
Space Education Program of the Tokyo University of Science A trial for hands-on space education using realistic materials
Shinichi Kimura, Tokyo University of Science, Japan

IAC-17.E1.3.11
The roles of a Student Rocket Club in the Space Education at Northwestern Polytechnical University, China
Yi Li, Northwestern Polytechnical University, China

IAC-17.E1.3.12
Überflieger - A Student Competition for ISS Experiments
Johannes Weppler, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

E1.4. In Orbit - Postgraduate Space Education

September 26 2017, 14:45 — Panorama Room 3

Co-Chair(s): *Camille Alleyne , NASA, United States; David B. Spencer , The Pennsylvania State University, United States;*
Rapporteur(s): *Remco Timmermans , , The Netherlands; Thierry Dana-Picard , Jerusalem College of Technology (JCT), Israel;*

IAC-17.E1.4.1
Five-year results of the world's first graduate-school-level space engineering fellowship program conducted between the UN and a university – called the PNST program
George Maeda, Kyushu Institue of Technology, Japan

IAC-17.E1.4.2
Space Fundamental Training Program (SFTP), Young Professionals
Heyam Alblooshi, United Arab Emirates Space Agency, United Arab Emirates

IAC-17.E1.4.3
Masters Programs in Space Science and Engineering in Northern Sweden
Victoria Barabash, Luleå University of Technology, Sweden

IAC-17.E1.4.4
SpaceMaster: An International, Interdisciplinary Master in Space Science and Technology
Klaus Schilling, University Wuerzburg, Germany

IAC-17.E1.4.5
Innovations in Space Law Education at the University of Mississippi
Andrea Harrington, University of Mississippi, United States

IAC-17.E1.4.6
Mars Treatymaking Results from ISU SSP 2017
Miles Bengtson, International Space University (ISU), United States

IAC-17.E1.4.7
University based rocketry projects; examining the conditions that make them thrive
Graham Bell, Monash University, Australia

IAC-17.E1.4.8
Norwegian student satellite program – lessons learned
Jøran Grande, NAROM - Norwegian Centre for Space-Related Education, Norway

IAC-17.E1.4.10
An Update on the OpenOrbiter I Mission
Jeremy Straub, North Dakota State University, United States

IAC-17.E1.4.11
The first signs of "Space Fruits" from the International STEM collaboration between the Universities of Alabama in Huntsville in the United States, and the Cape Peninsula University of Technology in South Africa
Ben Groenewald, Cape Peninsula University of Technology, South Africa

IAC-17.E1.4.12
ARCSSTE-E'S Postgraduate Diploma Programme: the journey so far
Oladosu Olakunle, African Regional Center for Space Science and Technology Education in English (ARCSSTE-E), Nigeria

E1.5. Enabling the Future - Developing the Space Workforce

September 27 2017, 14:45 — Panorama Room 3

Co-Chair(s): *Hubert Diez , CNES, France;*
Rapporteur(s): *Amalio Monzon , Airbus Defence and Space, Spain; Olga Zhdanovich , European Space Agency (ESA), The Netherlands;*

IAC-17.E1.5.1
A long term ISU-UNISA partnership: the SHSSP.
Graziella Caprarelli, University of South Australia, Australia

IAC-17.E1.5.2
NASA's eXploration Systems and Habitation (X-Hab) Academic Innovation Challenge
Jason Crusan, NASA, United States

IAC-17.E1.5.3 (non-confirmed)
"Fly Your Satellite": the CubeSat programme of the ESA Academy
Jessica Korzeniowska, , The Netherlands

IAC-17.E1.5.4
20 years of Space School: a longitudinal study of the influence of an extracurricular space education program on Australian secondary school students' study and career choices
Kimberley Clayfield, South Australian Space School, Australia

IAC-17.E1.5.5
LEAP2 and LCATS Industry Clusters: A Framework for Lunar Site Technology Development Using Global Space-STEM Education and Global Space-Industry Development Networks
Samuel Ximenes, WEX Foundation, United States

IAC-17.E1.5.7
Establishing space activities in non-space faring nations: an example of university-based strategic planning
Pauline Faure, LaSEINE, Kyushu Institute of Technology, Japan

IAC-17.E1.5.8
Space Education and Entrepreneurship in Nepal: Current Challenges, Strategies and New Directions
Abinish Kumar Dutta, ORION Space, Nepal

IAC-17.E1.5.9
Developing the Space Workforce at NASA University Research Center for Aerospace Device Research and Educational at North Carolina Central University
Gordana Vlahovic, North Carolina Central University, United States

IAC-17.E1.5.10
The Italy and Kenya space cooperation related to the Broglio Space Centre in Malindi (Kenya) and the development of a Kenyan space workforce
Nunzia Maria Paradiso, ASI - Italian Space Agency, Italy

IAC-17.E1.5.11
Spinning out from small space programs, start-up experience in Costa Rica
Roberto Aguilar, Central American Association for Aeronautics and Space (ACAE), Costa Rica

IAC-17.E1.5.12
Challenges and opportunity in nanosatellite outreach program (NSOP) to develop workforce in space
Hessa Ali, Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates

IAC-17.E1.5.13 (non-confirmed)
Challenges and Prospects of Space Education and Outreach Activities in Ethiopia
Beza Tesfaye Zewdie, Space Generation Advisory Council (SGAC), Ethiopia

IAC-17.E1.5.14
Establishing and Sustaining a Young Professional Programme in an International Space Professional Organization
Stephanie Wan, Space Generation Advisory Council (SGAC), United States

E1.6. Calling Planet Earth - Space Outreach to the General Public

September 25 2017, 15:15 — Panorama Room 3

Co-Chair(s): *Kerrie Dougherty , , Australia; Valerie Anne Casasanto , NASA Goddard/University of Maryland, Baltimore County (UMBC), United States;*
Rapporteur(s): *Frank Friedlaender , Lockheed Martin Space Systems Company, United States; Thierry Dana-Picard , Jerusalem College of Technology (JCT), Israel;*

IAC-17.E1.6.1
KEYNOTE: Building the STEM Pipeline with Rockets, UAVs and CubeSats
Lynn Cominsky, NASA, United States

IAC-17.E1.6.2
Laughing At Mars: Using Comedians & Storytellers For Wide-Spread Public Engagement With Space
Josh Richards, , Australia

IAC-17.E1.6.3
Emirates Mars Mission 2020: Education & Outreach challenges and outcomes
Amel Amin, Mohammed Bin Rashid Space Centre (MBRSC), United Arab Emirates

IAC-17.E1.6.4
Space science outreach - Are we decreasing public understanding?
Isabelle Kingsley, University of New South Wales, Australia

IAC-17.E1.6.5
Implementation of a Comprehensive Media Communications Strategy to Improve Public Perception to the Development of a National Space Program
Rogel Mari Sese, National Space Development Program/Regulus SpaceTech, The Philippines

IAC-17.E1.6.6
The Year of Pluto: Delivering Pluto to the World
Kerri Beisser, The Johns Hopkins University Applied Physics Laboratory, United States

IAC-17.E1.6.7
Why social media works. Successfactors of the ISU Space Studies Program outreach campaign
Remco Timmermans, International Space University (ISU), The Netherlands

IAC-17.E1.6.8
Popularization through a quarter of the space age - 15 years of a space web portal in Hungary
Laszlo Bacsardi, Budapest University of Technology and Economics, Hungary

IAC-17.E1.6.9
Space outreach and the web: The rise of Youtube and its use in engaging the public with space
Lisa Stojanovski, Australian National University, Australia

IAC-17.E1.6.10
“Seeing Stars” - creating excitement about radio astronomy through art
Jerry Skinner, Australian Government, Australia

IAC-17.E1.6.11
Fireballs in the Sky: a global fireball network in our pockets
Renae Sayers, Curtin University, Australia

IAC-17.E1.6.13
Virtual Reality Multi-User Space System Mission Design and Simulation: Engaging the Public Through Open-Source Collaboration
Neil McHenry, Texas A&M University, United States

E1.7. New Worlds - Non-Traditional Space Education and Outreach

September 28 2017, 09:45 — Panorama Room 3

Co-Chair(s): *Olga Zhdanovich , European Space Agency (ESA), The Netherlands; Vera Mayorova , Bauman Moscow State Technical University, Russian Federation;*
Rapporteur(s): *Carol Christian , STScI, United States;*

IAC-17.E1.7.1
SpaceUp Unconferences as a Networking Platform for the New Space Generation
Remco Timmermans, International Space University (ISU), The Netherlands

IAC-17.E1.7.3
Space education for diplomatic circles
Annette Froehlich, LL.M., MAS, European Space Policy Institute (ESPI)German Aerospace Center (DLR), Austria

IAC-17.E1.7.4
Moon/Mars Astronauts Analogue Simulation: Educational project for University and High school.
Melissa Mirino, INAF-IAPS, Italy

IAC-17.E1.7.5
World Space Week: A Platform With Endless Possibilities
Timiebi Aganaba-Jeanty, World Space Week Association, United States

IAC-17.E1.7.6
social media for communication in contemporary space projects and public networks: preliminary findings of mixed-method, multisited ethnographic research
Danielle LeMieux, University of Adelaide, Australia

IAC-17.E1.7.7
A Family Program to Answer Public Frequently Asked Questions about Need to Space
Sajjad Ghazanfarinia, Satellite Research Institute, Iranian Space Research Center, Iran

IAC-17.E1.7.8
Spaceward Bound India 2016: Education and Outreach efforts as a part of an Astrobiology Expedition in the Himalayas
Siddharth Pandey, University of New South Wales, Australia

IAC-17.E1.7.9
Touchable Astronomy: Exploring STEM Careers for the Visually Impaired
Carol Christian, STScI, United States

IAC-17.E1.7.10
Re-discovering Dzhanibekov's phenomenon using non-linear dynamics and Virtual Reality.
Pavel M. Trivailo, RMIT University, Australia, Australia

E1.8. Hands-on Space Education and Outreach

September 27 2017, 09:45 — Panorama Room 3

Co-Chair(s): *Lyn Wigbels , University Corporation for Atmospheric Research, United States; Valerie Anne Casasanto, NASA Goddard/University of Maryland, Baltimore County (UMBC), United States;*
Rapporteur(s): *Andrea Jaime , OHB System AG - Munich, Germany; Remco Timmermans , , The Netherlands;*

IAC-17.E1.8.1
Spacecraft Human: Integrating Health and Wellness into STEM Education
Monica Ebert, School for Independent Learners, United States

IAC-17.E1.8.2
“Motion in the Ocean” A Hands-on Experience in Earth Sciences
Valerie Anne Casasanto, NASA Goddard/University of Maryland, Baltimore County (UMBC), United States

IAC-17.E1.8.3
Embedded Space Education in Malaysia: a Catalyst towards Diverse and Multi-skilled Graduates
Nurul Huda Abd Rahman, Universiti Teknologi MARA (UITM), Malaysia

IAC-17.E1.8.4
GLOBE: A worldwide Hands-on Science and Education Program
Tony Murphy, University Corporation for Atmospheric Research, United States

IAC-17.E1.8.6
Importance, Uses and Demonstration of Hands on Activities for the astronomy Education in Classroom
Suman Gautam, Pokhara Astronomical Society, Nepal

IAC-17.E1.8.7
Science show performance as a tool for space outreach: Lessons learned from the Shell Questacon Science Circus
Lisa Stojanovski, Australian National University, Australia

E1.9. Space Culture – Public Engagement in Space through Culture

September 28 2017, 14:45 — Panorama Room 3

Co-Chair(s): *Lisa Antoniadis , EASL, Switzerland; Nelly Ben Hayoun , Royal Holloway, University of London, United Kingdom;*
Rapporteur(s): *Carol Carnett , International Space University (ISU), United States; Valerie Anne Casasanto , NASA Goddard/ University of Maryland, Baltimore County (UMBC), United States;*

IAC-17.E1.9.1
very very far away (vvfa) – ‘from dissemination to anticipation’ democratising the future using public co-enquiries and serialised fiction podcasts
Sitraka Rakotoniaina, , United Kingdom

IAC-17.E1.9.2
Sci-Fi Convention: Of Sugar, Spice and Everything Space
Sathesh Raj, World Space Week Association, Malaysia

IAC-17.E1.9.3
Astronautics exhibit survey to Science and Technology museums of México
Mario Arreola, Agencia Espacial Mexicana (AEM), Mexico

IAC-17.E1.9.4
love letter to a space rock
Cintia Durán, , Mexico

IAC-17.E1.9.5 (non-confirmed)
Open Access at the European Space Agency as part of its Digital Agenda for Space
Marco Trovatello, ESA, France

IAC-17.E1.9.6
Can artists and creative practitioners help to shape the future of humankind in space beyond design?
Aoife van Linden Tol, , United Kingdom

IAC-17.E1.9.7
Cultural Engagement – Insights from the Rosetta Legacy campaign
Claudia Mignone, VITROCISET for ESA, The Netherlands

IAC-17.E1.9.8
Envisioning the maiden voyage to Mars: Enhancing women participation on the use of space.
Tenda Madima, Parliament of the Republic of South Africa, South Africa

IAC-17.E1.9.9
Engaging Opponents of Space Science and Exploration – Lessons Learned from the March for Science
Marcia Fiamengo, , United States

IAC-17.E1.9.10
Launching an Artist-Astronaut Mission and Bending Horizons in Aeronautics.
Sarah Jane Pell, ESA Topical Team Arts & Science, Australia

IAC-17.E1.9.11 (non-confirmed)
Culinary Arts Challenge: "Space Chocolate"
Allison Rae Hannigan, , United States

IAC-17.E1.9.12
Drawing a gender analysis that documents and describes the gender-specific situations, challenges and opportunities that exist in the Mexican space sector.
LOURDES GARCIA HERNANDEZ, Mexican Space Agency, Mexico

E2. 45th STUDENT CONFERENCE

Coordinator(s): Marco Schmidt , Bochum University of Applied Sciences, Germany; Stephen Brock , American Institute of Aeronautics and Astronautics (AIAA), United States;

E2.1. Student Conference – Part 1

September 26 2017, 14:45 — Riverbank 4

Co-Chair(s): *Benedicte Escudier , Institut Supérieur de l'Aéronautique et de l'Espace (ISAE), France; Franco Bernelli-Zazzera , Politecnico di Milano, Italy;*
Rapporteur(s): *Emmanuel Zenou , SUPAERO- Ecole Nationale Supérieure de l'Aéronautique et de l'Espace, France; Jeong-Won Lee , Korea Aerospace Research Institute (KARI), Korea, Republic of;*

IAC-17.E2.1.2
An Environmental Impact Assessment (EIA) of Insurgency in Maiduguri city, North-East Nigeria.
Henry Ibitolu, Federal University of Technology Akure, Ondo state, Nigeria, Nigeria

IAC-17.E2.1.3
Deconstructing a galaxy: colour distributions of point sources in Messier 83
Alexander Kiar, Center for Planetary Science and Exploration, Western University, Canada

IAC-17.E2.1.4
Optimized methodology for technology roadmaps definition and update for space systems in a System of Systems architecture
Sara Cresto Aleina, Politecnico di Torino, Italy

IAC-17.E2.1.7
Improved Tracklet Correlation for Initial Orbit Determination
Han Cai, Royal Melbourne Institute of Technology (RMIT) University, Australia

IAC-17.E2.1.9
A mission design of a two-person Mars flyby by 2024
Davide Conte, The Pennsylvania State University, United States

IAC-17.E2.1.10
Exploration of the Heliopause using Light-sails
Benjamin Fernando, University of Oxford, United Kingdom

IAC-17.E2.1.11 (non-confirmed)
Feasibility study of a DNA-sequencing CubeSat satellite
Jeremie Joannes, University of Bristol, United Kingdom

IAC-17.E2.1.12 (non-confirmed)
Preliminary design of EPIC, a CubeSat for plume sampling and imaging at Europa
David Gaudin, ESTACA, France

E2.2. Student Conference – Part 2

September 27 2017, 09:45 — Riverbank 2

Co-Chair(s): *Jeong-Won Lee , Korea Aerospace Research Institute (KARI), Korea, Republic of; Marco Schmidt , Bochum University of Applied Sciences, Germany;*
Rapporteur(s): *Benedicte Escudier , Institut Supérieur de l'Aéronautique et de l'Espace (ISAE), France; Carlos Duarte , Agencia Espacial Mexicana (AEM), Mexico;*

IAC-17.E2.2.1
Assessing the effectiveness of debris mitigation guidelines to preserve the space environment given future proposals for large satellite constellations
Samantha Le May, RMIT University (Royal Melbourne Institute of Technology), Australia

IAC-17.E2.2.2
A Novel Approach to Cooling and Service Life Extension in Reusable Rocket Engine Thrust Chambers
Matthew Richardson, University of Tokyo, Japan

IAC-17.E2.2.4
GEO Satellite Conjunction Analysis and Collision Avoidance Strategies
Junho Lee, University of Science & Technology of Korea (UST), Korea, Republic of

IAC-17.E2.2.5
Mission Analysis and Design of MYSat - A 1U Cubesat For Electron-density Measurement
Ahmad Shaqeer Mohamed Thaheer, Universiti Sains Malaysia, Malaysia

IAC-17.E2.2.6
relative state estimation for spacecraft formation flight
Behrad Vatankhahghadim, University of Toronto Institute for Aerospace Studies, Canada

IAC-17.E2.2.7
innovative methods of 3D printing in space
Jan Lukacevic, Czech Technical University In Prague, Czech Republic

IAC-17.E2.2.8
Implementation and test of a low power Attitude Determination and Control System for a CubeSat
Liam Flaherty, University of Adelaide, Australia

IAC-17.E2.2.9
Interpretation of light curves based on simulation software
Daniel Burandt, German Aerospace Center (DLR), Germany

IAC-17.E2.2.10
Moisture sensor for gravitation dependent plant watering
Thomas Maier, Deutsche Gesellschaft für Luft-und Raumfahrt, Lilienthal-Oberth e.V. (DGLR), Germany

IAC-17.E2.2.11
Optimizing the scientific return of MARBLL, the MARs Boundary Layer Lidar experiment developed to prepare the future of Mars 'exploration
Baptiste Chide, ISAE-Supaero University of Toulouse, France

IAC-17.E2.2.12
Development of the Bidirectional Vortex in a Hemispherically-Shaped Rocket Engine
Langston Williams, Auburn University, United States

E2.3-GTS.4. Student Team Competition

September 25 2017, 15:15 — Riverbank 2

Co-Chair(s): *Andrea Jaime , OHB System AG - Munich, Germany; Carolyn Knowles , National Aeronautics and Space Administration (NASA), United States;*
Rapporteur(s): *Michelle Mendes , World Space Week Association, United States;*

IAC-17.E2.3-GTS.4.1
Snow Water Equivalent Altimetry Mission: Enabling Direct Measurement of SWE on Sea Ice and Land in the Cryosphere
Toby Mould, Surrey Space Centre, United Kingdom

IAC-17.E2.3-GTS.4.3
The trajectory analysis and possible architecture of manned Venus and Mars flyby mission in 2021-2023 years.
Kir Latyshev, , Russian Federation

IAC-17.E2.3-GTS.4.4
Technology demonstrator of a rocket carrying a deployable fleet of autonomous gliders
Patrick Spieler, , Switzerland

IAC-17.E2.3-GTS.4.5
MUSE: A novel mission architecture for advancing human spaceflight and science through Moon utilisation
Adam McSweeney, Politecnico di Torino, United Kingdom

IAC-17.E2.3-GTS.4.6
An innovative space tether deployer with retrieval capability: design and microgravity test of STAR Experiment
Gilberto Grassi, University of Padova, Italy

IAC-17.E2.3-GTS.4.7
implementation of a low-cost gps-receiver for a student rocket
Vilde Rieker, Norwegian University of Science and Technology, Norway

IAC-17.E2.3-GTS.4.8
A Novel Lifecycle Extension Plan for the Efficient Usage of On-Orbit Post-Consumer Assets
Jaclyn Wiley, Embry Riddle Aeronautical University, United States

IAC-17.E2.3-GTS.4.9
Design of a Modular High-Altitude Balloon Gondola with a Reaction Wheel Attitude Control System
Jan Clarence Dee, Concordia University, Canada

IAC-17.E2.3-GTS.4.10
Technical Demonstration of a Ground Station Using Open MCT for Communications with LEO CubeSat and High-Altitude Balloon
Zaid Rana, Concordia University, Canada

E2.4. Educational Pico and Nano Satellites

September 29 2017, 09:00 — Riverbank 2

Co-Chair(s): *Xiaozhou Yu , Northwestern Polytechnical University, China;*
Rapporteur(s): *Franco Bernelli-Zazzera , Politecnico di Milano, Italy;*

IAC-17.E2.4.1
A fuzzy PID Controller for Solar Sailing Cubesat
Dnyanada Joshi, College of Engineering, Pune, India

IAC-17.E2.4.2
A mobile, low cost ground station setup with autonomous calibration capability.
Marco Schmidt, Bochum University of Applied Sciences, Germany

IAC-17.E2.4.3
characterisation of a thrust stand to assess micro-thruster performance
Serban Leveratto, Delft University of Technology (TU Delft), The Netherlands

IAC-17.E2.4.4
COEP Satellite Initiative - Management practices of a long term co-curricular interdisciplinary project
Sayed Umair Daimi, College of Engineering, Pune, India

IAC-17.E2.4.5
Latest Status of the four Chinese CubeSats in the QB50 project
Weijian Pang, Shaanxi Engineering Laboratory for Microsatellites, Northwestern Polytechnical University, China

IAC-17.E2.4.6
Beocube: a cubesat for a laser ranging experiment
Amenosis Lopez, TU Braunschweig, Germany

IAC-17.E2.4.7
Development of On Board Computer for a Nanosatellite
Saurabh Raje, Birla Institute of Technology and Science(BITS)-Pilani, India

IAC-17.E2.4.8
Mechanical Feasibility of Additive Manufacturing Plastics As CubeSat Frame Material
John Lim, University of Technology, Sydney, Australia

IAC-17.E2.4.9 (non-confirmed)
SPACE TECHNOLOGY INITIATIVE FOR SAVEGUARD OF ECOLOGICAL ZONES IN XOCHIMILCO
Danton Iván Bazaldua Morquecho, Space Generation Advisory Council (SGAC), Mexico

E3. 30th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND ECONOMICS

Coordinator(s): Bernhard Schmidt-Tedd , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany; Jacques Masson , European Space Agency (ESA), The Netherlands;

E3.1. International Cooperation - a cornerstone of 50 years UN Space Law and space diplomacy

September 26 2017, 09:45 — City Room 4

Co-Chair(s): *Elisabeth Back Impallomeni , University of Padova, Italy; Magda Cocco , Vieira de Almeida & Associados, Portugal;*

IAC-17.E3.1.1
UNISPACE+50: Shared Vision, Common Action
Massimo Pellegrino, United Nations Institute for Disarmament Research (UNIDIR), Switzerland

IAC-17.E3.1.2
COPUOS Simulation Workshop Results from ISU 2017
Emeline De Antonio, International Space University (ISU), France

IAC-17.E3.1.3
Coming to an agreement within UNCOPUOS – consensus decision making revisited
Karoline Marburger, Deutsches Zentrum für Luft- und Raumfahrt, Germany

IAC-17.E3.1.4
Building International Consensus for Humans to Mars
Christopher Carberry, Explore Mars, Inc, United States

IAC-17.E3.1.5
Re-affirming Europe's ambitions in space: Past, Present and Future Perspectives
Ntorina Antoni, Eindhoven University of Technology, The Netherlands

IAC-17.E3.1.6
The African Space Policy: Towards Creating Programmatic Synergies and Complementarities to Foster Africa Development
Ganiyu Agbaje, National Space Research and Development Agency (NASRDA), Abuja Nigeria, Nigeria

IAC-17.E3.1.8
assessment of space programs and policies for regional cooperation in the asia pacific region
Yuichiro Nagai, University of Tokyo, Japan

IAC-17.E3.1.9
Interregional cooperation on the margin of UNCOPUOS: GRULAC-European space activities
Annette Froehlich, LL.M., MAS, European Space Policy Institute (ESPI)German Aerospace Center (DLR), Austria

IAC-17.E3.1.10
Space amongst the giants: a new course for Asia-Pacific Space cooperation
Eren Gorur, , Australia

IAC-17.E3.1.11
MECHANISM OF COOPERATION FOR THE DEVELOPMENT OF A CENTRAL AMERICAN SPACE PROJECT - A REGIONAL CUBESAT
Marco Gomez Jenkins, Costa Rica Institute of Technology (ITCR), Costa Rica

IAC-17.E3.1.12
Role of International Inter-governmental Organizations in Promoting International Cooperation in outer Space: A Case study of APSCO and APRSAF (Comparative Analysis of Formal and Informal Mechanism of Cooperation)
Aisha Jagirani, Beihang University (BUAA), China

E3.2.Private Endeavour in Space Explorations

September 26 2017, 14:45 — City Room 4

Co-Chair(s): *Marc Haese , DLR, German Aerospace Center, Germany; Nicolas Peter , European Space Agency (ESA), France;*

IAC-17.E3.2.1
Creating a Moon Village Association
Max Grimard, World Space Week Association, France

IAC-17.E3.2.2
From aviation tourism to suborbital and orbital space tourisms: legal and regulatory issues
Eva Yi-Wei Chang, University of Science & Technology, Taiwan, China

IAC-17.E3.2.3
ESA - Space 4.0: an umbrella for Partnerships with the private sector
Veronica La Regina, RHEA System B.V., The Netherlands

IAC-17.E3.2.7
Legal Lacunae for Private Missions to Celestial Bodies
Andrea Harrington, University of Mississippi, United States

IAC-17.E3.2.8
Private Space Endeavors: Triggering the Development of Space Law in New Space Era
Zhuoyan Lu, International Space University (ISU), France

IAC-17.E3.2.10
Private Activity/Public Responsibility: Liability for Private Space Activity in the context of State Authorisation and Supervision
Kim Ellis, International Space University (ISU), Australia

IAC-17.E3.2.11
The Private Sector: An International & Domestic Legal Perspective
Devanshu Ganatra, , India

E3.3. The Demand Side of the Space Economic Equation: Understanding and Evaluating the Changing Market Dynamics in Space Activities

September 27 2017, 09:45 — City Room 4

Co-Chair(s): *Claire Jolly , Organisation for Economic Co-operation and Development (OECD), France; Max Grimard , World Space Week Association, France;*

IAC-17.E3.3.1
Analysis of the Commercial Satellite Industry
Anton Dolgopolov, , United States

IAC-17.E3.3.2
Earth Observation Market Dynamic Changing and New Actors
Annamaria Nassisi, Thales Alenia Space Italia, Italy

IAC-17.E3.3.3
Market dynamics and new demand trends in Earth Observation: the cloud revolution and a case study highlighting the potential of geo-spatial information for business intelligence
Luigi Scatteia, PricewaterhouseCoopers Advisory, France

IAC-17.E3.3.4
Demand Assessment of RS and GI in India – Opportunities for Industry Services
Sridhara Murthi K. R., Jain University, India

IAC-17.E3.3.5
Is the market of satellite Earth Imagery capable of supporting new investments and launches under project financing models ?
Giacomo Primo Sciortino, Italian Space Agency (ASI), Italy

IAC-17.E3.3.6
Trends in the Global Small Satellite Ecosystem
Jonathan Behrens, IDA Science and Technology Policy Institute, United States

IAC-17.E3.3.7
The changing launcher landscape – a review of the launch market for small satellites
Alan Webb, Commercial Space Technologies Ltd., United Kingdom

IAC-17.E3.3.8
Do Small Satellites Have the Potential to Disrupt a $109 Billion Satellite Industry Segment?
John Conafay, Bryce Space and Technology, United States

E3.4. Assuring a Safe, Secure and Sustainable Space Environment for Space Activities

September 27 2017, 14:45 — City Room 4

Co-Chair(s): *Ray A. Williamson , , United States;*
Rapporteur(s): Peter Stubbe , German Aerospace Center (DLR), Germany;

IAC-17.E3.4.1
Status update on the Long-Term Sustainability discussions in UN COPUOS
Peter Martinez, University of Cape Town, South Africa

IAC-17.E3.4.3
Japanese Approach to Assume Sustainability in Space
Kazuto Suzuki, Hokkaido University, Japan

IAC-17.E3.4.5
Elements of ESA's Policy on Space and Security
Christina Giannopapa, European Space Agency (ESA), France

IAC-17.E3.4.6
A gradual approach towards space traffic management
Peter Stubbe, DLR (German Aerospace Center), Germany

IAC-17.E3.4.7
The International Dimension of Outer Space Activities: Capacity Building in Space Law and Policy for Small Satellite Developers
Werner R. Balogh, United Nations Office for Outer Space Affairs, Austria

IAC-17.E3.4.8
Supporting the responsible access to space of CubeSat missions
Joost Vanreusel, European Space Agency (ESA), Belgium

IAC-17.E3.4.9
considerations for the long-term sustainability of outer space activities
Susumu Yoshitomi, Japan Space Forum, Japan

IAC-17.E3.4.10
Terrorism in Space. Examining the Issues and Mitigating the Risks.
Nikki Coleman, UNSW Australia, Australia

IAC-17.E3.4.11
Stability, sustainability, and crises: The role tabletop exercises in space crisis dynamics can play in ensuring the long-term sustainability of space.
Victoria Samson, Secure World Foundation, United States

E3.5-E7.6. 32nd Joint IAA/IISL Round Table: Technological and legal challenges for on-orbit servicing

September 28 2017, 09:45 — City Room 4

Co-Chair(s): *Richard Crowther , UK Space Agency, United Kingdom; Tommaso Sgobba , International Association for the Advancement of Space Safety, The Netherlands;*
Rapporteur(s): Marc Haese , DLR, German Aerospace Center, Germany; Nicola Rohner-Willsch , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;

IAC-17.E3.5-E7.6.1
On-Orbit Satellite Servicing: The Future is Now
Dan King, MDA, Canada

IAC-17.E3.5-E7.6..2 (non-confirmed)
On-Orbit Services made real with the Space Tug product line
Michel FREZET, , France

IAC-17.E3.5-E7.6..3 (non-confirmed)
Legal / regulatory aspects / policy / US
Ken Hodgkins, Office of Space and Advanced Technology, United States

IAC-17.E3.5-E7.6..4
Legal Challenges to On-orbit Servicing and a China's perspective
Guoyu Wang, Beijing Institute of technology(BIT), China

IAC-17.E3.5-E7.6.5
Opportunities for Industry-Led Norms of Behavior in On Orbit Services
Ian Christensen, Secure World Foundation, United States

E3.6. Strategic Risk Management for successful space programmes

September 29 2017, 09:00 — City Room 4

Co-Chair(s): *Maria-Gabriella Sarah , European Space Agency (ESA), France; Ruediger Suess , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;*
Rapporteur(s): *David M. Lengyel , George Washington University, United States;*

IAC-17.E3.6.1 (non-confirmed)
Addressing Crew Exploration Physiological and Psychological Risks
Jeevan Perera, NASA, United States

IAC-17.E3.6.3
THE CONCEPT OF "MOON VILLAGE": HUMAN AND SOCIAL SCIENCES FOR THE RISKS PREVENTION
Isabelle Tisserand, 3I3S - Vice-President of 3I3S Cybersecurity Department, France

IAC-17.E3.6.4
Are We Managing the Right Risks in a Technically Challenging Project? Avoiding Waste in a Great Mission With Poor Execution
Chris Stevens, , Australia

IAC-17.E3.6.6
The Systems of Risk Management in the Australian Department of Defence
Michelle Noack, , Australia

IAC-17.E3.6.7
The role of satellites in protecting the integrity of Australia's critical infrastructure
Peter Woodgate, CRCSI, Australia

IAC-17.E3.6.8 (non-confirmed)
Earthquake disaster on the Thales Alenia Space estasblishment – L'Aquila ,6th April 2009
Vincenzo Giorgio, Thales Alenia Space Italia, Italy

IAC-17.E3.6.9
Future Indian Space – Risk Assessment and Organisational Structuring
Mukund Kadursrinivas Rao, National Institute of Advanced Studies (NIAS), India

IAC-17.E3.6.10
Integrate risks & opportunities management in Airbus Safran Launchers programmes
Marc Vales, Airbus Safran Launchers, France

IAC-17.E3.6.11
A Framework proposal in support of Risk and Knowledge Management integration at the European Space Agency (ESA)
Roberta Mugellesi-Dow, European Space Agency (ESA), United Kingdom

IAC-17.E3.6.12
New insurance models evolve with the development of commercial Space Economy
Giacomo Primo Sciortino, Italian Space Agency (ASI), Italy

E4. 51st IAA HISTORY OF ASTRONAUTICS SYMPOSIUM

Coordinator(s): Ake Ingemar Skoog , , Germany; Christophe Rothmund , Airbus Safran Launchers, France; Kerrie Dougherty , , Australia; Otfrid Liepack , National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States;

E4.1. Memoirs and Organisational Histories

September 25 2017, 15:15 — Meeting Room L2

Co-Chair(s): Marsha Freeman , 21st Century Science & Technology, United States; Niklas Reinke , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;
Rapporteur(s): John Charles , NASA Human Research Program, United States; Karlheinz Rohrwild , Hermann-Oberth-Raumfahrt Museum e.V., Germany;

IAC-17.E4.1.1
Krafft Ehricke at 100 Years: The Moral Imperative of Space Exploration
Marsha Freeman, 21st Century Science & Technology, United States

IAC-17.E4.1.2
Karl Cerny – An unknown Austrian rocket Pioneer – 1931–1934
Karlheinz Rohrwild, Internationaler Förderkreis für Raumfahrt – Hermann Oberth – Wernher von Braun e.V., Germany

IAC-17.E4.1.3
Robert Farquhar, the Father of Halo Orbits and Much More
Irene Farquhar, , United States

IAC-17.E4.1.4
Commemoration of the late U.S. Senator and Astronaut John Glenn
Jonathan Grimm, The Ohio State University College of Engineering, United States

IAC-17.E4.1.6
Joseph G. Gavin Jr. and His Contributions to American Aerospace Achievement
Andrew Erickson, Naval War College/Harvard University, United States

IAC-17.E4.1.7
The ESA History Project - Opening a new phase building on achievements
Nathalie Tinjod, European Space Agency (ESA), France

IAC-17.E4.1.8
American R&D Policy and the Push for Small Space Missions at NASA
Jason Callahan, The Planetary Society, United States

IAC-17.E4.1.9
Founding of Korea's Space Program: 1985-1995
Soyoung Chung, Korea Advanced Institute of Science and Technology (KAIST), Korea, Republic of

E4.2. Scientific and Technical Histories

September 28 2017, 14:45 — Meeting Room L2

Co-Chair(s): *Christophe Rothmund , Airbus Safran Launchers, France; Radu Rugescu , Association Dedicated to Development in Astronautics (A.D.D.A), Romania;*
Rapporteur(s): *Paivi Jukola , Aalto University, Finland; William Jones, United States;*

IAC-17.E4.2.1
How Sputnik put a man on the moon
Vera Pinto Gomes, European Commission, Belgium

IAC-17.E4.2.2
The launch of Sputnik as the catalyst for international space law making
Hannes Mayer, Karl Franzens Universität Graz, Austria

IAC-17.E4.2.3
From Sputnik to the Outer Space Treaty: Motivations for creating international organizations and standards in the early space years.
Mia Brown, National Academies of Sciences, Engineering, and Medicine, United States

IAC-17.E4.2.4
The Sputnik Shock and South Korea's Rocket Fever 1958-1969
Hyoung Joon An, Science and Technology Policy Institute, Korea, Republic of

IAC-17.E4.2.6
The Viking Sounding Rocket---Some New Observations
Frank H. Winter, National Air and Space Museum, United States

IAC-17.E4.2.7
Sud X 410/AS², an air-launched tactical missile project
Philippe Jung, Association Aéronautique & Astronautique de France (3AF), France

E4.3A. History of Australia's Contribution to Astronautics

September 28 2017, 09:45 — Meeting Room L2

Co-Chair(s): *Kerrie Dougherty , , Australia; Otfrid Liepack , National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States;*
Rapporteur(s): *Charles Lundquist , University of Alabama in Huntsville, United States; John Harlow , Aerojet Rocketdyne, United Kingdom;*

IAC-17.E4.3A.1
Ken Atock: Australia's Forgotten Rocketeer
Kerrie Dougherty, , Australia

IAC-17.E4.3A.2
The CSIRO Parkes Telescope and the Deep Space Network
John Sarkissian, CSIRO, Australia

IAC-17.E4.3A.3
Australia and the Manned Space Flight Network: From Mercury to Skylab
Kerrie Dougherty, , Australia

IAC-17.E4.3A.4
Australis-OSCAR V and WRESAT: the possible origins of an Australian space program
Kerrie Dougherty, , Australia

E4.3B. "Can you believe they put a man on the Moon?"

September 29 2017, 11:00 — Meeting Room L2

Co-Chair(s): *John Charles , NASA Human Research Program, United States; Vera Pinto Gomes , European Commission, Belgium;*
Rapporteur(s): *Otfrid Liepack , National Aeronautics and Space Administration (NASA)/Jet Propulsion Laboratory, United States;*

IAC-17.E4.3B.1
The Space Race Revisited: The Lunar Landing and its Larger Lessons
Andrew Erickson, Naval War College/Harvard University, United States

IAC-17.E4.3B.2
FROM FRESNEDILLAS APOLLO STATION TO EUROPE'S ONLY LUNAR MUSEUM.
Juan F. Cabrero Gomez, ISDEFE/ESA, Spain

IAC-17.E4.3B.3
The Cultural Impact of the Apollo Missions and the Protection of Cultural Heritage on the Moon
Andrea Harrington, University of Mississippi, United States

IAC-17.E4.3B.4
Witnesses to the space race: Ireland watches the moon landing
Ruth McAvinia, , Ireland

E5. 28th IAA SYMPOSIUM ON SPACE AND SOCIETY

Coordinator(s): Geoffrey Languedoc , Canadian Aeronautics & Space Institute (CASI), Canada; Olga Bannova , University of Houston, United States;

E5.1. Architecture for humans in space: design, engineering, concepts and mission planning

September 26 2017, 14:45 — City Room 1

Co-Chair(s): *Brent Sherwood , Caltech/JPL, United States; Olga Bannova , University of Houston, United States;*
Rapporteur(s): Anna Barbara Imhof , Liquifer Systems Group (LSG), Austria;

IAC-17.E5.1.1
Transdisciplinarity in Space Architecture with Parametric Computation
Craig McCormack, University of Western Australia, Australia

IAC-17.E5.1.3
Moon Lava Tube Habitat Designs –From the Third Space Architecture Contest in Japan
Misuzu Onuki, Space Access Corporation, Japan

IAC-17.E5.1.4
Systems engineering for Mars Polar Research base
Anne-Marlene Rüede, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland

IAC-17.E5.1.5
Designing for maximum adaptability before, during and after spaceflight
Craig McCormack, University of Western Australia, Australia

IAC-17.E5.1.6
Preliminary model to quantify impacts of spacecraft design choices on crew performance
Christine Fanchiang, University of Colorado, Colorado Center for Astrodynamics Research, United States

IAC-17.E5.1.7
The EDEN ISS antarctic greenhouse project – Final design and outcome of the assembly, integration and testing phase
Conrad Zeidler, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

IAC-17.E5.1.8
Libations in Space
Christopher Carberry, Explore Mars, Inc, United States

IAC-17.E5.1.9
Strata Space - a layered approach to space habitat interior designs
Katrine Hesseldahl, Royal College of Art, United Kingdom

IAC-17.E5.1.10
NASA Centennial Challenge: Three Dimensional (3D) Printed Habitat, Phase 2
Robert Mueller, National Aeronautics and Space Administration (NASA), United States

IAC-17.E5.1.11
Essentiality of hHMI (harmonizing Human Material Interaction) in space habitats
Shalini Sahoo, Royal College of Art, United Kingdom

IAC-17.E5.1.12
Architecture for Impact Protection of a Moon Village
James Burke, The Planetary Society, United States

E5.2. Models for Successfully Applying Space Technology Beyond Its Original Intent

September 27 2017, 09:45 — City Room 1

Co-Chair(s): *Nona Minnifield Cheeks , National Aeronautics and Space Administration (NASA)/Goddard Space Flight Center, United States; Olga Bannova , University of Houston, United States;*
Rapporteur(s): *Anna Barbara Imhof , Liquifer Systems Group (LSG), Austria;*

IAC-17.E5.2.1
Collaboration to stimulate innovation in the space sector and encourage cross-fertilization of Earth-Space R&D: a study using bibliometrics and surveys of the Canadian space sector
Annie Martin, Polytechnique Montreal, Canada

IAC-17.E5.2.2
The catalogue of ESA activities supporting the UN Sustainable Development Goals
Isabelle Duvaux-Bechon, European Space Agency (ESA), France

IAC-17.E5.2.3
A survey on the capacities of the Italian space sector to produce technology transfers into space related and space enabled business
Giacomo Primo Sciortino, Italian Space Agency (ASI), Italy

IAC-17.E5.2.4
Accelerating NASA Technology Transfer Through Strategic Intellectual Property Management
Mark Dvorscak, National Aeronautics and Space Administration (NASA), United States

IAC-17.E5.2.5 (non-confirmed)
The importance of the Latin American approach in the development of space technological capabilities: A viewpoint from Mexico
Sofía Andrea Huerta Ramírez, Universidad Nacional Autónoma de México, Mexico

IAC-17.E5.2.6
The Case for Entrepreneurship as the Business Model in the Outer Space Settlements of the Future While Motivating Corporate Responsibility on Earth
Nancy C. Wolfson, Interstellar Travel Meetup, Webster University Worldwide, Washington University and Northern Arizona University, Outer Space Education Alliance L.L.P., United States

E5.3. Contemporary Arts Practice and Outer Space: A Multi-Disciplinary Approach

September 27 2017, 14:45 — City Room 1

Co-Chair(s): *Richard Clar , Art Technologies, United States; Tibor Balint , Royal College of Art, United Kingdom;*
Rapporteur(s): *Ioannis Michaloudis , Charles Darwin University, Australia;*

IAC-17.E5.3.1
The emerging roles of the observer on human space missions
Tibor Balint, Royal College of Art, United Kingdom

IAC-17.E5.3.2
Mothering Grotesque & the White Cube: Dialectics of Art Space and Space Art
Ioannis Michaloudis, Charles Darwin University, Australia

IAC-17.E5.3.4
ArtScience students projects towards a Moon Village
Bernard Foing, ESA/ESTEC, ILEWG & VU Amsterdam, The Netherlands

IAC-17.E5.3.5
Cosmopolitical Bodies: An Architecture of Space
Mikaela Patrick, Royal College of Art, United Kingdom

IAC-17.E5.3.6
Extra/terrestrial Culture: Performance and Outer Space
Felipe Cervera, National University of Singapore, Singapore, Republic of

IAC-17.E5.3.9
Shifting space perspectives: a space prospect on the Antarctic as part of the Antarctic Biennale 2017
Anna Barbara Imhof, Liquifer Systems Group (LSG), Austria

IAC-17.E5.3.10
Flowers behind the back of the universe: a cosmic art project exploring the invisible
Yuri Tanaka, Tokyo University of the Arts, Japan

IAC-17.E5.3.11
Pleading the case for the artist in future human space mission: the Crew 173 experience at Mars Desert Research Station.
Niamh Shaw, , Ireland

E5.4. Space Assets and Disaster Management

September 28 2017, 09:45 — City Room 1

Co-Chair(s): *Geoffrey Languedoc , Canadian Aeronautics & Space Institute (CASI), Canada; Jillianne Pierce , Space Florida, United States;*

IAC-17.E5.4.2
Urban Waste Mapping in Akure Nigeria
Oniosun Temidayo Isaiah, Federal University of Technology Akure, Ondo state, Nigeria, Nigeria

IAC-17.E5.4.3
Systems view of the spatio-temporal resolution of information during hurricanes
Carolynne Hultquist, The Pennsylvania State University, United States

IAC-17.E5.4.4
COSMO-SKYMED ACTIVATION FOR CENTRAL ITALY'S 2016 EARTHQUAKE
Patrizia Sacco, Italian Space Agency (ASI), Italy

IAC-17.E5.4.5
Use of Satellite Images for Droughts Studying: The Bolivian Case
Natalia Indira Vargas-Cuentas, Beihang University (BUAA), China

IAC-17.E5.4.8
Space Innovation Policy for Disaster Management Capabilities: a Case Study on the Nascent Filipino Space Program
Quentin Verspieren, University of Tokyo, Japan

IAC-17.E5.4.9
Current and Future Commercial Space Collaboration for Effective Disaster Management
Sirisha Bandla, Virgin Galactic L.L.C, United States

IAC-17.E5.4.10
Resurrecting Space Guard: Concepts for a Coast Guard of Space
Robert Rovetto, , United States

E5.5. Space Societies, Professional Associations and Museums

September 28 2017, 14:45 — City Room 1

Co-Chair(s)*: Jean-Baptiste Desbois , SEMECCEL Cité de l'Espace, France; Scott Hatton , The British Interplanetary Society, United Kingdom;*
Rapporteur(s)*: Minoo Rathnasabapathy , Space Generation Advisory Council (SGAC), Austria;*

IAC-17.E5.5.1
asia-pacific space generation workshop's ten-year outline on promoting future space collaboration among the next generation
Zihua Zhu, Space Generation Advisory Council (SGAC), Australia

IAC-17.E5.5.2
Developing the space sector on insular territory: Reunion Island case study
Angélique Verrecchia, Reunion Island Space Initiative (RISI), La Reunion

IAC-17.E5.5.3
IAA and SGAC Activities and the IAC'16 framework to foster youth involvement and space awareness in Mexico
Mario Arreola, Agencia Espacial Mexicana (AEM), Mexico

IAC-17.E5.5.5
World Space Week in Croatia: catalyzer for starting national space program
Goran Nikolasevic, World Space Week Association, Croatia

IAC-17.E5.5.7
The First Year of SPACE INSPIRIUM, Lesson Learned from the First Space Museum in Emerging Space Country
Wasanchai Vongsantivanich, Geo-Informatics and Space Technology Development Agency (GISTDA), Thailand

IAC-17.E5.5.8 (non-confirmed)
The colombian space foundation: an attempt to develop the space sector
Camilo Guzman Gomez, UNIVERSIDAD SERGIO ARBOLEDA, Colombia

IAC-17.E5.5.9
women's participation in space activities and the importance of government's support: literature review and critical analysis
Luis Alfaro, EL Salvador Aerospace Institute (ESAI), United States

IAC-17.E5.5.10
Don't Panic: The Curator's Guide to the Galaxy
Lindsay Small, University of Toronto, Canada

IAC-17.E5.5.12
Making Space for Women: a more inclusive space policy in this UNISPACE+50.
LOURDES GARCIA HERNANDEZ, Mexican Space Agency, Mexico

E6. BUSINESS INNOVATION SYMPOSIUM

Coordinator(s): Ken Davidian , Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States;

E6.1. New space individuals, projects, programs, or business units: innovation, entrepreneurship & investment at the microscopic level of analysis

September 26 2017, 09:45 — Riverbank 3

Co-Chair(s): *Ken Davidian , Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States;*

IAC-17.E6.1.1
Entrepreneurial and Innovation Ecosystem for Space: A Handbook on How to Start Your Own Space Company
Norah Patten, International Space University (ISU), Ireland

IAC-17.E6.1.2
Redefining Space Commercialization, Innovation, and Engagement through Public-Private Partnerships
Jason Crusan, NASA, United States

IAC-17.E6.1.3 (non-confirmed)
On Public/Private Relationships in the Space Activities: How Do the Hybrid Actors Influence the Whole Picture?
Dmitry Payson, United Rocket and Space Corporation, Russian Federation

IAC-17.E6.1.4
A Theoretical Construct to Assess the Role of Government in Supporting the Small Satellite Sector
Bhavya Lal, IDA Science and Technology Policy Institute, United States

IAC-17.E6.1.5
ESA Partnership Proposals: an initiative to foster the development of a commercial Low-Earth Orbit Economy
Luigi Scatteia, PricewaterhouseCoopers Advisory, France

IAC-17.E6.1.7 (non-confirmed)
D-Orbit: New Space Solutions From Italy.
Andrea Gini, D-Orbit, The Netherlands

IAC-17.E6.1.8
Lunar Mission One: a new funding model for exploration
David Iron, Lunar Missions Trust, United Kingdom

IAC-17.E6.1.9
monitoring of natural disaster based on synthetic aperture radar satellite in southeast asia
Yuri Yoshihara, The University of TOKYO, Graduate school, Japan

IAC-17.E6.1.10
The Exponential Organization: New Business Model for Hyper-Growth
Farnaz Ghadaki, ExO Works; Fastrack Institute, Canada

IAC-17.E6.1.11
Developing innovative business models for small space programs spin-outs, "DIT Space" start-up experience in Costa Rica
Luis Monge, Central American Association for Aeronautics and Space (ACAE), Costa Rica

IAC-17.E6.1.12
FluroSat: from University Pilot Course to a Start-up
Anastasiia Volkova, University of Sydney, Australia

E6.2. New space industry segments, firms, actor groups, and multiple programs: innovation, entrepreneurship & investment at the mesoscopic level of analysis

September 26 2017, 14:45 — Riverbank 5

Co-Chair(s): *Ken Davidian , Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States;*

IAC-17.E6.2.1
Broadening Benefit as a Pathway to the Widely-Accepted Development of Extra-terrestrial Resources
Michael Simpson, Secure World Foundation, United States

IAC-17.E6.2.2
First-Mover Advantages Impacting Site Occupation Timing and Methodology by Commercial Lunar Resource Firms.
John Culton, , United States

IAC-17.E6.2.4
Winner of the "Space is Business" Paper Writing Competition
Ken Davidian, Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States

IAC-17.E6.2.5
Innovation and Investment Strategies of Commercial Sector Reusable Launch Vehicles
Bethany Downer, International Space University (ISU), Canada

IAC-17.E6.2.6
Challenges and Opportunities of International Collaboration in Launch Vehicle Development Programs
Charles Lauer, Rocketplane Global, Inc., United States

IAC-17.E6.2.7 (non-confirmed)
On Changing Role of Space Risks Insurance and Space Assisted Insurance as Implied by Growing Commercialization of Satellite Applications
Daria Makarova, Peoples's Friendship University of Russia, Russian Federation

IAC-17.E6.2.8
The New Frontier for Space Insurance
Kirby Ikin, Asia Pacific Aerospace Consultants Pty Ltd, Australia

IAC-17.E6.2.9
Space innovation strengthens the socioeconomic fabric of society
Aria Colton, , Australia

IAC-17.E6.2.10 (non-confirmed)
Taikongmedia： A Soft Power of China's Space Power Construction
Hao LIU, China Academy of Space Technology (CAST), China

IAC-17.E6.2.11
2nd European Space Generation Workshop: Market Introduction Strategy for a new European Heavy-Lift Launch Vehicle
Josef Wiedemann, DLR (German Aerospace Center), Germany

E6.3. New space at the national, international, and overall industry levels: innovation, entrepreneurship & investment at the macroscopic level of analysis

September 27 2017, 14:45 — Riverbank 5

Co-Chair(s): *Ken Davidian , Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States;*

IAC-17.E6.3.1
Determinant Factors of Innovation in the Space Sector
Christopher Vasko, European Space Agency (ESA), France

IAC-17.E6.3.2
Research on the Technical Competitiveness of International Aerospace Enterprises from the Perspective of Patent
Xuemei Ma, , China

IAC-17.E6.3.4
Roadmaps and Strategies for Space Sector National Capacity Building
Tom Morten Berge, International Space University (ISU), Norway

IAC-17.E6.3.5
The Transformation of Space in the 21st Century and Analysis of Australian Space Capabilities
William Barrett, Asia Pacific Aerospace Consultants Pty Ltd, Australia

IAC-17.E6.3.6
New Kids on the Block: The Impact of New Start-up Space Companies on the U.S. Space Industry Supply Chain
Phil Smith, Bryce Space and Technology, United States

IAC-17.E6.3.7
Asia Pacific Space Commercialization: Policies and Approach
Stephanie Wan, Space Generation Advisory Council (SGAC), United States

IAC-17.E6.3.8
The Next Wave of NewSpace for Space Commercialization - After Two New Space Laws in Japan
Misuzu Onuki, Space Access Corporation, Japan

IAC-17.E6.3.9
Understanding India's New Space Potential: Implications and Prospects for Europe
Marco Aliberti, European Space Policy Institute (ESPI), Austria

IAC-17.E6.3.10
New Space. A glance at Italy
Simona di Ciaccio, Italian Space Agency (ASI), Italy

IAC-17.E6.3.12
The private sector as creator of space policies: the Colombian case
Camilo Guzman Gomez, UNIVERSIDAD SERGIO ARBOLEDA, Colombia

E7. 60th IISL COLLOQUIUM ON THE LAW OF OUTER SPACE

Coordinator(s): Catherine Doldirina , International Institute of Space Law (IISL), Italy; Diane Howard , International Institute of Space Law (IISL), United States; Lesley Jane Smith , , Germany;

Publication officer(s): PJ Blount , University of Mississippi School of Law, United States; Rafael Moro-Aguilar , Orbspace, Austria;

E7.1. 9th Nandasiri Jasentuliyana Keynote Lecture on Space Law and Young Scholars Session

September 26 2017, 09:45 — Meeting Room L2

Co-Chair(s): *Kai-Uwe Schrogl , European Space Agency (ESA), France; Michael Davis , Space Industry Association of Australia, Australia;*
Rapporteur(s): *Michael Dodge , Institute of Air and Space Law, McGill University, Canada;*

IAC-17.E7.1.1
KEYNOTE: The Outer Space Treaty – its first Fifty Years
Peter Jankowitsch, Austrian Aeronautics & Space Agency, Austria

IAC-17.E7.1.2
Rebus sic stantibus and international space law: The evolution of the Space Treaties in the next fifty years
Dimitra Stefoudi, Leiden University, The Netherlands

IAC-17.E7.1.3
Legal Loophole or Just a Matter of Interpretation? On the Outer Space Treaty's Methodology Test With the Diversification of Space Activities
Merve ERDEM, , Turkey

IAC-17.E7.1.4
Launching from the Moon, Mars and Other Celestial Bodies: a Legal Analysis
Eloi PETROS, IDEST, University Paris Sud, France

IAC-17.E7.1.5
International Trade in Launch Services under the WTO Regime
Joyeeta Chatterjee, Dentons US LLP, United States

IAC-17.E7.1.6
Disarmament in Outer Space: Banning ASAT weapons with soft law?
Takuya Sugimura, , Japan

IAC-17.E7.1.7
Outer Space Treaty 1967 vs. 2017 A Lex specialis or derogation from human rights?
Milan Mijovic, Law School Union University, Serbia

IAC-17.E7.1.9
The Implementation of TCBMs in Outer Space Activities: from the OST principles to the International Space Governance action
Valentina Nardone, , Italy

IAC-17.E7.1.10
The rules of preventing collision in outer space
Huxiao Yang, , China

IAC-17.E7.1.11
Space Traffic Management: Top Priority for Safety Operations
Claudiu Mihai Taiatu, International Institute of Air and Space Law, Leiden University, Romania

IAC-17.E7.1.12
Ideas for the Recent Development of the Draft Set of Guidelines for the Long-Term Sustainability of Outer Space Activities from a Legal Perspective
Jie Long, The University of Hong Kong, Hong Kong

IAC-17.E7.1.13
A SUSTAINABLE ELABORATION OF THE 1967 OUTER SPACE TREATY
Giulia Pavesi, University of Milan, Italy

IAC-17.E7.1.14
Space mining and the enforcement of environmental protection measures in the light of Article IX of the Outer Space Treaty
Federico Bergamasco, , Italy

IAC-17.E7.1.15 (non-confirmed)
rethinking property rights over the natural resources in outer space, including the moon and other celestial bodies.
Iseoluwa Akintunde, , Canada

IAC-17.E7.1.16
The 44%: International Traffic in Arms Regulation and How the United States is Hindering International Cooperation in the Exploration and Use of Outer Space
Marshall Mckellar, , United States

E7.2. 'NewSpace', New Laws/ How governments can foster new space activities

September 26 2017, 14:45 — Meeting Room L2

Co-Chair(s): *Marco Ferrazzani , European Space Agency (ESA), France; PJ Blount , University of Mississippi School of Law, United States;*
Rapporteur(s): *Kamlesh Brocard , Swiss Space Office (SSO), Switzerland;*

IAC-17.E7.2.1
Newspace - putting an end to national prestige and accountability?
Ulrike M. Bohlmann, ESA, France

IAC-17.E7.2.2
Domestic authorization and supervision of private mega-constellations of satellites: pushing the boundaries of international space law?
Fabio Tronchetti, Beihang University (BUAA), China

IAC-17.E7.2.4
Legal Approaches to Network Driven Space Applications
Stefan A. Kaiser, , Germany

IAC-17.E7.2.6
The need to Regulate new space activities on exploration of Space Resources and off-earth mining.
Hamid Kazemi, Aerospace Research Institute, Ministry of Science, Research and Technology, Iran

IAC-17.E7.2.7
Elon, Fly Me to the Moon! Legal Dimensions of Space Tourism beyond Earth Orbit
Larry Martinez, International Institute of Space Law (IISL), United States

IAC-17.E7.2.9 (non-confirmed)
First Considerations for a Practical Handbook to New Space Activities Regulators
Jean-François Mayence, Belgian Federal Science Policy Office (BELSPO), Belgium

IAC-17.E7.2.11
Pondering the Legitimacy of the Outer Space Treaty from the Perspective of Space Natural Resources Exploitation: Is it time to Act instead of React?
Maria Manoli, Institute of Air and Space Law, McGill University, Canada

IAC-17.E7.2.12
The Hague Space Resources Governance Working Group: Second Progress Report and the Way Forward
Tanja Masson-Zwaan, International Institute of Air and Space Law, Leiden University, The Netherlands

IAC-17.E7.2.13
New space activities and legislation: a general overview with a specific reference to the ongoing debate in Italy
Marina Gagliardi, Italian Space Agency (ASI), Italy

IAC-17.E7.2.14
statutory forfeiture of private property and the u.s. space resource exploration and utilization act of 2015
George Anthony Long, , United States

IAC-17.E7.2.15
The NewSpace and the national space insurance regulations
Kinga Kolasa-Sokolowska, , Poland

IAC-17.E7.2.16
Spaceplanes Operating in Airspace: In Search of a Regulatory Regime for Traffic Coordination
George Kyriakopoulos, National and Kapodistrian University Of Athens, Greece

E7.3. Refugees and the role of space communications/Status and Practice of Charter for Man-made Disasters

September 27 2017, 09:45 — Meeting Room L2

Co-Chair(s)*: Catherine Doldirina , International Institute of Space Law (IISL), Italy; Ranjana Kaul , Dua Associates, India;*
Rapporteur(s): *Andrea Harrington , University of Mississippi, United States;*

IAC-17.E7.3.1
Seeing People: Using Satellites for the Benefit of All
PJ Blount, University of Mississippi School of Law, United States

IAC-17.E7.3.2
Assessing Refugee Crises through the Lens of the Outer Space Treaty and Space Technologies
Michael Dodge, University of North Dakota, United States

IAC-17.E7.3.3
Space Communications Supporting Refugees: Legal Aspects
Mahulena Hofmann, University of Luxembourg, Luxemburg

IAC-17.E7.3.4
Copernicus Emergency Management Services: Legal Aspects of the Use of Satellite Images
Sandra Cabrera Alvarado, University of Luxembourg, Luxemburg

IAC-17.E7.3.5
Refugees in Distress: Protection of their Radiocommunication Signals against Harmful Interference
Simona Spassova, University of Luxembourg, Luxemburg

IAC-17.E7.3.7
Satellites and Their Humanitarian Applications: Time to highlight their human aspects?
Sylvia Ospina, S. Ospina & Associates - Consultants, United States

IAC-17.E7.3.8
Remote Sensing and the New European General Data Protection Regulation
Brendan Cohen, Cleary Gottlieb Steen & Hamilton LLP, United States

E7.4. Space law Developments in Asia-Pacific: Diverging national space legislation with regard to the applicability of space law to suborbital flights

September 27 2017, 14:45 — Riverbank 3

Co-Chair(s): *Steven Freeland , Western Sydney University, Australia; Zhenjun Zhang , China Institute of Space Law, China;*
Rapporteur(s): *Anja Nakarada Pecujlic , Cologne University, Germany;*

IAC-17.E7.4.1
Keeping up with the Neighbours? Reviewing National Space Laws to Account for New Technology – the Australian and Canadian Experience
Steven Freeland, Western Sydney University, Australia

IAC-17.E7.4.2
Kiwis in Space: New Zealand's 'Outer Space and High-altitude Activities Bill'
Frans von der Dunk, University of Nebraska-Lincoln, The Netherlands

IAC-17.E7.4.3
When space liability in the space treaties tricles down to national space legislation
Jilian Wang, China Great Wall Industry Corporation, China

IAC-17.E7.4.4
Legal Challenges for Realizing Suborbital Spaceflight in Japan
Yoshiaki Kinoshita, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.E7.4.5
Beidou's global navigation satellite services: regulatory challenges and way forward
Fabio Tronchetti, Beihang University (BUAA), China

IAC-17.E7.4.6
liability for global navigation satellite services: new development in china's space legislation
Kuan Yang, Beijing Institute of Technology, Institute of Space Law, China

IAC-17.E7.4.7
Liability Issues in Suborbital Flight with Reference to National Legislation
Jingjing Nie, Civil Aviation University of China, China

IAC-17.E7.4.9
The Indonesian Space Act – Pristine entrant in the Asia-Pacific Region
KUMAR ABHIJEET, Institute of Air & Space Law, University of Cologne, Germany., India

IAC-17.E7.4.10
the leading role australia could play in fostering uniformity of national space legislations among the asia-pacific countries
Ermanno Napolitano, McGill Univeristy, Canada

IAC-17.E7.4.11
"NewSpace" in China in Needs of New Laws
Xiaodan Wu, China Central University of Finance and Economics, China

IAC-17.E7.4.12
An Enabler or a Barrier?: "NewSpace" and Japan's Two National Space Acts of 2016
Setsuko Aoki, Keio University, Japan

IAC-17.E7.4.13
Development of the New Zealand and Australian Space industries: regulation for a sustainable future
Melissa de Zwart, University of Adelaide, Australia

IAC-17.E7.4.14
New Zealand Enters the Commercial Space Race: The Introduction of the Outer Space and High Altitude Activities Bill 2017 and consideration of Important Australian Influences
Maria A Pozza, Lane Neave Lawyers, New Zealand

E7.5. Current Developments in Space Law

September 29 2017, 09:00 — Meeting Room L2

Co-Chair(s): *Setsuko Aoki , Keio University, Japan; Yun Zhao , The University of Hong Kong, Hong Kong;*
Rapporteur(s): *Olga Volynskaya , ROSCOSMOS, Russian Federation;*

IAC-17.E7.5.2 (non-confirmed)
the legal status on near space
Shouping Li, Beijing Institute of Technology, China

IAC-17.E7.5.3
Legal Implications of Operational Information for Sustainable Space Activities
Yu Takeuchi, Japan Aerospace Exploration Agency (JAXA), Japan

IAC-17.E7.5.4
Emerging Approaches in Development Efforts: Chinese Perspective on Space and Sustainable Development
Yun Zhao, The University of Hong Kong, Hong Kong

IAC-17.E7.5.5
The Manual of International Law Applicable to Military Uses of Outer Space
Dale Stephens, University of Adelaide, Australia

IAC-17.E7.5.6
Deterrence and International Space Law
José Monserrat-Filho, Brazilian Space Agency (AEB), Brazil

IAC-17.E7.5.7
The Use of Space Technology Export Controls as a Bargaining Solution for Sustainability: A Chicago Convention Model of Space Governance
Gilles Doucet, Institute of Air and Space Law, McGill University, Canada

IAC-17.E7.5.9
reconstructing copuos: the pressing, missing development in space law
Eytan Tepper, Institute of Air and Space Law, McGill University, Canada

IAC-17.E7.5.10
Lacunae and Silence in International Space Law - A Hypothetical Advisory Opinion from the International Court of Justice
Michael Simpson, Secure World Foundation, United States

IAC-17.E7.5.11
The U.N. Registry of Space Objects: Its Accuracy, Effectiveness and Efficiency as New Technology and New Actors Expand Space Operations
Henry Hertzfeld, Space Policy Institute, George Washington University, United States

IAC-17.E7.5.12
Perspectives on Commercial Spaceport Insurance to Minimize Potential Liability Resulting from a Catastrophic Launch Failure
Melissa Kemper Force, Spaceport America, United States

IAC-17.E7.5.13
Accommodating New Commercial Space Applications in the Global Legal/Regulatory Framework: An Evolutionary Approach to Launching the New Space Revolution
Audrey Allison, The Boeing Company, United States

IAC-17.E7.5.14 (non-confirmed)
Current Developments in Export Control and Space Law
Robin Frank, National Aeronautics and Space Administration (NASA), United States

E7.6-E3.5. 32nd Joint IAA/IISL Round Table: Technological and legal challenges for on-orbit servicing

September 28 2017, 09:45 — City Room 4

Co-Chair(s): *Richard Crowther , UK Space Agency, United Kingdom; Tommaso Sgobba , International Association for the Advancement of Space Safety, The Netherlands;*
Rapporteur(s): Marc Haese , DLR, German Aerospace Center, Germany; Nicola Rohner-Willsch , Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany;

IAC-17.E7.6-E3.5.1
On-Orbit Satellite Servicing: The Future is Now
Dan King, MDA, Canada

IAC-17.E7.6-E3.5.2 (non-confirmed)
On-Orbit Services made real with the Space Tug product line
Michel FREZET, , France

IAC-17.E7.6-E3.5.3 (non-confirmed)
Legal / regulatory aspects / policy / US
Ken Hodgkins, Office of Space and Advanced Technology, United States

IAC-17.E7.6-E3.5.4
Legal Challenges to On-orbit Servicing and a China's perspective
Guoyu Wang, Beijing Institute of technology(BIT), China

IAC-17.E7.6-E3.5.5
Opportunities for Industry-Led Norms of Behavior in On Orbit Services
Ian Christensen, Secure World Foundation, United States

E7.7-B3.8. Joint IAF-IISL Session on the Legal Framework for Collaborative Space Activities

September 29 2017, 11:00 — City Room 3

Co-Chair(s): *Elina Morozova , Intersputnik International Organization of Space Communications, Russian Federation; Mark Sundahl , Cleveland State University, United States;*
Rapporteur(s): *Maria A Pozza , Lane Neave Lawyers, New Zealand;*

IAC-17.E7.7-B3.8.1
International Governance of the Dangers from Near Earth Objects
Paul Larsen, Georgetown University Law Center, United States

IAC-17.E7.7-B3.8.2
international cooperation as the main focus of the modernized russian space industry
Olga Volynskaya, ROSCOSMOS, Russian Federation

IAC-17.E7.7-B3.8.3
International Cooperation in Space Activities in Europe, the Ariane 6 project example
Caroline Thro, , France

IAC-17.E7.7-B3.8.4
FAA International Workshops on Commercial Space Transportation
John Sloan, Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States

IAC-17.E7.7-B3.8.6
looking at a global plan to monitor emissions using satellite technology: institutions and cooperation mechanisms
Timiebi Aganaba-Jeanty, Centre for International Governance Innovation (CIGI), Canada

IAC-17.E7.7-B3.8.7
COSPAR's Planetary Protection Policy: Updating a Consensus Standard
John D. Rummel, SETI Institute, United States

IAC-17.E7.7-B3.8.8
An examination of the major space cooperation agreements between States as models for the development of similar agreements for international joint ventures on other celestial bodies
Anton Alberts, , South Africa

IAC-17.E7.7-B3.8.9 (non-confirmed)
Sovereignty and Self-Determination beyond Atmo: The Need for International Cooperation in Interstellar Relations
D. Wes Rist, , United States

IAC-17.E7.7-B3.8.10
The Principle of Cooperation and Mutual Assistance and the Commercial Exploration of Outer Space: How to Reach a Balance?
Alvaro Fabricio Dos Santos, Advocacy General of the Union - AGU, Brazil

E7. IAA MULTILINGUAL ASTRONAUTICAL TERMINOLOGY SYMPOSIUM

Coordinator(s): Susan McKenna-Lawlor , Space Technology (Ireland) Ltd., Ireland; Tetsuo Yoshimitsu , Institute of Space and Astronautical Science (ISAS), Japan Aerospace Exploration Agency, Japan;

E8.1. Multilingual Astronautical Terminology

September 29 2017, 11:00 — City Room 1

Co-Chair(s): *Susan McKenna-Lawlor , Space Technology (Ireland) Ltd., Ireland; Tetsuo Yoshimitsu , Institute of Space and Astronautical Science (ISAS), Japan Aerospace Exploration Agency, Japan;*
Rapporteur(s): *Fabrice Dennemont , International Academy of Astronautics (IAA), France;*

IAC-17.E8.1.1
Current status of IAA multilingual dictionary database
Tetsuo Yoshimitsu, Institute of Space and Astronautical Science (ISAS), Japan Aerospace Exploration Agency, Japan

IAC-17.E8.1.2
Standardization of international standards terms in space sphere and standardized terminology practical application
Olexiy Shypko, , Ukraine

IAC-17.E8.1.3
sats - communicating as one
Maria Alexandra Lora Veizaga, , Bolivia

IAC-17.E8.1.4
The linguistic challenges of using space standards in emerging space countries, based on the lessons from the work on ECSS glossary of term in Iran Space Research Center.
Mahsa Taheran, Satellite Research Institute, Iranian Space Research Center, Iran

IAC-17.E8.1.5
The "Good Life" or "Sumak Kawsay" as a terminological alternative for the "development of space"
Nickté Basurto, , Mexico

GTS - Global Technical Symposium

GTS.2-B3.9. Human Spaceflight Global Technical Session

September 27 2017, 14:45 — Riverbank 2

Co-Chair(s): Andrea Jaime , OHB System AG - Munich, Germany; Guillaume Girard , Zero2infinity, Spain;

IAC-17.GTS.2-B3.9.9
Phobos Base: concept of operations and architecture for a permanent human presence on the Martian moon Phobos
Davide Conte, The Pennsylvania State University, United States

IAC-17.GTS.2-B3.9
What does public thinks about space? The main findings of public's approach to the manned Moon and Mars missions and their implications to human space exploration
Lucie Davidová, Faculty of Arts, Charles University, Czech Republic

IAC-17.GTS.2-B3.9
Review of Significant Incidents and Close Calls in Human Spaceflight from a Human Factors Perspective
Jackelynne Silva-Martinez, NASA Johnson Space Center, United States

IAC-17.GTS.2-B3.9
"ASTRONAUT 2.0": CONNECTING THE PHYSICAL AND SOCIAL PERCEPTIONS ON HUMAN IDENTITY, FORM AND FUNCTION IN SPACE TO DEFINE THE PARAMETERS OF SPACE FARING INDIVIDUALS
Sarah Jane Pell, ESA Topical Team Art & Science [ETTAS], Australia

IAC-17.GTS.2-B3.9
ASI Science on ISS - The 2017 VITA Mission
Sara Piccirillo, Italian Space Agency (ASI), Italy

GTS.3-B2.8. Space Communications and Navigation Global Technical Session

September 28 2017, 14:45 — Riverbank 2

Co-Chair(s): *Edward W. Ashford , Graz University of Technology (TU Graz), Austria; Kevin Shortt , , Germany;*
Rapporteur(s): *Stephanie Wan , Space Generation Advisory Council (SGAC), United States;*

IAC-17.GTS.3-B2.8.1
Entangled-based quantum information transfer on Earth-satellite channel
Andras Kiss, University of West Hungary, Hungary

IAC-17.GTS.3-B2.8.2
Space and SATCOM for 5G European Transport and Connected Mobility
Stefano Ferretti, European Space Policy Institute (ESPI), Austria

IAC-17.GTS.3-B2.8.3
rain attenuation prediction modeling for earth-space links based on physical consistency
Phunsak Thiennviboon, Kasetsart University, Thailand

IAC-17.GTS.3-B2.8.4
Deep space communication services provided by Sardinia Deep Space Antenna - SDSA: program status and capabilities
Giorgia Parca, Italian Space Agency (ASI), Italy

IAC-17.GTS.3-B2.8.5
The efficient multi-GNSS acquisition method on HEO orbit
Jia Tian, China Academy of Space Technology (Xi'an), China

IAC-17.GTS.3-B2.8.6
Compatibility and Interoperability of the Orbital Constellations of Global Navigation Satellite Systems
Min Hu, Equipment Academy, China

IAC-17.GTS.3-B2.8.7
Research on network coding of space laser communication network
Yanmei Jia, University of Chinese Academy of Sciences, China

IAC-17.GTS.3-B2.8.8
Preliminary Design-Concept of Multi Regional Satellite for Increasing Accuracy in GNSS (Precise Point Positioning)
Pratiwi Kusumawardani, Space Generation Advisory Council (SGAC), Indonesia

GTS.4-E2.3. Student Team Competition

September 25 2017, 15:15 — Riverbank 2

Co-Chair(s): *Andrea Jaime , OHB System AG - Munich, Germany; Carolyn Knowles , National Aeronautics and Space Administration (NASA), United States;*
Rapporteur(s): *Michelle Mendes , World Space Week Association, United States;*

IAC-17.GTS.4-E2.3.1
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IAC-17.GTS.4-E2.3.3
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Zaid Rana, Concordia University, Canada

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Co-Chair(s): Alex da Silva Curiel , Surrey Satellite Technology Ltd (SSTL), United Kingdom; Rhoda Shaller Hornstein , , United States;

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Pierre Molette, , France

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Basurto, Nickté	A	IAC-17.E3.IP.4
Basurto, Nickté	A	IAC-17.E8.1.5
Bathgate, Emily	A	IAC-17.E1.IP.30
Batonneau, Yann	CA	IAC-17.C4.1.8
Batonneau, Yann	CA	IAC-17.C4.5.9
Batta, Karabee	CA	IAC-17.B4.9-GTS.5.8
Battagliere, Maria Libera	A	IAC-17.B1.1.6
Battagliere, Maria Libera	CA	IAC-17.E5.4.4
Battagliere, Maria Libera	CA	IAC-17.A1.IP.26
Battagliere, Maria Libera	A	IAC-17.B1.IP.17
Battiston, Roberto	A	IAC-17.A1.4.10
Battler, Melissa M.	CA	IAC-17.E1.IP.33
Battler, Melissa M.	CA	IAC-17.B6.3.4
Baturkin, Volodymyr	CA	IAC-17.A3.4A.8
Bauer, Waldemar	A	IAC-17.D2.6.1
Baumann, Frank	CA	IAC-17.C1.1.9
Baumann, Frank	A	IAC-17.B4.6B.7
Bavdaz, Marcos	CA	IAC-17.A7.1.4
Bavdaz, Marcos	CA	IAC-17.A7.IP.3
Bay, Kristian	CA	IAC-17.D1.1.2
Bay, Kristian	CA	IAC-17.C4.6.5
Bayle, Olivier	CA	IAC-17.A3.3A.4
Bazaldua, Danton	CA	IAC-17.A1.IP.20
Bazaldua Morquecho, Danton Iván	A	IAC-17.E2.4.9
Beattie, Alexander	CA	IAC-17.B2.7.4
Beattie, Annalea	CA	IAC-17.E1.7.8
Beauchet, Romain	CA	IAC-17.C4.1.8
Beauchet, Romain	CA	IAC-17.C4.5.9
Beaudry, Catherine	CA	IAC-17.E5.2.1
Beaudry, Simon	CA	IAC-17.C4.IP.9
Beauregard, Laurent	CA	IAC-17.E2.3-GTS.4.5
Beauregard, Laurent	CA	IAC-17.A5.2.6
Beauregard, Laurent	CA	IAC-17.A5.1.12
Beauregard, Laurent	CA	IAC-17.D4.3.11
Beauregard, Laurent	CA	IAC-17.A3.2C.11
Becedas, Jonathan	CA	IAC-17.D1.1.2
Becedas, Jonathan	CA	IAC-17.C4.6.5
Beck, Andrew	CA	IAC-17.B2.4.3
Beck, Anna	CA	IAC-17.E1.3.12
Beck, James	CA	IAC-17.A6.2.2
Beck, James	CA	IAC-17.A6.10-B4.10.2
Beck, Thorsten	CA	IAC-17.B6.1.2
Beck, Thorsten	CA	IAC-17.B6.2.6
Becker, Dennis	CA	IAC-17.A2.3.2
Becker, Karsten	A	IAC-17.D3.2.10
Bedington, Robert	CA	IAC-17.B2.IP.14
Bedington, Robert	CA	IAC-17.B4.6B.8
Bedington, Robert	CA	IAC-17.D5.4.4
Bedington, Robert	CA	IAC-17.B2.7.2
Bedrich, Stefan	A	IAC-17.C2.IP.22
Beganim, Maxwell	CA	IAC-17.E1.IP.19
Behrend, Sophie	CA	IAC-17.A6.2.1
Behrens, Jonathan	CA	IAC-17.E6.1.4
Behrens, Jonathan	A	IAC-17.E3.3.6
Beinke, Scott	CA	IAC-17.C4.10.12
Beisser, Kerri	A	IAC-17.E1.6.6
Belakovskiy, Mark	CA	IAC-17.A1.4.7
Belardo, Marika	CA	IAC-17.C2.6.9
Belenguer, Tomás	CA	IAC-17.A3.3B.6
Beliaev, Mikhail	CA	IAC-17.B3.3.4
Belikov, Vladimir	CA	IAC-17.D4.1.5
Belikov, Vladimir	CA	IAC-17.A6.IP.3
Belingheri, Paola	CA	IAC-17.E6.1.1
Belingheri, Paola	CA	IAC-17.E4.3B.4
Belkouchi, Badia	CA	IAC-17.D1.1.2
Belkouchi, Badia	CA	IAC-17.C4.6.5
Bell, Graham	CA	IAC-17.C4.1.13
Bell, Graham	A	IAC-17.E1.4.7
Bell, Graham	CA	IAC-17.C4.IP.19
Bellanca, Andrea	CA	IAC-17.A6.6.7
Bellina, Alessandra	CA	IAC-17.C2.IP.39
Bellini, Niccolò	A	IAC-17.A6.5.3
Belokonov, Igor V.	CA	IAC-17.D2.3.5
Beltrame, Giovanni	CA	IAC-17.B2.3.4
Beltrame, Giovanni	CA	IAC-17.C4.IP.9
Belz, Stefan	CA	IAC-17.A5.1.9
Belz, Stefan	CA	IAC-17.A1.IP.34
Belz, Stefan	A	IAC-17.A1.7.6
Bemmann, Olivier Serge	CA	IAC-17.E2.3-GTS.4.9
Ben, Jin	CA	IAC-17.B1.6.4
Benecki, Pawel	CA	IAC-17.B1.4.5
Benetti, Michele	A	IAC-17.C4.6.8
Bengtson, Miles	CA	IAC-17.E3.1.2
Bengtson, Miles	A	IAC-17.E1.4.6
Bengtson, Miles	CA	IAC-17.E6.3.4
Benidar, Abdessamad	CA	IAC-17.C4.4.15
Benner, Lance	CA	IAC-17.A3.4B.8
Bennet, Alex	A	IAC-17.C4.4.15
Bennet, Alex	CA	IAC-17.C4.8-B4.5A.2
Bennet, Francis	CA	IAC-17.A6.6.3
Bennett, James	CA	IAC-17.A6.IP.30
Bennett, James	CA	IAC-17.A6.7.5
Bennett, Nick	CA	IAC-17.A5.IP.6
Benninga, Harm-Jan	CA	IAC-17.E2.3-GTS.4.1
Benson, Craig	CA	IAC-17.A7.2.2
Benson, Craig	A	IAC-17.A3.4B.8
Benton, Eric	CA	IAC-17.A1.5.2
Bentum, Mark	CA	IAC-17.B2.7.11
Benyoucef, Yacine	CA	IAC-17.A3.3B.14
Benzin, Kathy	CA	IAC-17.D2.4.5
Berdnyk, Oleksandr	A	IAC-17.A5.1.6
BERDOYES, Michel	A	IAC-17.C4.3.2
Berg, Marco	A	IAC-17.D2.4.5
Bergamasco, Federico	A	IAC-17.E7.1.14
Bergamini, Elisabetta	CA	IAC-17.E3.3.5
Bergamini, Elisabetta	CA	IAC-17.E5.2.3
Bergemann, Christiane	CA	IAC-17.A3.3B.1
Berger, Thomas	CA	IAC-17.A1.5.7
Bergeron, Martin	CA	IAC-17.B1.2.6
Bergé, Joël	CA	IAC-17.A2.1.7
Berizzi, Fabrizio	CA	IAC-17.D5.4.5
Berman, Simmie	CA	IAC-17.B2.6.5
Bernal, Cesar	CA	IAC-17.A6.6.4
Bernal, Iric	CA	IAC-17.D2.4.11
Bernelli-Zazzera, Franco	CA	IAC-17.A3.4A.6
Bernelli-Zazzera, Franco	CA	IAC-17.C1.IP.31
Bernie, Anita	CA	IAC-17.B4.7.6
Bertacin, Roberto	CA	IAC-17.C1.7.12
Bertalan, Ivo	CA	IAC-17.A1.IP.26
Bertin, Yves	CA	IAC-17.A2.3.4
Bertolotto, Delfina	CA	IAC-17.A1.IP.26
Best, Felix	CA	IAC-17.E1.2.13
Bettanini, Carlo	CA	IAC-17.A3.3B.2
Betting, Marco	CA	IAC-17.B1.5.8
Bettiol, Laura	CA	IAC-17.D1.1.4
Bettiol, Laura	CA	IAC-17.A2.3.5
Bettiol, Laura	CA	IAC-17.A5.1.8
Bevilacqua, Marco	CA	IAC-17.A6.10-B4.10.9
Bewick, Charlotte	CA	IAC-17.B1.2.3
Beyer, Friederike	CA	IAC-17.A6.4.6
Beyer, Friederike	CA	IAC-17.A6.4.7
Beysens, Daniel	CA	IAC-17.A2.4.2
Bhatia, Ribhu	CA	IAC-17.D2.3.8
Bhatt, Jiten	CA	IAC-17.D1.5.5
Bhattacharjee, Shambo	A	IAC-17.A6.9.4
Bi, Zhixian	CA	IAC-17.C2.IP.43
Bianchi, Stefano	CA	IAC-17.D2.1.1
Bianco, G.	CA	IAC-17.A6.IP.38
Bibring, Jean-Pierre	CA	IAC-17.A3.4A.8
Bibring, Jean-Pierre	CA	IAC-17.A3.4A.9
Bidard, Théo	CA	IAC-17.B5.2.7
Bidard, Théo	CA	IAC-17.A3.2C.9
Biele, Jens	CA	IAC-17.A3.4A.8
Biele, Jens	CA	IAC-17.A3.4A.9
Biele, Jens	CA	IAC-17.A3.4B.3
Biele, Jens	CA	IAC-17.A3.4B.5
Bielicki, Damian M.	CA	IAC-17.C4.7-C3.5.4
Bielozer, Matthew	CA	IAC-17.D2.3.2
Bierdel, Marius	A	IAC-17.C2.1.10
Bierig, Andreas	CA	IAC-17.D2.6.1
Biesbroek, Robin	CA	IAC-17.D1.4B.11
Biesbroek, Robin	A	IAC-17.A6.6.8
Bignell, Hayden	CA	IAC-17.E2.2.8
Billi, Daniela	A	IAC-17.A1.6.6
Bin, Ji	A	IAC-17.C2.IP.32
Bin, Wu	A	IAC-17.A1.1.4
Bin, Xie	CA	IAC-17.B4.4.10
Bin, Zhou	CA	IAC-17.B1.4.2
Binder, Tilman	CA	IAC-17.D1.1.2
Binder, Tilman	CA	IAC-17.C4.6.5
Binetti, Mario	CA	IAC-17.D6.3.5
Bing, Hua	CA	IAC-17.C1.IP.3
Bini, Nicoletta	CA	IAC-17.E7.2.13
Bini, Nicoletta	CA	IAC-17.E3.6.12
Binns, David	A	IAC-17.D3.1.7
Binns, David	CA	IAC-17.A3.4B.4
Binsted, Kim	CA	IAC-17.C3.3.6
Binsted, Kim	CA	IAC-17.A1.IP.4
Biolo, Gianni	A	IAC-17.A1.3.3
Biondi, Gabriele	A	IAC-17.A6.IP.21
Bioulez, Philippe	CA	IAC-17.A2.6.1
Bird, Rachel	A	IAC-17.B4.4.6
Birkeland, Roger	A	IAC-17.E1.3.7
Birkeland, Roger	CA	IAC-17.E1.4.8
Birkeland, Roger	A	IAC-17.B4.7.8
Birreck, Dieter	CA	IAC-17.B2.4.1
Biryukova, Nataliya	CA	IAC-17.B3.3.2
Bish, Andrew	CA	IAC-17.C4.4.15
Bishop, Sheryl	CA	IAC-17.E5.1.5
Biswas, Janos	CA	IAC-17.A3.2B.9
Biswas, Janos	CA	IAC-17.A3.2B.10
Biswas, Sanat	A	IAC-17.C1.IP.1
Bitetti, Grazia	CA	IAC-17.C2.1.4
Bitetti, Grazia	A	IAC-17.D5.1.8
Bjorstad, Roger	CA	IAC-17.A3.2C.2
Blaber, Elizabeth	CA	IAC-17.A1.IP.39
Blaber, Elizabeth	A	IAC-17.A1.8.6
Blachowicz, Adriana	CA	IAC-17.A1.IP.7
Blake, Brandon	CA	IAC-17.E1.IP.30
Blake, Richard	CA	IAC-17.E5.3.11
Blanchard, Tyler	CA	IAC-17.A3.IP.27
Blanco, Gonzalo	CA	IAC-17.A3.3A.4
Blanco, P. Nicolas	CA	IAC-17.C4.10.12
Bland, Philip	CA	IAC-17.E1.6.11
Bland, Philip	CA	IAC-17.A7.2.1
Bland, Philip	CA	IAC-17.A6.9.11
Blank, Jennifer	CA	IAC-17.E1.7.8
Blasco, Jasmin	CA	IAC-17.E1.9.1
Blaszczyk, Artur	CA	IAC-17.A2.3.9
Blocher, Andrew	A	IAC-17.A3.IP.15
Blonde, Didier	CA	IAC-17.A2.6.1
Blottner, Dieter	A	IAC-17.A1.2.8
Blount, PJ	A	IAC-17.E7.3.1
Blunt, Paul	CA	IAC-17.B2.3.1
Boakye, Owusu Ansah	A	IAC-17.E1.IP.19
Bock, Daniel	CA	IAC-17.C4.IP.1
Bock, Daniel	CA	IAC-17.C4.IP.11
Bock, Douglas	A	IAC-17.B2.1.5
Bockstahler, Klaus	A	IAC-17.B3.7.2
Boden, Ralf	A	IAC-17.C4.8-B4.5A.14
Boehme, Matthias	CA	IAC-17.A2.6.8
Bogachev, Alexey	CA	IAC-17.B3.4-B6.5.1
Bogatyy, Aleksandr	CA	IAC-17.C4.4.14
Bogdanov, Aleksei	A	IAC-17.B3.6-A5.3.5
Bogdanov, Aleksey	CA	IAC-17.B3.IP.11
Bogo, Loris	CA	IAC-17.C2.IP.39
Bogossian, Otavio Luiz	A	IAC-17.D1.4B.6
Bohlmann, Ulrike M.	A	IAC-17.E7.2.1
Boisard, Olivier	CA	IAC-17.D3.IP.3
Bold, Matthew	CA	IAC-17.A6.6.3
BOLDRINI, FRANCO	CA	IAC-17.A3.2B.7
Boldrini, Franco	CA	IAC-17.B1.3.4
Boldrini, Franco	CA	IAC-17.A3.5.3
Bombardieri, Cristiano	A	IAC-17.C4.10.2
Bombardieri, Cristiano	CA	IAC-17.C4.10.12
Bonaccorsi, Rosalba	CA	IAC-17.E1.7.8
Bonetti, Davide	A	IAC-17.A3.3A.4
Bonhomme, Christophe	A	IAC-17.C4.1.2
Bonnal, Christophe	CA	IAC-17.D2.8-A5.4.2
Bonnet, Roger Maurice	CA	IAC-17.E4.1.3
Bonsu, Benjamin	A	IAC-17.E1.IP.21
Bootchaicharoen, Khanapoom	CA	IAC-17.E5.5.7
Boratkar, Adheesh	CA	IAC-17.B2.6.4
Bordalo Monteiro, Jorge	CA	IAC-17.E2.3-GTS.4.1
Borden, Chester	CA	IAC-17.D1.4B.5
Borders, Kareen	A	IAC-17.E1.IP.36
Borders, Kyla	CA	IAC-17.E1.IP.36
Borders, Kyla	A	IAC-17.E1.1.4
Borggräfe, Andreas	CA	IAC-17.E3.2.3
Borisenko, Alexander	CA	IAC-17.B3.4-B6.5.1
Borovin, Gennady	CA	IAC-17.A6.1.3
Borowy, Carsten	A	IAC-17.B2.4.1
Borrelli, Donato	CA	IAC-17.A3.5.3
Borrelli, Rosario	CA	IAC-17.C2.9.10
Borshchova, Aleksandra	CA	IAC-17.D4.1.5
Bosch Bruguera, Miquel	A	IAC-17.B3.IP.1
Boswell, Rod	CA	IAC-17.A6.5.5
Boswell, Rod	A	IAC-17.A7.3.5
Boswell, Rod	CA	IAC-17.C4.8-B4.5A.2
Botha, Hannelie	CA	IAC-17.B1.2.6
Botteron, Cyril	CA	IAC-17.B2.3.1
Bouchart, Sylvain	A	IAC-17.A5.IP.3
Boudreau, Eilis	CA	IAC-17.A1.2.14
Bourdarie, Sébastien	CA	IAC-17.D5.3.5
Bousquet, Pierre W.	A	IAC-17.A3.1.7
Bouwmeester, Jasper	CA	IAC-17.B4.6B.5
Bouwmeester, Jasper	CA	IAC-17.B4.6B.15
Boué, Yoan	A	IAC-17.C4.3.11
Bowen, John	CA	IAC-17.A7.2.2
Bowles, Neil	CA	IAC-17.A3.IP.53
Box, Darren	CA	IAC-17.E3.6.6
Boxberger, Adam	CA	IAC-17.D1.1.2
Boxberger, Adam	CA	IAC-17.C4.6.5
Boyce, Russell	CA	IAC-17.B4.2.6
Boyce, Russell	CA	IAC-17.A7.2.2
Boyce, Russell	CA	IAC-17.B2.IP.14
Boyce, Russell	CA	IAC-17.A6.7.3
Boyce, Russell	CA	IAC-17.D5.4.4
Boyce, Russell	CA	IAC-17.A3.4B.8
Boyce, Russell	CA	IAC-17.B2.7.2
Boyd, Andrea	CA	IAC-17.A5.1.7
Boyd, Iain	A	IAC-17.D1.6.3
Bradbury, Laura	A	IAC-17.B2.7.4
Bradford, Andy	CA	IAC-17.B4.5.6
Bradshaw, Miranda	A	IAC-17.A7.2.3

Bradshaw, Miranda	A	IAC-17.A3.2B.6
Brady, Scott	A	IAC-17.C2.7.4
Brahmi, Rachid	CA	IAC-17.C4.1.8
Brain, David	CA	IAC-17.A3.IP.11
Braithwaite, Timothy	A	IAC-17.B3.1.5
Brand, Robert	A	IAC-17.A3.3B.9
Brando, Vittorio	CA	IAC-17.B1.2.6
Brandt, Pontus	CA	IAC-17.D4.4.2
Branz, Francesco	CA	IAC-17.E2.3-GTS.4.6
Branz, Francesco	CA	IAC-17.A2.3.5
Braukhane, Andy	CA	IAC-17.D1.4A.4
Braun, Robert D.	CA	IAC-17.D3.2.4
Braxmaier, Claus	CA	IAC-17.A2.1.2
Braxmaier, Claus	CA	IAC-17.A2.3.2
Braxmaier, Claus	CA	IAC-17.C2.IP.14
Bray, Matthew	CA	IAC-17.B2.6.5
Braña, Álvaro	CA	IAC-17.D1.1.2
Braña, Álvaro	CA	IAC-17.C4.6.5
Brcic, Jelena	CA	IAC-17.A1.1.1
Brcic, Jelena	A	IAC-17.A1.1.3
Breitenstein, Manuel	CA	IAC-17.D3.3.5
Bremer, Stefanie	A	IAC-17.A2.1.5
Bremer, Stefanie	CA	IAC-17.A2.1.6
Brenker, Frank E.	CA	IAC-17.E1.3.12
Bretschneider, Jens	CA	IAC-17.A5.1.9
Briand, Carine	CA	IAC-17.A6.9.1
Bridges, Christopher P.	CA	IAC-17.B4.1.8
Bridges, Christopher P.	CA	IAC-17.B6.3.12
Briess, Klaus	CA	IAC-17.C1.1.9
Brieß, Klaus	CA	IAC-17.C1.2.10
Brieß, Klaus	CA	IAC-17.B4.3.2
Brieß, Klaus	CA	IAC-17.D1.3.11
Brieß, Klaus	CA	IAC-17.B4.6B.7
Briess, Klaus	CA	IAC-17.B2.7.3
Brignoli, Mauro Alberto	CA	IAC-17.D5.4.5
Brilli, Simone	CA	IAC-17.A6.10-B4.10.9
Brink, Philip	CA	IAC-17.E2.3-GTS.4.10
Briottet, Xavier	CA	IAC-17.B1.2.6
Brischetto, Salvatore	CA	IAC-17.C2.7.1
Briskman, Robert D.	A	IAC-17.B2.2.4
Brito', Debora	CA	IAC-17.D1.1.7
Bronshteyn, Andrew	CA	IAC-17.E2.3-GTS.4.8
Brouns, Stan	CA	IAC-17.A3.IP.17
Brown, Chris	A	IAC-17.A5.1.11
Brown, Melrose	CA	IAC-17.B4.2.6
Brown, Melrose	CA	IAC-17.A6.7.3
Brown, Mia	A	IAC-17.E4.2.3
Brown, Richard E.	CA	IAC-17.C2.4.6
Brubeck-Hernandez, Felipe	A	IAC-17.B1.IP.13
Brucato, John Robert	CA	IAC-17.A1.6.2
Bruce, David	CA	IAC-17.E1.IP.30
Bruce, Paul	CA	IAC-17.A3.3B.10
Brungs, Sonja	A	IAC-17.A2.7.7
Brunner, Sebastian	CA	IAC-17.A3.IP.31
Bruno, Giovanni	CA	IAC-17.C2.9.10
Bruno, Umberto	A	IAC-17.B1.3.4
Brzytwa, Philip	A	IAC-17.D2.2.11
Brückmann, Alexander	A	IAC-17.A3.2B.12
Brückmann, Alexander	CA	IAC-17.D3.2.8
Bucci, Lorenzo	A	IAC-17.C1.9.12
Buckey, Jay	A	IAC-17.A1.2.15
Budzyn, Dorota	A	IAC-17.A2.3.9
Budzyn, Dorota	CA	IAC-17.B3.9-GTS.2.9
Buenconsejo, Reina	A	IAC-17.B3.2.10
Buenconsejo, Reina	CA	IAC-17.D1.6.3
Buffa, Doriana	CA	IAC-17.A1.4.9
Buffenoir, François	CA	IAC-17.D2.6.7
Buffington, Brent	A	IAC-17.C1.7.8
Buinhas, Luisa	CA	IAC-17.A7.2.9
Buinhas, Luisa	A	IAC-17.C1.6.4
BUISSON, Francois	CA	IAC-17.B1.IP.33
Bunte, Karl Dietrich	CA	IAC-17.A6.IP.14
Burandt, Daniel	A	IAC-17.E2.2.9
Burandt, Daniel	A	IAC-17.A6.IP.7
Buravkov, Sergei	CA	IAC-17.A1.8.3
Buravkova, Ludmila	A	IAC-17.A1.8.3
Burdulis, Daniel	CA	IAC-17.B3.4-B6.5.4
Burgay, Marta	CA	IAC-17.A4.1.8
Burger, Eduardo Escobar	CA	IAC-17.D1.4A.1
Burger, Hervé	CA	IAC-17.A2.6.1
Burke, James	A	IAC-17.E5.1.12
Burkova, Elena	CA	IAC-17.E1.IP.37
Burmann, Bastian	CA	IAC-17.C1.3.1
Burmeister, Kai	CA	IAC-17.B3.4-B6.5.5
Burov, Alexander	A	IAC-17.D4.5.15
Busch, Stephan	CA	IAC-17.D5.1.9
Busch, Stephan	CA	IAC-17.B6.2.3
Buscher, Martin	A	IAC-17.B4.3.2
Bussey, Ben	A	IAC-17.A3.1.1
Bussler, Leonid	CA	IAC-17.D2.4.4
Bussmann, Kristin	CA	IAC-17.A3.IP.31
Bustos Martín, Enrique	CA	IAC-17.A6.7.4
Butler, Andrew	A	IAC-17.E7.IP.4
Butt, Ali	A	IAC-17.C4.2.6
Butt, Ali	A	IAC-17.D2.7.8
Bychkov, Andrey	CA	IAC-17.B3.7.3
Bédard, Donald	CA	IAC-17.A6.1.7
Bérend, Nicolas	A	IAC-17.D2.7.3
Börner, Michael	CA	IAC-17.C4.10.12

C

Name	Role	Paper
C Guerrieri, Dadui	CA	IAC-17.C4.6.3
C Guerrieri, Dadui	CA	IAC-17.E2.4.3
C Guerrieri, Dadui	CA	IAC-17.C4.8-B4.5A.4
C.Sandoval Goes, Luiz	CA	IAC-17.C2.2.1
Cabezas, Patricia	CA	IAC-17.A1.6.2
Cabrera Alvarado, Sandra	A	IAC-17.E7.3.4
Cabrero Gomez, Juan F.	A	IAC-17.A3.3B.6
Cabrero Gomez, Juan F.	A	IAC-17.E4.3B.2
Cai, Guobiao	CA	IAC-17.D5.1.6
Cai, Guobiao	CA	IAC-17.C4.IP.25
Cai, Guobiao	CA	IAC-17.C4.IP.33
Cai, Han	A	IAC-17.E2.1.7
Cai, Han	CA	IAC-17.A6.9.9
CAI, Wenyi	A	IAC-17.A3.1.4
Caiani, Enrico Gianluca	CA	IAC-17.A1.2.11
Caillau, Jean-Baptiste	A	IAC-17.C1.6.8
Cairns, Iver	A	IAC-17.B4.4.3
Calabrese, Massimo	CA	IAC-17.D5.4.5
Calado Siqueira, Renato	CA	IAC-17.D1.4A.1
Calisti, Luana	CA	IAC-17.B4.1.12
Calla, Pablo	A	IAC-17.D1.2.5
Calla, Pablo	CA	IAC-17.D4.2.3
Calla, Pablo	A	IAC-17.B4.8.7
Callahan, Jason	A	IAC-17.E4.1.8
Callegari, Christian	CA	IAC-17.D5.4.5
Callejas, Alberto	CA	IAC-17.B5.2.6
Calnan, Gary	CA	IAC-17.E6.1.1
Calvi, Daniele	CA	IAC-17.D3.4.1
Calvo-Alvarado, Julio	CA	IAC-17.B4.1.11
Calvo-Obando, Ana Julieta	CA	IAC-17.B4.1.11
Camacho, David	CA	IAC-17.A6.7.1
Camacho, Gregorio	CA	IAC-17.E1.IP.30
Campa, Andrea	A	IAC-17.B6.3.11
Campagnola, Stefano	CA	IAC-17.C1.7.8
Campbell, Meredith	CA	IAC-17.D4.2.3
Campbell, Rhys	CA	IAC-17.B6.2.12
Campolo, Antonino	CA	IAC-17.C1.IP.20
Canalias, Elisabet	CA	IAC-17.A3.4A.9
Canchal, Rosario	CA	IAC-17.A3.3B.6
Candel, Danielle	CA	IAC-17.E8.1.1
Candini, Gian Paolo	CA	IAC-17.B4.2.7
Canga, Michael	A	IAC-17.D1.4B.1
Canga, Michael	A	IAC-17.A1.IP.21
Cano Laura Amaya., Rodriguez	CA	IAC-17.E1.IP.19
Canton, Remi	A	IAC-17.A2.6.1
Cantoni, Stefania	CA	IAC-17.C2.6.9
Canu, Claudio	CA	IAC-17.A6.IP.10
Cao, Hui	A	IAC-17.D1.3.9
Cao, Hui	A	IAC-17.B1.IP.2
Cao, Hui	A	IAC-17.C2.IP.26
Cao, Hui	A	IAC-17.D5.3.4
Cao, Hui	A	IAC-17.D5.3.7
Cao, Jiaokun	A	IAC-17.C2.IP.41
Cao, Suzhi	CA	IAC-17.B5.1.12
Cao, Xibin	A	IAC-17.A3.2A.11
Cao, Xibin	CA	IAC-17.C1.IP.14
Cao, Yan	CA	IAC-17.A6.3.8
Capaccioni, Fabrizio	CA	IAC-17.B3.IP.4
Capararo, Cesare	A	IAC-17.B6.1.11
Capela, Carlos	CA	IAC-17.D5.3.3
Capello, Elisa	CA	IAC-17.C1.5.3
Capener, Amy	CA	IAC-17.E6.3.4
Capener, Amy	CA	IAC-17.E4.3B.4
Caplan, Nick	CA	IAC-17.A1.2.14
Capoleoni, Mauro	CA	IAC-17.D2.2.7
Caporicci, Marco	CA	IAC-17.D2.4.5
Caprarelli, Graziella	A	IAC-17.E1.5.1
Capria, Amerigo	CA	IAC-17.D5.4.5
Capuano, Vincenzo	A	IAC-17.B2.3.1
Carberry, Christopher	A	IAC-17.E3.1.4
Carberry, Christopher	A	IAC-17.E5.1.8
Carbognani, Franco	CA	IAC-17.B5.1.4
Cardinaux, Christian	CA	IAC-17.E2.3-GTS.4.4
Cardona, Tommaso	CA	IAC-17.B4.2.7
Cardona, Tommaso	CA	IAC-17.B2.3.3
Cardona, Tommaso	CA	IAC-17.A6.9.5
Cardona, Tommaso	A	IAC-17.A6.IP.9
Cardona, Tommaso	CA	IAC-17.A6.IP.10
Cardona, Tommaso	A	IAC-17.A6.IP.15
Cardona, Tommaso	CA	IAC-17.A6.10-B4.10.8
CARDONE, Tiziana	CA	IAC-17.A6.IP.14
Carey, William	CA	IAC-17.D3.1.7
Carlson, Ross	CA	IAC-17.B4.2.8
Carmen, Christina	CA	IAC-17.E1.4.11
Carmen, Christina	CA	IAC-17.D1.4B.4
Carneiro Oliveira, Thais	A	IAC-17.D3.IP.5
Carnelli, Ian	CA	IAC-17.C1.3.1
Carnelli, Ian	CA	IAC-17.A3.4B.3
Carney, Carmen	CA	IAC-17.C2.4.9
Carns, Marc	A	IAC-17.A6.8.8
Carpenter, James	CA	IAC-17.A3.2B.7
Carpentiero, Marco	A	IAC-17.D1.2.9
Carrasquilla, Maria	CA	IAC-17.A6.3.6
Carrasquilla-Batista, Arys	CA	IAC-17.B4.1.11
Carrasquilla-Batista, Arys	A	IAC-17.B5.1.2
Carrubba, Elisa	CA	IAC-17.B3.9-GTS.2
Carsten, John	A	IAC-17.D2.9-D6.2.5
Carvajal-Godínez, Johan	CA	IAC-17.B4.1.11
Carvajal-Godínez, Johan	CA	IAC-17.E3.1.11
Carzana, Livio	A	IAC-17.C1.IP.29
Casalino, Lorenzo	CA	IAC-17.B3.IP.4
Casasanto, Valerie Anne	A	IAC-17.E1.8.2
Casasanto, Valerie Anne	CA	IAC-17.A2.IP.3
Casasanto, Valerie Anne	CA	IAC-17.E1.9.11
Casey, Patrick	CA	IAC-17.A6.2.1
Casini, Andrea Emanuele Maria	CA	IAC-17.D3.4.1
Casini, Andrea Emanuele Maria	CA	IAC-17.C2.7.1
Casini, Andrea Emanuele Maria	A	IAC-17.A3.2C.10
Cason, Aubrey	CA	IAC-17.B4.8.9
Caspi, Amir	CA	IAC-17.A7.2.8
Cassi, Carlo	A	IAC-17.A3.3A.8
Cassiano Julio Filho, Antonio	A	IAC-17.B6.1.12
Castagnolo, Dario	CA	IAC-17.D2.4.5
Castejon, Stéphane	CA	IAC-17.B1.IP.16
Castellón, José Luis E. Nilo	CA	IAC-17.E1.2.8
Castelão, Inês	CA	IAC-17.B1.IP.1
Castillo, Julie	CA	IAC-17.A3.1.7
Castronuovo, Marco M.	CA	IAC-17.A7.2.11
Castronuovo, Marco M.	CA	IAC-17.A6.9.5
Castronuovo, Marco M.	CA	IAC-17.A6.IP.9
Castronuovo, Marco M.	CA	IAC-17.A6.IP.15
Castronuovo, Marco M.	CA	IAC-17.C1.7.12
Castronuovo, Marco M.	CA	IAC-17.A6.10-B4.10.8
Casu, Silvia	CA	IAC-17.A4.1.8
Cataldo, Giuseppe	A	IAC-17.D1.IP.21
Caudill, Christy	CA	IAC-17.B6.3.4
Cavalli, Lorenzo	CA	IAC-17.C2.6.9
Cavallini, Anders	CA	IAC-17.B5.2.7
Cavicchiolo, Lucas	CA	IAC-17.C2.3.8
Cawthorne, Andrew	CA	IAC-17.B4.4.5
Cayemex, Nicolas	A	IAC-17.B1.IP.20
Cazzaniga, Marco	CA	IAC-17.A6.10-B4.10.9
Ceaus, Catalin	CA	IAC-17.C2.IP.27
Cecere, Anselmo	A	IAC-17.A2.3.4
Ceglia, Enrico	CA	IAC-17.A3.2B.10
Celani, Fabio	CA	IAC-17.C1.4.8
Celiento, Luca	CA	IAC-17.D4.2.3
Celik, Onur	CA	IAC-17.C1.8.7
Cenac, Celine	CA	IAC-17.A3.4A.8
Cenac, Celine	CA	IAC-17.A3.4A.9
Cenedese, Angelo	CA	IAC-17.C1.IP.10
Centuori, Simone	CA	IAC-17.C1.7.5
Cercós Pita, Lorenzo	CA	IAC-17.C1.3.1
Cernusco, Alberto	CA	IAC-17.D2.3.4
Cerovac, Milorad	A	IAC-17.E1.1.1
Cervera, Felipe	A	IAC-17.E5.3.6
Cervone, Angelo	CA	IAC-17.D1.4B.9
Cervone, Angelo	CA	IAC-17.C4.IP.14
Cervone, Angelo	CA	IAC-17.C4.6.3
Cervone, Angelo	CA	IAC-17.C4.6.6
Cervone, Angelo	CA	IAC-17.E2.4.3
Cervone, Angelo	CA	IAC-17.C4.8-B4.5A.4
Cesare, Stefano	CA	IAC-17.A7.2.11
Cevik, Volkan	CA	IAC-17.A2.7.7
Chabernaud, Pierre	CA	IAC-17.C4.1.8
Chabot, Thomas	CA	IAC-17.A6.6.4
Chacon-Rodriguez, Alfonso	CA	IAC-17.B5.1.2
Chaffin, Michael	CA	IAC-17.A3.IP.11
Chai, Joseph	A	IAC-17.D2.7.4
Chaimatanan, Supatcha	CA	IAC-17.B1.1.10
Chaimatanan, Supatcha	CA	IAC-17.B6.1.4
CHAIZE, Mathieu	A	IAC-17.D2.1.2
Chamitoff, Greg	CA	IAC-17.B6.IP.3
Chamitoff, Greg	CA	IAC-17.B6.2.12
Chamitoff, Greg	CA	IAC-17.B6.3.3
Chamitoff, Gregory	CA	IAC-17.E1.6.13
Chamitoff, Gregory	CA	IAC-17.E1.2.13
Chan, Bryan	CA	IAC-17.E4.3B.4
Chandran, Amal	A	IAC-17.B4.2.3
Chandrasekara, Rakhitha Bandara	CA	IAC-17.D5.4.4
Chandrasekara, Rakhitha Bandara	A	IAC-17.B2.7.2
Chandrashekharan, Prasanth	CA	IAC-17.C2.IP.34
Chang, Chan-Peng	CA	IAC-17.C2.1.8
Chang, Eva Yi-Wei	A	IAC-17.B3.2.7
Chang, Eva Yi-Wei	A	IAC-17.D6.1.6
Chang, Eva Yi-Wei	A	IAC-17.E3.2.2
Chang, Eva Yi-Wei	A	IAC-17.D6.3.9
Chang, Guey-Shin	A	IAC-17.B4.4.12
Changhua, DENG	A	IAC-17.C2.IP.25
Chanrion, Olivier	CA	IAC-17.B6.3.9
Chao, Charlie	CA	IAC-17.E6.1.1
Chaput, Didier	A	IAC-17.A1.3.4
Charles, Christine	CA	IAC-17.B4.4.3
Charles, Christine	CA	IAC-17.C4.4.15
Charles, Christine	CA	IAC-17.A6.5.5
Charles, Christine	CA	IAC-17.A7.3.5
Charles, Christine	A	IAC-17.C4.8-B4.5A.2
Charles, John	A	IAC-17.A1.4.8
Charoy, Thomas	CA	IAC-17.C4.8-B4.5A.2
Charpentier, Antoine	CA	IAC-17.A3.4A.9
Chatterjee, Joyeeta	A	IAC-17.E7.1.5
Chaturvedi, Disip	CA	IAC-17.C4.IP.40
Chauhan, Shivangi	CA	IAC-17.D4.1.4
Chauhan, Shivangi	CA	IAC-17.D4.1.11
Chauhan, Shivangi	CA	IAC-17.A3.IP.28
Chauhan, Shivangi	CA	IAC-17.D2.IP.20

Chaumette, Francois	CA	IAC-17.A6.6.4
CHAURASIA, RAHUL KUMAR	A	IAC-17.C4.IP.49
Chaves, Nicole	A	IAC-17.A2.3.10
Chaves Jiménez, Adolfo	CA	IAC-17.B4.1.11
Chaves Jiménez, Adolfo	CA	IAC-17.E3.1.11
Chavez, Cristian	A	IAC-17.E1.3.5
Chavy-Macdonald, Marc-Andre	CA	IAC-17.E5.IP.6
Chea, Ming Kai	CA	IAC-17.E1.IP.28
Chen, Bin	CA	IAC-17.D5.2.4
Chen, Bing	CA	IAC-17.D2.4.7
Chen, Bingyan	A	IAC-17.C2.IP.42
Chen, Bo	CA	IAC-17.A1.5.8
Chen, Danhe	CA	IAC-17.D1.1.6
Chen, Haibing	CA	IAC-17.C1.5.5
Chen, Haibing	CA	IAC-17.C1.IP.19
Chen, Hailong	CA	IAC-17.A1.2.3
CHEN, HAO	A	IAC-17.B5.1.8
CHEN, Hui	A	IAC-17.C4.5.1
Chen, Jian	CA	IAC-17.C4.9.9
Chen, Jianwu	CA	IAC-17.A7.3.12
CHEN, Jingmin	CA	IAC-17.D2.4.8
Chen, Lei	CA	IAC-17.B4.6A.7
Chen, Muye	A	IAC-17.C2.1.9
Chen, Muye	CA	IAC-17.B2.IP.18
Chen, Po-Ting	A	IAC-17.B2.1.7
Chen, Qi	A	IAC-17.C2.7.12
Chen, Qing	A	IAC-17.B4.7.4
Chen, Rongqian	CA	IAC-17.C4.9.1
Chen, ShanGuang	CA	IAC-17.A1.IP.12
Chen, Shiyu	A	IAC-17.C1.6.3
Chen, Siyuan	CA	IAC-17.C2.4.11
Chen, Wenjing	CA	IAC-17.D2.2.12
Chen, Xiaoping	A	IAC-17.A2.7.4
Chen, Xiaoqian	CA	IAC-17.B4.6A.7
Chen, Xing	CA	IAC-17.C2.IP.43
Chen, Yen-Sen	A	IAC-17.C4.2.5
Chen, Zhihua	CA	IAC-17.C1.IP.5
Chen, Zhijie	A	IAC-17.E7.IP.2
Chen, Zhiming	CA	IAC-17.C1.IP.3
Cheng, Cheng	A	IAC-17.C4.3.6
Cheng, Haowen	CA	IAC-17.A6.7.8
CHENG, Jiming	A	IAC-17.C4.IP.23
Cheng, Kunlin	A	IAC-17.C3.3.1
Cheng, Kunlin	CA	IAC-17.C4.IP.39
Cheng, Tangming	CA	IAC-17.E6.1.1
Cheng, Yayong	CA	IAC-17.B2.7.6
Cheng, Zilong	A	IAC-17.D2.8-A5.4.3
Cheng-Campbell, Margareth	CA	IAC-17.A1.8.6
Cheong, Joon Wayn	CA	IAC-17.A3.1.9
Cheong, Joon Wayn	CA	IAC-17.B4.4.3
Cheong, Joon Wayn	CA	IAC-17.C4.IP.31
Cheong, Joon Wayn	CA	IAC-17.B4.6B.9
Chepko, Ariane	CA	IAC-17.A1.2.15
Cherkasova, Maria	CA	IAC-17.C4.4.14
Chern, Rock Jeng-Shing	CA	IAC-17.B3.2.7
Chern, Rock Jeng-Shing	CA	IAC-17.D6.1.6
Chern, Rock Jeng-Shing	CA	IAC-17.E3.2.2
Chern, Rock Jeng-Shing	CA	IAC-17.D6.3.9
Cherniakov, Mike	CA	IAC-17.B1.3.3
Chernikova, Anna	CA	IAC-17.A1.3.6
Chesnutt, David	CA	IAC-17.D2.2.2
Cheung, Kar-Ming	A	IAC-17.B2.5.10
Chhun, Ratana	CA	IAC-17.A2.1.7
Chiang, Abby	A	IAC-17.A1.IP.7
Chiang, Karen	CA	IAC-17.A3.3B.12
CHIBA, Masakatsu	CA	IAC-17.C2.5.4
Chide, Baptiste	A	IAC-17.E2.2.11
Chiesa, Alessandro	CA	IAC-17.A6.IP.21
Chikirev, Vladimir	CA	IAC-17.B3.3.2
Chikouche, Abdelwahab	CA	IAC-17.B4.1.8
Chin, Jit Kai	A	IAC-17.C4.8-B4.5A.7
Chin, Tat-Jun	A	IAC-17.A6.1.4
Ching, Michael	CA	IAC-17.B3.3.9
Chirtu, Cris	CA	IAC-17.B6.3.8
Chitilappilly, Lazar T.	A	IAC-17.C4.9.6
Chitsaz, Mahzad	A	IAC-17.A2.2.11
Chiu, S.W.	A	IAC-17.D4.2.14
Cho, Mengu	CA	IAC-17.B4.1.5
Cho, Mengu	CA	IAC-17.E1.4.1
Cho, Mengu	CA	IAC-17.D5.3.2
Choi, Dongsu	CA	IAC-17.B2.IP.1
Choi, Jin	A	IAC-17.A6.IP.16
Choi, Young-Jun	A	IAC-17.A3.2A.8
Chong, Wen Cheng	CA	IAC-17.B4.7.12
Chong, Wen Yong, Benedict	CA	IAC-17.B6.1.3
Chou, Chi-Wei	CA	IAC-17.C2.1.8
Chowdhury, Arindrajit	CA	IAC-17.C4.IP.40
Choy, Suelynn	A	IAC-17.B2.5.6
Christ, Marc	CA	IAC-17.B4.2.9
Christ, Oliver	CA	IAC-17.E1.3.12
Christall, Steffen	CA	IAC-17.B4.3.8
Christensen, Carissa	CA	IAC-17.E3.3.1
Christensen, Carissa	A	IAC-17.E3.IP.7
Christensen, Ian	CA	IAC-17.E6.2.1
Christensen, Ian	A	IAC-17.E7.6-E3.5.5
Christensen, Ian	CA	IAC-17.A6.10-B4.10.1
Christensen, Philip	CA	IAC-17.A3.IP.11
Christian, Carol	A	IAC-17.E1.7.9
Christopher, Heike	CA	IAC-17.B4.2.9
Chu, Fudong	CA	IAC-17.A6.IP.43
Chu, Q.P.	CA	IAC-17.C1.2.5
Chu, Q.P.	CA	IAC-17.C1.4.12
Chu, Xiaoyu	A	IAC-17.C1.IP.6
Chubachi, Takaomi	A	IAC-17.C2.2.6
Chudinov, Viacheslav	A	IAC-17.C2.IP.10
Chujo, Toshihiro	CA	IAC-17.C2.2.11
Chujo, Toshihiro	CA	IAC-17.C2.5.8
Chun, Francis	CA	IAC-17.E1.2.8
Chung, Soon-Jo	CA	IAC-17.C1.5.2
Chung, Soyoung	A	IAC-17.E4.1.9
Chung, Soyoung	CA	IAC-17.E6.3.7
Chusri, Sutee	A	IAC-17.B6.1.4
Chvanov, Vladimir K.	CA	IAC-17.C4.1.9
Cialone, Giammarco	CA	IAC-17.A6.10-B4.10.8
Ciarambino, Marco	A	IAC-17.D1.3.3
Ciarambino, Marco	A	IAC-17.D2.3.6
Ciarambino, Marco	CA	IAC-17.B6.3.5
Cicalo', Stefano	CA	IAC-17.A3.5.4
Ciccarelli, Silvia	A	IAC-17.E3.IP.8
Cichan, Timothy	A	IAC-17.A5.2.7
Cichan, Timothy	CA	IAC-17.A5.1.5
Cieslinski, Dawid	CA	IAC-17.A2.5.2
Ciezki, Helmut K.	CA	IAC-17.C4.2.8
Cilliers, Pierre	CA	IAC-17.B2.5.7
Cinelli, Ilaria	CA	IAC-17.A5.2.9
Cinelli, Ilaria	CA	IAC-17.B3.IP.12
Cinibulk, Michael	CA	IAC-17.C2.4.9
CIPOLLA, Valerio	A	IAC-17.A2.1.1
Ciriello, Alessandra	CA	IAC-17.D5.1.8
Clanton, Michael	CA	IAC-17.E6.1.1
Clarence Dee, Jan	A	IAC-17.E2.3-GTS.4.9
Clarence Dee, Jan	CA	IAC-17.E2.3-GTS.4.10
Clark, Andrew	CA	IAC-17.B1.2.9
Clark, Craig	CA	IAC-17.B4.4.11
Clark, Craig	CA	IAC-17.B4.7.12
Clarke, Jonathan	CA	IAC-17.E1.7.8
Clayfield, Kimberley	A	IAC-17.E1.5.4
Clemente, Carmine	CA	IAC-17.A6.IP.31
Cline, Sebastian	A	IAC-17.B4.6B.14
Clinton, Raymond G.	A	IAC-17.C2.9.2
Cocchiara, Chiara Maria	CA	IAC-17.E1.5.14
Cocco, Magda	CA	IAC-17.D4.2.4
Coderre, Kathleen	A	IAC-17.A5.1.5
Codispoti, Giuseppe	CA	IAC-17.E5.IP.13
Coelho, Antonio	CA	IAC-17.E2.3-GTS.4.5
Coelho, Antonio	CA	IAC-17.A5.2.6
Coelho, Antonio	CA	IAC-17.A5.1.12
Coelho, Antonio	CA	IAC-17.D4.3.11
Coelho, Antonio	CA	IAC-17.A3.2C.11
Coelho, César	A	IAC-17.B2.6.3
Coelho, Pedro	CA	IAC-17.E6.1.1
Coello Marcelín, Víctor Iván	A	IAC-17.E7.IP.1
Coen, Mauricio	CA	IAC-17.E1.6.13
Coen, Mauricio	CA	IAC-17.B6.IP.3
Coen, Mauricio	A	IAC-17.B6.2.12
Cohen, Brendan	A	IAC-17.E7.3.8
Cohen, Dan	A	IAC-17.B6.IP.12
Cohen, Dan	CA	IAC-17.A2.5.6
Cohen, Dan	CA	IAC-17.A2.5.8
Cohen, Dan	A	IAC-17.B5.2.1
Cohen, Luchino	CA	IAC-17.B3.3.1
Colagrossi, Andrea	CA	IAC-17.B4.8.2
Colagrossi, Andrea	A	IAC-17.C1.9.11
Coleman, Colin	A	IAC-17.D2.IP.10
Coleman, Nikki	A	IAC-17.A1.3.9
Coleman, Nikki	A	IAC-17.E3.4.10
Coleman, Stephen	CA	IAC-17.E3.4.10
Coleman, Stephen	A	IAC-17.A6.8.7
Coletta, Alessandro	CA	IAC-17.B1.1.6
Coletta, Alessandro	CA	IAC-17.E5.4.4
Coletta, Alessandro	CA	IAC-17.B1.IP.17
Collange, Guillaume	CA	IAC-17.D2.1.2
Collaud, Xavier	A	IAC-17.A6.6.5
Colless, Matthew	CA	IAC-17.A7.2.2
Collins, Nathan	CA	IAC-17.A3.3A.10
Colmenarejo, Pablo	A	IAC-17.A6.5.1
Colombatti, Giacomo	CA	IAC-17.A3.3B.2
Colombo, Camilla	CA	IAC-17.A6.2.6
Colombo, Camilla	A	IAC-17.A6.2.8
Colombo, Camilla	CA	IAC-17.A6.4.3
Colombo, Camilla	CA	IAC-17.A6.IP.35
Colombo, Camilla	CA	IAC-17.A6.IP.36
Colombo, Camilla	CA	IAC-17.C1.IP.11
Colombo, Camilla	CA	IAC-17.C1.IP.31
Colombo, Camilla	A	IAC-17.C1.7.12
Colombo, Camilla	CA	IAC-17.C4.6.8
Colombo, Camilla	CA	IAC-17.C1.9.5
Colombo, María	CA	IAC-17.A3.3B.6
Colonna, Piero	CA	IAC-17.C4.6.6
Colton, Aria	A	IAC-17.E6.2.9
Cominsky, Lynn	A	IAC-17.E1.6.1
Conafay, John	A	IAC-17.E3.3.8
Concari, Paolo	CA	IAC-17.D5.3.3
Concu, Raimondo	CA	IAC-17.A4.1.8
Condit, Matt	CA	IAC-17.E1.1.4
Condurache, Daniel	A	IAC-17.C1.9.9
Cong, Longjian	CA	IAC-17.B1.4.2
Connolly, John	A	IAC-17.A5.2.1
Constantini, Fabiano	CA	IAC-17.B5.2.6
Contant, Jean-Michel	CA	IAC-17.E8.1.1
Conte, Alexis	CA	IAC-17.D1.1.2
Conte, Alexis	CA	IAC-17.C4.6.5
Conte, Davide	A	IAC-17.E2.1.9
Conte, Davide	A	IAC-17.B3.9-GTS.2.9
Conticello, Simon Silvio	CA	IAC-17.B4.4.8
Contino, Marie-Christine	CA	IAC-17.D3.1.7
Conwell, Evette	CA	IAC-17.D2.2.7
Cook, Jerry	A	IAC-17.D2.1.7
Cook, Sarah	A	IAC-17.C2.3.9
Cooper, Sam	CA	IAC-17.B2.6.3
COPERET, Herve	A	IAC-17.C4.1.7
Coral, Giulio	CA	IAC-17.E5.4.8
Corbin, Benjamin	CA	IAC-17.B3.2.10
Cornes, Olivier	A	IAC-17.D1.2.8
Cornogolub, Alexandru	A	IAC-17. A6.10-B4.10.11
Coronel Mariño, Gabriel Gustavo	A	IAC-17.D1.4A.1
Corongiu, Alessandro	CA	IAC-17.A4.1.8
Corpino, Sabrina	A	IAC-17.B4.3.3
Corpino, Sabrina	CA	IAC-17.D3.4.1
Corpino, Sabrina	CA	IAC-17.D5.2.1
Corpino, Sabrina	CA	IAC-17.D1.IP.10
Corpino, Sabrina	CA	IAC-17.B6.2.10
Corrales-Corrales, Ernesto	CA	IAC-17.A2.3.10
Correia Mendonça, Helena	CA	IAC-17.E3.2.8
Correia Mendonça, Helena	A	IAC-17.D4.2.4
Corsi, Christopher	CA	IAC-17.E2.3-GTS.4.9
Corsten, Constantin	CA	IAC-17.B3.4-B6.5.4
Cortés, Rolando	CA	IAC-17.C1.2.9
Costa, Maycira	CA	IAC-17.B1.2.6
Coste, Darren	A	IAC-17.D3.IP.4
Cosyn, Philippe	CA	IAC-17.E4.2.1
Cotronei, Vittorio	CA	IAC-17.A1.3.3
Cottitta, Daniel	CA	IAC-17.D2.IP.18
Couetdic, Jocelyn	CA	IAC-17.A6.7.2
Coulloupas, George	CA	IAC-17.C4.9.15
Coulon, Didier	CA	IAC-17.D2.1.1
Court, Andrew	CA	IAC-17.B1.2.6
Cowardin, Heather	CA	IAC-17.A6.3.6
Cowell, Thomas	CA	IAC-17.B6.3.7
Cowley, Aidan	CA	IAC-17.A5.1.7
Cowley, Aidan	CA	IAC-17.A1.IP.34
Cowley, Aidan	CA	IAC-17.A3.IP.17
Cowley, Aidan	CA	IAC-17.A5.IP.6
Cowley, Aidan	A	IAC-17.A3.2C.8
Cowley, Aidan	CA	IAC-17.A3.2C.10
Cowley, William	CA	IAC-17.B2.2.2
Cowley, William	CA	IAC-17.B2.7.10
Cox, Andrew	CA	IAC-17.C1.7.3
Cozmuta, Ioana	CA	IAC-17.B4.9-GTS.5.10
Cozzani, Alessandro	CA	IAC-17.C2.1.2
Cozzoni, Barbara	CA	IAC-17.A3.4A.8
Cozzoni, Barbara	CA	IAC-17.A3.4A.9
Cozzoni, Barbara	CA	IAC-17.A3.4B.3
Craig, Douglas	CA	IAC-17.B3.3.9
Cramarossa, Augusto	CA	IAC-17.E6.3.10
Cramarossa, Augusto	CA	IAC-17.D2.IP.22
Cramarossa, Augusto	CA	IAC-17.E6.IP.4
Crane, Keith	CA	IAC-17.B3.2.10
Cranford Teague, Jason	CA	IAC-17.E1.IP.7
Crawford, Caitlin	A	IAC-17.C2.IP.11
Creech, Steve	A	IAC-17.D2.8-A5.4.5
Cremonese, Gabriele	CA	IAC-17.B3.IP.4
Crespo, Carlos	A	IAC-17.A3.IP.30
Cresto Aleina, Sara	A	IAC-17.E2.1.4
Cresto Aleina, Sara	CA	IAC-17.D3.4.3
Cresto Aleina, Sara	A	IAC-17.D2.IP.6
Cripe, Curtis	A	IAC-17.A1.IP.11
Crisconio, Marino	CA	IAC-17.A1.4.9
Crisconio, Marino	CA	IAC-17.B3.9-GTS.2
Crisp, Nicholas H.	CA	IAC-17.D1.1.2
Crisp, Nicholas H.	CA	IAC-17.C4.6.5
Cristina, Vitor	CA	IAC-17.D5.3.3
Cristoforetti, Samantha	CA	IAC-17.A3.2C.8
Critchley-Marrows, Joshua	A	IAC-17.C1.1.8
Crocker, Andrew	A	IAC-17.D2.5.9
Croft, Steve	CA	IAC-17.A4.1.3
Croitoru, Antonia Nicoleta	CA	IAC-17.B2.7.5
Crowe, William	A	IAC-17.A3.IP.49
Crowl, Adam	A	IAC-17.D4.4.3
Crusan, Jason	A	IAC-17.E6.1.2
Crusan, Jason	A	IAC-17.B3.3.9
Crusan, Jason	A	IAC-17.D1.3.1
Crusan, Jason	A	IAC-17.E1.5.2
Cruz, Hugo	CA	IAC-17.D5.3.3
Cruz, Imanol	CA	IAC-17.C1.3.9
Cui, Hong	CA	IAC-17.C2.4.4
Cui, Jingzhong	CA	IAC-17.B2.3.9
Cui, Pingyuan	CA	IAC-17.B4.3.10
Cui, Pingyuan	CA	IAC-17.C1.3.8
Cui, Pingyuan	CA	IAC-17.A3.3B.11
Cui, Pingyuan	CA	IAC-17.A3.IP.48
Cui, Pingyuan	CA	IAC-17.C1.IP.12
Cui, Yizhuo	CA	IAC-17.E1.IP.34
Culton, John	A	IAC-17.E6.2.2
Culton, John	A	IAC-17.A3.IP.25
Cunha, Rui	CA	IAC-17.B1.3.8
Cunha, Sergio	A	IAC-17.B1.3.8
Cunha, Sergio	CA	IAC-17.D5.3.3
Curianò, Federico	CA	IAC-17.B2.3.3

Curianò, Federico	CA	IAC-17.A6.IP.10
Curianò, Federico	CA	IAC-17.A6.IP.15
Curianò, Federico	CA	IAC-17.E1.IP.32
Custaud, Marc-Antoine	CA	IAC-17.A1.2.12
Cutler, James	CA	IAC-17.A6.9.5
Cutler, James	CA	IAC-17.A6.10-B4.10.8
Cutri, Roc M.	CA	IAC-17.A6.1.7
Cwik, Thomas	CA	IAC-17.A7.1.6

D

Name	Role	Paper
D'Amico, Francesco	A	IAC-17.D1.1.9
D'aversa, Emanuela	CA	IAC-17.D2.IP.22
D'Orgeville, Celine	CA	IAC-17.A6.6.3
D'Silva, Oneil	CA	IAC-17.B3.4-B6.5.11
D. Camba, Jorge	CA	IAC-17.E5.1.5
D. Nguyen, Khoa	CA	IAC-17.B2.2.8
Da Deppo, Vania	CA	IAC-17.A3.5.3
Da Fonseca, Ijar M.	CA	IAC-17.C2.2.1
Da Fonseca, Ijar M.	CA	IAC-17.C2.3.8
Da Fonseca, Ijar M.	A	IAC-17.C2.5.9
da Silva, Luiz Alexandre	A	IAC-17.D1.4B.7
da Silva Curiel, Alex	A	IAC-17.B4.1.4
da Silva Curiel, Alex	A	IAC-17.B4.4.5
da Silva Curiel, Alex	CA	IAC-17.B4.4.6
da Silva Curiel, Alex	CA	IAC-17.E3.3.7
da Silva Curiel, Alex	A	IAC-17.B4.5.5
da Silva Curiel, Alex	CA	IAC-17.B4.5.6
da Silva Curiel, Alex	A	IAC-17.B4.7.6
da Silva Pais Cabral, Francisco	CA	IAC-17.C1.3.1
da Silva Pais Cabral, Francisco	A	IAC-17.A3.4B.10
Dachwald, Bernd	CA	IAC-17.C1.IP.29
Dafnis, Athanasios	CA	IAC-17.C2.1.5
Dafnis, Athanasios	CA	IAC-17.D1.2.3
Dafnis, Athanasios	CA	IAC-17.D1.6.8
Dai, Chang	CA	IAC-17.E7.1.10
Dai, Juan	CA	IAC-17.C1.3.8
Dai, Juan	CA	IAC-17.A3.IP.48
Dai, Kun	CA	IAC-17.E3.IP.11
Daimi, Sayed Umair	A	IAC-17.E2.4.4
Dainotto, Angelo	CA	IAC-17.A6.10-B4.10.9
DalBello, Richard	CA	IAC-17.B3.2.5
DalBello, Richard	CA	IAC-17.D2.7.1
Daligault, Pierre	A	IAC-17.B2.3.4
Dalin, Li	CA	IAC-17.B6.2.8
Dalla Vedova, Florio	CA	IAC-17.A6.2.8
Dally, Bassam	CA	IAC-17.C4.10.12
Dalmas, Benjamin	CA	IAC-17.E1.1.7
Daly, Michael	CA	IAC-17.A3.IP.13
Dami, Michele	CA	IAC-17.A3.5.3
Dan, WU	CA	IAC-17.C2.IP.25
Danieli, Mattia	CA	IAC-17.E3.IP.8
Dannemann, Frank	CA	IAC-17.B4.6A.12
Danous, Patrick	CA	IAC-17.C4.1.10
Dao, Linda	CA	IAC-17.B5.2.7
Daquin, Jerome	A	IAC-17.C1.9.8
Daquin, Jérôme	CA	IAC-17.C1.9.6
Darbha, Sai Phanindra	A	IAC-17.C2.3.10
Dargent, Thierry	CA	IAC-17.C1.6.8
Darvill, James	CA	IAC-17.B5.2.6
Das, Ashwati	CA	IAC-17.A5.IP.11
Das-Stuart, Ashwati	A	IAC-17.C1.7.3
Daub, Dennis	A	IAC-17.C2.IP.28
Daumer, Martin	CA	IAC-17.A2.IP.1
Dauphin, Hugues	CA	IAC-17.C1.6.12
Davenport, Robert	CA	IAC-17.B3.6-A5.3.1
Davidian, Ken	A	IAC-17.E6.2.4
Davidian, Ken	CA	IAC-17.E3.IP.10
Davidová, Lucie	A	IAC-17.B3.9-GTS.2
Davidová, Lucie	A	IAC-17.A1.IP.9
Davidová, Lucie	CA	IAC-17.B3.IP.14
Davidová, Lucie	CA	IAC-17.A3.2C.7
Davidson, Mark	CA	IAC-17.D1.1.2
Davidson, Mark	CA	IAC-17.C4.6.5
Davies, Philip	A	IAC-17.B4.5.6
Davis, Michael	CA	IAC-17.E1.5.1
Davis, Wayne	CA	IAC-17.A3.IP.39
Day, Brian	CA	IAC-17.E1.6.11
Day, Dwayne	CA	IAC-17.A7.1.5
Dayananda, Karanam Ravichandran	CA	IAC-17.B3.6-A5.3.6
De Antonio, Emeline	A	IAC-17.E3.1.2
De Antonio, Emeline	CA	IAC-17.E6.1.1
De Antonio, Emeline	CA	IAC-17.E1.4.6
de Athayde Costa e Silva, Marsil	CA	IAC-17.C4.IP.14
de Athayde Costa e Silva, Marsil	CA	IAC-17.E2.4.3
de Athayde Costa e Silva, Marsil	CA	IAC-17.C4.8-B4.5A.4
De Biasi, Adam	CA	IAC-17.B5.1.4
de Bruijn, Ferdi	CA	IAC-17.C1.6.9
de Bruijn, Ferdi	CA	IAC-17.C1.6.12
De Cristofaro, Davide	CA	IAC-17.A2.3.4
de Crombrugghe, Guerric	A	IAC-17.A2.5.10
De La Puente Cerezo, Fernando	CA	IAC-17.A6.2.10
De La Puente Cerezo, Fernando	CA	IAC-17.D1.4A.6
De la Rosa Turbides, Tomas	CA	IAC-17.A3.2C.12
De La Torre, Andrea	CA	IAC-17.A5.IP.8
de Lafontaine, Jean	CA	IAC-17.B1.IP.7
De Leon, Pablo	CA	IAC-17.A1.7.1
De Leon, Pablo	CA	IAC-17.B3.7.5
de Matos, Clovis	A	IAC-17.A7.3.6
De Mey, Stefaan	CA	IAC-17.B3.1.4
De Nicola, Felice	CA	IAC-17.C2.6.9
de Oliveira Lino, Carlos	CA	IAC-17.D1.4A.1
de Parolis, Lina	CA	IAC-17.B3.3.1
De Paula, Ramon P.	A	IAC-17.A3.3A.1
de Paula Sales, Thiago	CA	IAC-17.C2.5.9
De Quattro, Nicola	CA	IAC-17.D4.2.8
de Raucourt, Sébastien	CA	IAC-17.A3.3B.3
de Roche, Maria	A	IAC-17.B5.1.1
de Roche, Thierry	A	IAC-17.A5.2.10
De Stefano Fumo, Mario	CA	IAC-17.C2.4.9
De Stefano Fumo, Mario	A	IAC-17.C2.6.9
de Weck, Olivier	CA	IAC-17.A5.2.8
de Weck, Olivier	CA	IAC-17.D1.2.8
de Wet, Wouter	CA	IAC-17.A1.5.13
de Wilde, Frederik	CA	IAC-17.E5.3.4
De Zaiacomo, Gabriele	CA	IAC-17.A3.3A.4
de Zwart, Melissa	A	IAC-17.E7.4.13
de Zwart, Melissa	CA	IAC-17.E7.5.5
Debas, Gilles	CA	IAC-17.D2.1.2
Debei, Stefano	CA	IAC-17.A3.3B.2
Debei, Stefano	CA	IAC-17.A3.5.3
DeBoer, David	CA	IAC-17.A4.1.3
Debruille, Jules	CA	IAC-17.C4.7-C3.5.2
Decadi, Aline	A	IAC-17.D2.9-D6.2.1
Deeken, Jan	CA	IAC-17.C4.1.5
DeForest, Craig	CA	IAC-17.A7.2.8
Dehais, Frederic	CA	IAC-17.B3.6-A5.3.3
Deighan, Justin	CA	IAC-17.A3.IP.11
Dekker, Arnold	A	IAC-17.B1.2.6
Del Bianco, Alberto	CA	IAC-17.D6.3.5
Del Castillo Sancho, Cristina	CA	IAC-17.E1.5.3
Del Mastro, Antonio	A	IAC-17.A3.3B.14
Del Mastro, Antonio	A	IAC-17.A3.IP.1
del Monte, Luca	CA	IAC-17.E6.1.5
Del Rio Vera, Jorge	A	IAC-17.D4.2.1
Delamere, william Alan	CA	IAC-17.A5.IP.10
Delaney, Phil	CA	IAC-17.B1.5.6
Delaroche, Christophe	CA	IAC-17.A2.6.1
DeLatte, Danielle	A	IAC-17.E1.IP.17
Delaurentis, Daniel	CA	IAC-17.A5.IP.11
Delbourg, Matthieu	CA	IAC-17.D2.3.1
Delchambre, Simon	CA	IAC-17.C1.3.9
Deleflie, Florent	A	IAC-17.A6.9.1
Deleflie, Florent	CA	IAC-17.C1.9.8
Deleuze, Muriel	CA	IAC-17.A3.4A.8
Deleuze, Muriel	CA	IAC-17.A3.4A.9
Delfa, Juan Manuel	CA	IAC-17.A3.2C.12
Delfini, Andrea	A	IAC-17.C2.6.2
Delfini, Andrea	CA	IAC-17.A6.IP.39
Delfini, Andrea	A	IAC-17.C2.7.6
Delfini, Andrea	CA	IAC-17.C2.8.4
Dell' Aversana, Pasquale	CA	IAC-17.D2.6.2
Dell'Agnello, Simone	CA	IAC-17.B4.8.2
Della Corte, Vincenzo	CA	IAC-17.A3.5.3
Dellantonio, Diego	CA	IAC-17.A3.3A.8
Dello-Iacovo, Michael	A	IAC-17.A2.4.6
Demirci, Tunahan	CA	IAC-17.E1.3.12
Demitri, Christian	CA	IAC-17.D1.1.9
Dempster, Andrew	CA	IAC-17.A5.2.10
Dempster, Andrew	CA	IAC-17.B4.4.3
Dempster, Andrew	CA	IAC-17.C4.IP.31
Dempster, Andrew	CA	IAC-17.B4.6B.9
Dempster, Andrew G.	CA	IAC-17.A3.1.9
Dempster, Andrew G.	CA	IAC-17.C1.3.3
Dempster, Andrew G.	CA	IAC-17.C1.IP.1
Denaro, Angelo	CA	IAC-17.D2.6.3
Deneuve, Ariane	CA	IAC-17.C4.1.10
Deng, Li	CA	IAC-17.A3.2A.11
Deng, Li	A	IAC-17.B2.7.11
Deng, Loulou	A	IAC-17.A7.3.12
Denis, Amandine	CA	IAC-17.B4.2.5
Denis, Michel	CA	IAC-17.A3.3A.8
Denis, Vincent	CA	IAC-17.C2.1.1
Denner, Francois	A	IAC-17.B4.1.2
Derechin, Alexander G.	A	IAC-17.B3.2.2
Derechin, Alexander G.	CA	IAC-17.A5.1.2
Desai, Shardul	CA	IAC-17.B2.6.8
Desai, Shardul	A	IAC-17.B2.6.9
Desai, Shardul	CA	IAC-17.E2.4.4
Desai, Shardul	CA	IAC-17.B2.7.7
Desaraju, Venugopal	CA	IAC-17.B2.2.3
Dessy, Emilie	CA	IAC-17.B3.IP.1
Detrell, Gisela	A	IAC-17.E1.3.1
Detrell, Gisela	CA	IAC-17.A5.2.2
Detrell, Gisela	A	IAC-17.A5.1.9
Detrell, Gisela	CA	IAC-17.A1.IP.34
Detrell, Gisela	CA	IAC-17.A1.7.6
Dettmann, Nico	A	IAC-17.B3.1.8
Deville, Xavier	CA	IAC-17.A6.6.5
Dewfield, Neil	CA	IAC-17.B5.2.6
Dhu, Trevor	A	IAC-17.B1.6.1
Dhu, Trevor	CA	IAC-17.B1.6.2
Di Carmine, Emiliano	CA	IAC-17.A3.5.3
Di Caro, Andrea	CA	IAC-17.E2.3-GTS.4.5
Di Caro, Andrea	CA	IAC-17.A5.2.6
Di Caro, Andrea	CA	IAC-17.A5.1.12
Di Caro, Andrea	CA	IAC-17.D4.3.11
Di Caro, Andrea	CA	IAC-17.A3.2C.11
Di Cecco, Alessandra	A	IAC-17.A6.IP.12
di Ciaccio, Simona	A	IAC-17.E6.3.10
Di Cintio, Pierfrancesco	A	IAC-17.A6.IP.6
Di Girolamo, Filippo Giorgio	CA	IAC-17.A1.3.3
Di Lizia, Pierluigi	CA	IAC-17.A3.4A.6
Di Marco, Stefano	CA	IAC-17.C2.IP.39
Di Pietro, Vincenzo	A	IAC-17.C2.1.4
Di Pippo, Simonetta	CA	IAC-17.A2.6.4
Di Roberto, Riccardo	A	IAC-17.C1.7.2
Di Roberto, Riccardo	CA	IAC-17.C1.9.10
di Stadio, Franco	CA	IAC-17.D2.4.5
Di Vita, Gandolfo	A	IAC-17.C2.1.1
Diaconu, Dumitru	CA	IAC-17.B2.7.4
Diaz de Cerio Goenaga, Rainer	CA	IAC-17.D4.2.8
Diaz Merced, Wanda	CA	IAC-17.E1.7.9
Diaz Schümmer, Carlos	CA	IAC-17.E2.3-GTS.4.1
Dickens, Kevin	A	IAC-17.D2.3.2
Diekmann, Andreas	CA	IAC-17.A3.2C.8
Dielacher, Andreas	CA	IAC-17.B2.3.2
Dietz, Andreas	CA	IAC-17.B1.IP.3
Diez, Eduard	CA	IAC-17.D2.7.3
Dillmann, Rüdiger	CA	IAC-17.D1.6.10
Dimitrijevic, Igor	CA	IAC-17.B2.IP.14
Ding, Suquan	A	IAC-17.B3.3.5
Dingertz, Wilhelm	CA	IAC-17.C4.1.8
Dinkelaker, Aline N.	CA	IAC-17.B4.2.9
Dinkelaker, Aline N.	CA	IAC-17.A2.3.2
Dinkelaker, Aline N.	CA	IAC-17.B3.IP.12
Diprima, Francesco	CA	IAC-17.A6.IP.10
Distler, Mary	CA	IAC-17.D4.2.3
Dixit, Devarrishi	A	IAC-17.A4.2.7
Djamane, Fawzi	CA	IAC-17.B4.1.8
Djebko, Kirill	CA	IAC-17.B4.3.13
Djebko, Kirill	CA	IAC-17.B6.IP.5
Djebko, Kirill	CA	IAC-17.B6.2.2
Djojodihardjo, Harijono	A	IAC-17.C2.3.6
Djojodihardjo, Harijono	A	IAC-17.C4.6.11
Djokic, Drazen	CA	IAC-17.C2.8.12
Dmitrijevic, Igor	CA	IAC-17.A7.2.2
Do, Huan	CA	IAC-17.A6.1.4
Do, Sydney	A	IAC-17.A5.2.8
Dobrea, Diana	CA	IAC-17.A3.2B.9
Dobrea, Diana	CA	IAC-17.A3.2B.10
Dodge, Michael	A	IAC-17.E7.3.2
Doi, Akihiro	CA	IAC-17.C2.2.5
Doki, Shotaro	CA	IAC-17.A1.1.8
Doki, Shotaro	A	IAC-17.A1.IP.18
Dolado Perez, Juan Carlos	A	IAC-17.A6.7.2
Dolan, Connor	A	IAC-17.A1.IP.10
Dolgopolov, Anton	A	IAC-17.E3.3.1
Dombrovski, Slavi	A	IAC-17.B4.6B.10
Dombrovski, Slavi	CA	IAC-17.B6.2.3
Dominguez, Jesus	A	IAC-17.A3.IP.6
Dominguez-Sanchez, Carlos	CA	IAC-17.C1.3.9
Donaldson, Karen	CA	IAC-17.C2.2.7
Dong, Bo	CA	IAC-17.C1.5.10
Dong, Ge	A	IAC-17.D1.1.6
Dong, Guangliang	CA	IAC-17.C1.8.13
Dong, Limin	CA	IAC-17.C1.IP.14
Dong, Shi-Wei	A	IAC-17.C3.2.3
Dong, Shi-wei	CA	IAC-17.C3.2.4
Dong, Shupeng	CA	IAC-17.B2.3.7
Dong, Wenbo	CA	IAC-17.A2.6.5
Dong, YAO	A	IAC-17.C2.IP.35
Dong, Yazhou	A	IAC-17.C3.2.4
Donnerer, Julia	CA	IAC-17.E2.3-GTS.4.1
Dorbath, Carina	CA	IAC-17.C2.1.13
Doressoundiram, Alain	CA	IAC-17.A3.5.3
Dorrington, Graham	A	IAC-17.A3.2B.5
Dorrington, Graham	A	IAC-17.A3.5.8
Dorrington, Scott	A	IAC-17.D4.5.2
Dory, Jonathan	CA	IAC-17.B3.9-GTS.2
dos Reis Raimundi, Lucas	CA	IAC-17.D1.4A.1
Dos Santos, Alvaro Fabricio	A	IAC-17.E7.7-B3.8.10
dos Santos Hahn, Robson	CA	IAC-17.C4.1.5
Doser, Michael	CA	IAC-17.E5.3.10
Doucet, Gilles	A	IAC-17.E7.5.7
Dougherty, Kerrie	A	IAC-17.E4.3A.1
Dougherty, Kerrie	A	IAC-17.E4.3A.3
Dougherty, Kerrie	A	IAC-17.E4.3A.4
Dougherty, Kerrie	CA	IAC-17.E4.2.6
Doughty, Greg	CA	IAC-17.D4.5.4
Dow, Clinton	CA	IAC-17.B1.6.4
Downer, Bethany	A	IAC-17.E6.2.5
Downer, Bethany	A	IAC-17.D4.2.3
Downer, Bethany	CA	IAC-17.B4.8.7
Dragasanu, Claudiu Gabriel	CA	IAC-17.A3.4B.4
Dragasanu, Claudiu Gabriel	CA	IAC-17.B2.7.5
Draguła, Maciej	CA	IAC-17.B3.9-GTS.2.9
Drake, Bret	CA	IAC-17.A5.2.1
Drake, Ginger	CA	IAC-17.A3.3B.4
Drake, Ginger	CA	IAC-17.A3.IP.11
Drescher, Oliver	CA	IAC-17.A2.5.3
Drew, Jamie	CA	IAC-17.B4.9-GTS.5.10
Dreyer, Stephanie	A	IAC-17.C4.1.10
Drobny, Christian	CA	IAC-17.C4.IP.11
Drossart, Pierre	CA	IAC-17.A7.2.4
Drudi, Lisa	CA	IAC-17.E2.3-GTS.4.9
Du, Bin	CA	IAC-17.D2.IP.14
Du, Fang	CA	IAC-17.A1.2.12
Du, Feiping	A	IAC-17.C4.IP.5
Du, Feiping	A	IAC-17.C4.IP.15
Du, Jingshu	CA	IAC-17.E6.3.1
Du, Mengshan	CA	IAC-17.B2.IP.15
Du, Yanxia	CA	IAC-17.A2.2.2
Duan, Kang	CA	IAC-17.E7.4.3
DUAN, Li	A	IAC-17.A2.2.4
DUAN, Li	CA	IAC-17.A2.3.12
Duan, Pengfei	A	IAC-17.B1.3
Duan, Pingping	CA	IAC-17.B2.IP.7
Duarte, Carlos	CA	IAC-17.E1.5.5
Ducerf, Fanny	CA	IAC-17.D2.8-A5.4.2
Dudal, Clement	CA	IAC-17.A3.4A.8
Dudal, Clement	CA	IAC-17.A3.4A.9
Dueck, Andreas	A	IAC-17.C2.3.5

Duggan, Matthew	A	IAC-17.B3.3.10
Duggan, Matthew	A	IAC-17.A5.1.4
Duggan, Matthew	A	IAC-17.B3.7.3
Duke, Richard	CA	IAC-17.B4.1.8
Duke, Richard	CA	IAC-17.B4.6B.3
Duke, Richard	A	IAC-17.B6.3.12
Dukhopel'nikov, Dmitriy	CA	IAC-17.C4.4.14
Dumont, Etienne	A	IAC-17.D2.3.1
Dumont, Etienne	A	IAC-17.D2.4.3
Dumont, Etienne	CA	IAC-17.D2.4.4
Dunham, David	CA	IAC-17.E4.1.3
Dunham, David	A	IAC-17.A5.2.4
Dunklee, Ron E.	CA	IAC-17.B3.4-B6.5.6
Dunlop, David	A	IAC-17.B2.1.2
Dunn, Bex	CA	IAC-17.B1.6.1
Dunn, Jocelyn	CA	IAC-17.A1.1.7
Dupont, Cedric	CA	IAC-17.D2.7.3
Durairaj, Radhakrishnan	A	IAC-17.D2.2.5
Durand-Carrier, Franck	A	IAC-17.D1.5.4
Durán, Cintia	A	IAC-17.E1.9.4
Dussy, Stephane	CA	IAC-17.D2.6.3
DUTHEIL, Jean Philippe	CA	IAC-17.C4.3.11
Dutt, Pooja	CA	IAC-17.A6.IP.26
Dutta, Abinish Kumar	CA	IAC-17.E1.3.6
Dutta, Abinish Kumar	A	IAC-17.E1.5.8
Duvaux-Bechon, Isabelle	A	IAC-17.E5.2.2
Duvaux-Bechon, Isabelle	A	IAC-17.D4.2.2
Duysenhanova, Aygul	CA	IAC-17.D4.2.1
Duzzi, Matteo	CA	IAC-17.E2.3-GTS.4.6
Duzzi, Matteo	CA	IAC-17.A2.3.5
Duzzi, Matteo	A	IAC-17.A2.3.7
Dvorscak, Mark	A	IAC-17.E5.2.4
Dyer, Alex	CA	IAC-17.B4.6B.3
Dyke, George	CA	IAC-17.E5.1.12
Dyrda, David	CA	IAC-17.C4.8-B4.5A.8
Dziura, Martin	CA	IAC-17.B6.2.7
Dziura, Martin	CA	IAC-17.D1.6.7
Dömel, Andreas	CA	IAC-17.A3.IP.31
Dünne, Matthias	A	IAC-17.A1.6.9
Dünne, Matthias	CA	IAC-17.A1.7.10

E

Name	Role	Paper
Ebert, Becca	A	IAC-17.D4.2.7
Ebert, Monica	A	IAC-17.E1.8.1
Ebert, Monica	CA	IAC-17.D4.2.7
Ebert, Monica	CA	IAC-17.E1.IP.16
Ebisuzaki, Toshikazu	CA	IAC-17.A6.IP.1
Ebrahimi, Masoud	CA	IAC-17.D1.IP.12
Ebrahimi, Masoud	CA	IAC-17.B2.7.8
Eccleston, Paul	A	IAC-17.A7.2.4
Eckardt, Andreas	CA	IAC-17.B1.1.3
Ecker, Tobias	CA	IAC-17.D2.4.3
Edeline, Emmanuel	CA	IAC-17.C4.1.2
Edmondo, Scorzafava	CA	IAC-17.A6.IP.38
Edmondson, Steve	CA	IAC-17.D1.1.2
Edmondson, Steve	CA	IAC-17.C4.6.5
Edmundson, Perry	CA	IAC-17.E1.IP.33
Edwards, Christopher	CA	IAC-17.A3.3B.4
Edwards, Christopher	CA	IAC-17.A3.IP.11
Edwards, Philip	CA	IAC-17.A3.4B.8
Efremov, Denis	CA	IAC-17.C2.IP.10
Eggers, Thino	A	IAC-17.D2.6.8
Egron, Elise	CA	IAC-17.A4.1.8
Eguchi, Shunsaku	A	IAC-17.C2.7.5
Ehresmann, Manfred	CA	IAC-17.E1.3.12
Ehresmann, Manfred	A	IAC-17.B4.3.6
Ehresmann, Manfred	CA	IAC-17.B4.3.11
Ehresmann, Manfred	A	IAC-17.D2.IP.13
Ehrlich, Joshua	CA	IAC-17.B3.5.2
Ehrlich, Joshua	A	IAC-17.A1.IP.4
Ehrpais, Hendrik	CA	IAC-17.C1.1.10
Eigenbrod, Christian	CA	IAC-17.A2.5.1
Eisenman, David	CA	IAC-17.D3.3.1
Eissfeller, Bernd	CA	IAC-17.A7.2.9
Ejemalm, Johnny	CA	IAC-17.E1.4.3
Elahi, Hassan	CA	IAC-17.C2.5.6
Elhacham, Emily	CA	IAC-17.B5.1.4
Eliasen, Erik	A	IAC-17.B2.1.9
Elisabet, Wejmo	CA	IAC-17.A3.4A.9
Elisabet, Wejmo	CA	IAC-17.A3.4B.3
Elkins, Adam	CA	IAC-17.E6.1.1
Elkins, Adam	CA	IAC-17.E4.3B.4
Ellenberger, Richard	CA	IAC-17.B3.9-GTS.2
Ellery, Alex	A	IAC-17.C3.1.8
Ellery, Alex	A	IAC-17.B3.7.10
Ellery, Alex	A	IAC-17.D4.5.4
Elliott, Ryan	CA	IAC-17.E2.3-GTS.4.5
Elliott, Ryan	CA	IAC-17.A5.2.6
Elliott, Ryan	CA	IAC-17.A5.1.12
Elliott, Ryan	CA	IAC-17.D4.3.11
Elliott, Ryan	CA	IAC-17.A3.2C.11
Ellis, Ashley	CA	IAC-17.C4.8-B4.5A.2
Ellis, Kim	A	IAC-17.E3.2.10
Elm, Jonathan	CA	IAC-17.A3.IP.6
Elsen, Michael	CA	IAC-17.A2.3.2
Ely, Todd	CA	IAC-17.C1.4.2
Emami, M. Reza	CA	IAC-17.B6.IP.7
Emami, M. Reza	A	IAC-17.A6.6.1
Emdee, Jeffery	A	IAC-17.D2.6.11
Endler, Stephan	CA	IAC-17.C2.2.2
England, Scott	CA	IAC-17.A3.IP.11
Engle, James	CA	IAC-17.A5.1.4
Engler, Simon	A	IAC-17.C3.3.6
Enriquez, J. Emilio	A	IAC-17.A4.1.3
Epenoy, Richard	CA	IAC-17.C1.6.2
Epenoy, Richard	CA	IAC-17.D2.8-A5.4.2
ERDEM, Merve	A	IAC-17.E7.1.3
Erdmann, Matthias	CA	IAC-17.B1.3.2
Erickson, Andrew	A	IAC-17.E4.1.6
Erickson, Andrew	A	IAC-17.E4.3B.1
Erinfolami, Funmilayo	CA	IAC-17.E3.1.6
Erinfolami, Funmilayo	CA	IAC-17.E1.2.9
Ermanni, Paolo	CA	IAC-17.D2.7.3
Ernst, Hauke	CA	IAC-17.B3.4-B6.5.6
Ernst, Hauke	CA	IAC-17.D1.6.4
Ernst, Robert	CA	IAC-17.A7.2.9
Erofeev, Alexander	CA	IAC-17.C4.IP.51
Escobar Rios, Andrea	A	IAC-17.E6.IP.7
Escribano, David	CA	IAC-17.A3.3B.6
Escudero Martin, Yolanda	CA	IAC-17.A3.2C.12
Esposito, Marco	CA	IAC-17.B4.4.8
Esser, Burkard	CA	IAC-17.C2.IP.28
Esty, Charles	CA	IAC-17.C3.2.1
Esty, Charles	A	IAC-17.C3.IP.1
Estébanez Camarena, Mónica	A	IAC-17.B1.5.10
Ettl, Josef	CA	IAC-17.A2.5.3
Eugeni, Marco	A	IAC-17.C2.5.6
Evangora, Anthony	CA	IAC-17.A3.2B.10
Evans, David	CA	IAC-17.B2.3.5
Evans, David	CA	IAC-17.D2.7.12
EVELLIN, Pierre	A	IAC-17.A3.IP.32
EVELLIN, Pierre	A	IAC-17.C4.7-C3.5.5
Evetts, Simon	CA	IAC-17.A1.2.14
Ewald, Reinhold	CA	IAC-17.E1.3.1
Ewald, Reinhold	CA	IAC-17.A5.2.2
Ewald, Reinhold	CA	IAC-17.A5.1.9
Ewald, Reinhold	CA	IAC-17.B3.IP.1
Ewald, Reinhold	CA	IAC-17.A1.7.6
Eyer, Jesse	A	IAC-17.C1.IP.9
Ezhilrajan, Elayaperumal	A	IAC-17.C4.5.12
Ezhilrajan, Elayaperumal	A	IAC-17.C4.IP.2

F

Name	Role	Paper
F. Villas Boas, Danton	CA	IAC-17.B4.5.13
Faber, Weston	CA	IAC-17.A6.9.10
Fabrizio, Capaccioni	CA	IAC-17.A3.5.3
Fabrizio, Carrai	CA	IAC-17.B3.9-GTS.2
Fagbeja, Mofoluso	A	IAC-17.E1.2.9
Faleg, Francesco	CA	IAC-17.D1.1.9
Falguère, Didier	CA	IAC-17.D5.3.5
Falke, Albert	CA	IAC-17.C1.3.9
Falke, Albert	CA	IAC-17.A3.4B.6
Falke, Prasad	A	IAC-17.B2.IP.5
Falvella, Maria Cristina	CA	IAC-17.A1.4.9
Falvella, Maria Cristina	CA	IAC-17.A6.IP.12
Fan, Caizhi	A	IAC-17.B3.6-A5.3.8
Fan, Chengguang	CA	IAC-17.B4.7.3
Fan, Huanzhen	CA	IAC-17.D5.1.6
Fan, Huanzhen	CA	IAC-17.C4.IP.33
Fan, Liming	A	IAC-17.C2.1.7
Fanchiang, Christine	A	IAC-17.E5.1.6
Fanfani, Alessio	A	IAC-17.A6.10-B4.10.9
Fang, Hongzheng	A	IAC-17.D5.1.6
Fang, Qinlin	CA	IAC-17.C2.IP.30
Fang, Qun	CA	IAC-17.A2.5.9
Fantinati, Cinzia	CA	IAC-17.A3.4A.9
Fantino, Elena	CA	IAC-17.C4.8-B4.5A.3
Faragalli, Michele	CA	IAC-17.E1.IP.33
Farid, Ahmed	A	IAC-17.A1.IP.17
Farine, Pierre-André	CA	IAC-17.B2.3.1
Farquhar, Irene	A	IAC-17.E4.1.3
Fasano, Luca	A	IAC-17.D5.4.5
Fasoulas, Stefanos	CA	IAC-17.D1.1.2
Fasoulas, Stefanos	CA	IAC-17.A5.1.9
Fasoulas, Stefanos	CA	IAC-17.C4.6.5
Fasoulas, Stefanos	CA	IAC-17.C4.10.1
Fateri, Miranda	CA	IAC-17.A3.2C.2
Fateri, Miranda	CA	IAC-17.C2.9.13
Fathali, Mani	CA	IAC-17.A2.2.11
Fatica, Mirella	CA	IAC-17.E6.3.10
Fatile, Samuel	CA	IAC-17.E1.2.9
Faull, Jonathan	CA	IAC-17.D1.1.3
Faull, Jonathan	A	IAC-17.D3.1.2
Faull, Jonathan	CA	IAC-17.B3.IP.3
Faure, Pauline	A	IAC-17.E1.5.7
Favier, Jean-Jacques	CA	IAC-17.C4.7-C3.5.5
Fazio-Nagy, Jordan	CA	IAC-17.E1.2.13
Fedele, Alberto	CA	IAC-17.D2.6.2
Fedele, Alberto	A	IAC-17.D2.6.3
Federici, Mauro	CA	IAC-17.B2.5.3
Feigh, Karen	CA	IAC-17.B3.7.6
Felix, Carmen	CA	IAC-17.A5.2.9
Felix, Carmen	CA	IAC-17.E5.5.3
Fellinger, Gerhard	CA	IAC-17.B4.3.13
Fellinger, Gerhard	A	IAC-17.B6.IP.5
Fellinger, Gerhard	CA	IAC-17.B6.2.2
Fellous, Jean-Louis	CA	IAC-17.A1.6.2
Fellowes, Simon	CA	IAC-17.B4.1.8
Fellowes, Simon	CA	IAC-17.B4.6B.3
Fellowes, Simon	CA	IAC-17.B6.3.12
Fellows, Abigail	CA	IAC-17.A1.2.15
Feltrin, Francesco	A	IAC-17.D1.1.4
Feltrin, Francesco	A	IAC-17.D1.2.10
Feltrin, Francesco	CA	IAC-17.A2.3.5
Fen, Qin	A	IAC-17.B2.IP.17
fen WANG, Fen	CA	IAC-17.C1.IP.13
Feng, Louis Wei-yu	A	IAC-17.A6.6.6
Feng, Miao	A	IAC-17.B4.6A.4
Feng, Xiu	CA	IAC-17.A2.7.3
Feng, Zhai	CA	IAC-17.B4.4.10
Feng, Zhun	CA	IAC-17.B4.3.10
Fengwen, Wang	CA	IAC-17.D1.IP.23
Fennell, Bryan	CA	IAC-17.D2.4.11
Fernandes, Melissa	CA	IAC-17.A3.IP.32
Fernandes, Melissa	CA	IAC-17.B5.2.7
Fernandez Villace, Victor	CA	IAC-17.D3.4.3
Fernando, Benjamin	A	IAC-17.E2.1.10
Fernández, Marianela	CA	IAC-17.A3.3B.6
Ferrari, Fabio	CA	IAC-17.B4.8.2
Ferrario, Lorenzo	A	IAC-17.A6.IP.42
Ferrario, Lorenzo	CA	IAC-17.A6.10-B4.10.9
Ferraris, Simona	CA	IAC-17.A1.4.9
FERREIRA, Eugenio	CA	IAC-17.D2.8-A5.4.2
Ferreira, Ivo	CA	IAC-17.A7.1.4
Ferreira, Ivo	A	IAC-17.A7.IP.3
Ferreira, Luís	A	IAC-17.B1.3.2
Ferreira, Maurício Gonçalves Vieira	CA	IAC-17.B6.1.12
Ferrer-Gil, Eloi	CA	IAC-17.C1.6.4
Ferretti, Stefano	A	IAC-17.E5.IP.11
Ferretti, Stefano	A	IAC-17.B2.8-GTS.3.2
Ferri, Francesca	A	IAC-17.A3.3B.2
Ferri, Paolo	A	IAC-17.A3.4A.3
Ferri, Paolo	CA	IAC-17.D1.5.2
Ferrington, Nicolas	CA	IAC-17.A3.3A.2
Ferrington, Nicolas	CA	IAC-17.A3.IP.11
Ferrington, Nicolas	CA	IAC-17.A3.IP.39
Ferro, Carlo	A	IAC-17.C2.7.1
Feruglio, Lorenzo	CA	IAC-17.D5.2.1
Feruglio, Lorenzo	CA	IAC-17.D1.IP.10
Feruglio, Lorenzo	A	IAC-17.B6.2.10
Feuillard, Raùl	CA	IAC-17.A2.IP.1
Fiamengo, Marcia	A	IAC-17.D3.IP.1
Fiamengo, Marcia	A	IAC-17.E1.9.9
Ficai Veltroni, Iacopo	A	IAC-17.A3.5.3
Fiedler, Gilbert	A	IAC-17.E1.2.4
Fiedler, Hauke	A	IAC-17.A6.1.2
Fiedler, Hauke	CA	IAC-17.A6.IP.44
Fielding, Ray	CA	IAC-17.B4.4.11
Fikes, John	CA	IAC-17.D3.2.1
Filacchione, Gianrico	CA	IAC-17.B3.IP.4
Filacchione, Gianrico	CA	IAC-17.A3.5.3
Filatyev, Alexander S.	A	IAC-17.C4.IP.51
Fillingim, Mathew	CA	IAC-17.A3.IP.11
Finch, Robert	CA	IAC-17.B5.2.6
Fineschi, Silvano	CA	IAC-17.A7.2.11
Fink, Andreas	CA	IAC-17.B3.IP.1
Finke, Felix	A	IAC-17.A2.1.6
Finke, Felix	CA	IAC-17.C4.IP.31
Finogenov, Sergey	A	IAC-17.C4.7-C3.5.9
Finzi, Amalia Ercoli	A	IAC-17.A3.4A.6
Fioravanti, Valeria	CA	IAC-17.A5.2.6
Fioravanti, Valeria	CA	IAC-17.A5.1.12
Fioravanti, Valeria	CA	IAC-17.D4.3.11
Fioravanti, Valeria	CA	IAC-17.A3.2C.11
Fiotti, Nicola	CA	IAC-17.A1.3.3
Fisackerly, Richard	CA	IAC-17.A3.2B.7
Fischer, Christian	CA	IAC-17.B1.1.3
Fischer, Georg	CA	IAC-17.E2.3-GTS.4.1
Fittock, Mark	A	IAC-17.A3.IP.16
Fitz-Coy, Norman	CA	IAC-17.C1.2.11
Fitz-Coy, Norman	CA	IAC-17.E1.3.8
Fitz-Coy, Norman	CA	IAC-17.A6.3.6
Fitz-Coy, Norman	CA	IAC-17.A6.IP.33
Fitz-Coy, Norman	CA	IAC-17.A6.IP.34
Fitz-Coy, Norman	CA	IAC-17.A6.IP.41
Fitzgerald, Jonathan	A	IAC-17.E5.IP.7
Fitzgerald, Michael	CA	IAC-17.D4.3.1
Fitzgerald, Michael	CA	IAC-17.D4.3.8
Flaherty, Liam	A	IAC-17.E2.2.8
Flamini, Enrico	CA	IAC-17.B3.IP.4
Flamini, Enrico	CA	IAC-17.A3.5.3
Flamini, Enrico	CA	IAC-17.B2.8-GTS.3.4
Flegel, Sven Kevin	A	IAC-17.A6.2.3
Fleischmann, Josef	CA	IAC-17.A3.4B.5
Flemming, Hans-Curt	CA	IAC-17.A1.6.5
Flock, Andreas	CA	IAC-17.D2.6.1
Flohrer, Tim	CA	IAC-17.A6.1.5
Florczuk, Wojciech	CA	IAC-17.A2.5.2
Floreano, Dario	CA	IAC-17.E2.3-GTS.4.4
Flores Aguilar, Estephania	CA	IAC-17.E7.IP.13
Flores Pozo, Kattia	CA	IAC-17.C1.IP.9
Flury, Walter	A	IAC-17.A6.8.1
Foglia Manzillo, Pierluigi	CA	IAC-17.B4.4.8
Foing, Bernard	CA	IAC-17.D3.1.5
Foing, Bernard	CA	IAC-17.A3.3B.14
Foing, Bernard	CA	IAC-17.E1.5.5

Foing, Bernard	A	IAC-17.E5.3.4
Foing, Bernard	CA	IAC-17.E1.7.4
Foing, Bernard	CA	IAC-17.A2.IP.1
Foing, Bernard	CA	IAC-17.A3.IP.1
Foing, Bernard	A	IAC-17.A3.IP.5
Foing, Bernard	CA	IAC-17.B3.IP.13
Foing, Bernard	A	IAC-17.B3.IP.14
Foing, Bernard	CA	IAC-17.A3.2C.7
Foley, Kevin D.	CA	IAC-17.D3.2.6
Folta, David C.	CA	IAC-17.C1.7.3
Fomina, Elena	A	IAC-17.A1.2.7
Fonseca, Moacir	CA	IAC-17.A2.3.10
Forbes-Spyratos, Sholto	CA	IAC-17.D2.7.4
Force, Melissa Kemper	A	IAC-17.E7.5.12
Forget, Francois	CA	IAC-17.A3.3B.2
Forget, Francois	CA	IAC-17.A3.IP.11
Formaro, Roberto	CA	IAC-17.A3.5.3
Forrester, Crystal	A	IAC-17.D4.1.3
Forshaw, Jason	A	IAC-17.A6.6.4
Fortunato, Antonio	CA	IAC-17.A5.1.7
Fossati, Marco	CA	IAC-17.C4.9.17
Fossum, Knut	CA	IAC-17.B3.5.4
Foster, Tara	CA	IAC-17.D3.1.2
Fournier, Roxanne	A	IAC-17.A1.IP.33
Fournier, Roxanne	CA	IAC-17.E1.IP.22
Fournier-Bidoz, Elise	CA	IAC-17.C4.8-B4.5A.8
Foust, Joseph	CA	IAC-17.B2.2.4
Foust, Rebecca	A	IAC-17.C1.5.2
Foweraker, Neill	CA	IAC-17.B6.3.3
Foweraker, Neill Philip	CA	IAC-17.B6.3.3
Fragner, Heinrich	CA	IAC-17.B2.3.2
Fraley, Deborah	CA	IAC-17.D1.4B.4
Francesconi, Alessandro	CA	IAC-17.D1.1.4
Francesconi, Alessandro	CA	IAC-17.E2.3-GTS.4.6
Francesconi, Alessandro	CA	IAC-17.D1.2.10
Francesconi, Alessandro	CA	IAC-17.A2.3.5
Francesconi, Alessandro	CA	IAC-17.A2.3.7
Francesconi, Alessandro	CA	IAC-17.A6.10-B4.10.4
Franchi, Loris	A	IAC-17.D3.4.1
Franchi, Loris	A	IAC-17.D5.2.1
Franchi, Loris	A	IAC-17.D1.IP.10
Franchi, Loris	CA	IAC-17.B6.2.10
Franchitti, Stefania	CA	IAC-17.C2.9.10
Francis, Raymond	CA	IAC-17.B6.3.4
Frank, Robin	A	IAC-17.D4.5.5
Frank, Robin	A	IAC-17.E7.5.14
Franklin, Sam	CA	IAC-17.B5.1.4
Franklin, Sam	CA	IAC-17.E4.3B.4
FRANSEN, SEBASTIAAN	CA	IAC-17.A7.1.4
FRANSEN, SEBASTIAAN	CA	IAC-17.A7.IP.3
Franze, Marius	CA	IAC-17.D2.6.8
Frayling, Alyssa	CA	IAC-17.D4.2.3
Frayling, Alyssa	CA	IAC-17.A3.IP.32
Freeland, Steven	A	IAC-17.E7.4.1
Freeman, Marsha	A	IAC-17.E4.1.1
Freimann, Andreas	CA	IAC-17.B4.3.8
Freimann, Andreas	A	IAC-17.B4.7.9
Frey, Sandor	CA	IAC-17.E1.6.8
Frey, Stefan	A	IAC-17.A6.2.6
FREZET, Michel	A	IAC-17.E7.6-E3.5.2
Frezza, Lorenzo	A	IAC-17.B4.1.12
Frezza, Lorenzo	CA	IAC-17.B2.3.3
Frezza, Lorenzo	CA	IAC-17.E1.IP.32
Friend, Andrew	CA	IAC-17.E1.9.1
Fries, Dan	CA	IAC-17.D1.2.5
Fries, Dan	CA	IAC-17.B4.8.7
Frioult, Marcy	CA	IAC-17.A1.7.10
Frischauf, Norbert	CA	IAC-17.A2.5.6
Frischauf, Norbert	CA	IAC-17.A2.5.8
Fritsch, Dieter	CA	IAC-17.B4.3.11
Fritsch, Dieter	CA	IAC-17.B2.5.8
Froebel, Ludger	CA	IAC-17.D3.4.4
Froehlich, LL.M., MAS, Annette	A	IAC-17.E3.1.9
Froehlich, LL.M., MAS, Annette	A	IAC-17.E1.7.3
Frösler, Jan	CA	IAC-17.A1.6.5
Fu, Kangjia	A	IAC-17.C2.IP.36
Fu, Wenli	CA	IAC-17.C3.2.4
Fu, Wentao	A	IAC-17.A3.IP.52
Fu, Xiaojing	CA	IAC-17.D1.IP.3
Fu, Xiaowei	A	IAC-17.D1.IP.3
Fuchs, Christian	CA	IAC-17.B2.4.2
Fuchs, Christian	CA	IAC-17.B3.4-B6.5.6
Fuelberth, William	CA	IAC-17.B4.2.1
Fuentes, Carolina	CA	IAC-17.A1.5.4
Fuglesang, Christer	A	IAC-17.A3.5.5
Fuglesang, Christer	A	IAC-17.D3.3.3
Fujiang, Yang	A	IAC-17.C4.IP.46
Fujii, Kozo	CA	IAC-17.E1.3.10
Fujimoto, Kohei	CA	IAC-17.A6.10-B4.10.7
Fujita, Koki	CA	IAC-17.A6.9.6
Fujita, Koki	CA	IAC-17.A6.IP.28
Fujita, Shinya	A	IAC-17.B4.6A.11
Fukiba, Katsuyoshi	CA	IAC-17.D2.5.13
Fukiba, Katsuyoshi	CA	IAC-17.D4.3.4
Fukuda, Seisuke	CA	IAC-17.C1.IP.26
Fulford, Paul	CA	IAC-17.A3.3B.12
Fulford, Paul	CA	IAC-17.B3.6-A5.3.2
Fulford, Paul	CA	IAC-17.D1.6.5
Funabiki, Nobuhiro	CA	IAC-17.E6.1.9
Funamoto, Jiro	CA	IAC-17.B4.4.3
Funase, Ryu	CA	IAC-17.D1.2.11
Funase, Ryu	CA	IAC-17.A3.4B.7
Funke, Oliver	CA	IAC-17.A7.2.9
Funke, Tobias	CA	IAC-17.D1.3.11
Funtova, Irina	CA	IAC-17.A1.2.10
Funtova, Irina	CA	IAC-17.A1.2.11
Furfaro, Roberto	CA	IAC-17.A5.2.4
Furuya, Hiroshi	CA	IAC-17.C2.2.6
Fusaro, Roberta	CA	IAC-17.D3.4.3
Fusaro, Roberta	CA	IAC-17.D6.3.5
Fusaro, Roberta	CA	IAC-17.D2.IP.6
Fusella, Giuseppe	CA	IAC-17.A1.IP.26
Förstner, Roger	CA	IAC-17.A7.2.7
Förstner, Roger	CA	IAC-17.A7.2.9
Förstner, Roger	CA	IAC-17.C1.3.4
Förstner, Roger	CA	IAC-17.C1.6.4
Förstner, Roger	CA	IAC-17.A6.IP.45
Förstner, Roger	CA	IAC-17.A3.5.9
Förstner, Roger	CA	IAC-17.B6.2.11
Förstner, Roger	CA	IAC-17. A6.10-B4.10.12

G

Name	Role	Paper
G, Levin	CA	IAC-17.A3.IP.20
Gabriele, Cremonese	CA	IAC-17.A3.5.3
Gabrieli, Riccardo	CA	IAC-17.B1.3.4
Gabrielli, Alessandro	A	IAC-17.A7.2.11
Gabrielli, Alessandro	A	IAC-17.D2.IP.22
Gabrielli, Alessandro	CA	IAC-17.C1.7.12
Gabrielli, Alessandro	CA	IAC-17.C2.8.4
Gadkari, Aditi	CA	IAC-17.B2.6.8
Gadkari, Aditi	CA	IAC-17.B2.6.9
Gadkari, Aditi	CA	IAC-17.B2.7.7
Gaeta, Michele	CA	IAC-17.B4.1.12
Gaeta, Michele	CA	IAC-17.B4.9-GTS.5.4
Gagliardi, Marina	A	IAC-17.E7.2.13
Gajjar, Vishal	CA	IAC-17.A4.1.3
Galand, Quentin	A	IAC-17.A2.4.4
Galeone, Piero	CA	IAC-17.E1.5.3
Galeone, Piero	CA	IAC-17.E3.4.8
Galica, Carol	CA	IAC-17.E6.1.2
Galica, Carol	CA	IAC-17.E1.5.2
Gallego, Paloma	CA	IAC-17.A3.3B.6
Galoforo, Germana	CA	IAC-17.B3.9-GTS.2
Galvagni, Luigi	CA	IAC-17.A6.IP.38
Galvez, Andres	CA	IAC-17.A3.4B.3
Gan, Qingbo	CA	IAC-17.D1.1.8

Ganatra, Devanshu	A	IAC-17.E3.2.11
Ganatra, Devanshu	A	IAC-17.D4.5.14
Gancet, Jeremi	CA	IAC-17.A3.2B.10
Gancet, Jeremi	CA	IAC-17.A3.2C.2
Gancet, Jeremi	CA	IAC-17.C2.9.13
Ganchev, Nikola	CA	IAC-17.C2.1.13
Gandía, Fernando	CA	IAC-17.A3.IP.30
Ganti, Hemant	A	IAC-17.C3.3.9
Gao, Ai	CA	IAC-17.C1.3.8
Gao, Chen	A	IAC-17.A7.IP.5
Gao, Xiaowei	CA	IAC-17.C4.IP.3
Gao, Xin	A	IAC-17.C2.IP.5
Garber, Darren	CA	IAC-17.A6.10-B4.10.3
Garcia, Byron	CA	IAC-17.E3.1.11
Garcia, Daniel	CA	IAC-17.E3.1.11
Garcia, Francisco	A	IAC-17.D2.7.9
Garcia Bourne, Enrique	CA	IAC-17.A3.2B.12
Garcia Bourne, Enrique	A	IAC-17.D3.2.8
Garcia Bourne, Enrique	CA	IAC-17.C3.3.7
Garcia Bourne, Enrique	A	IAC-17.A3.IP.36
Garcia Bourne, Enrique	CA	IAC-17.D3.3.10
Garcia Garrido, Javier	A	IAC-17.C2.6.6
GARCIA HERNANDEZ, LOURDES	A	IAC-17.E1.9.12
GARCIA HERNANDEZ, LOURDES	A	IAC-17.E5.5.12
Garcia Olaya, Angel	CA	IAC-17.A3.2C.12
Garcia-Almiñana, Daniel	CA	IAC-17.D1.1.2
Garcia-Almiñana, Daniel	CA	IAC-17.C4.6.5
García Marirrodriga, Cesar	A	IAC-17.A7.1.2
García Yárnoz, Daniel	CA	IAC-17.D4.2.1
García Yárnoz, Daniel	CA	IAC-17.A2.6.4
Gard, Joseph	CA	IAC-17.B3.1.7
Gardi, Roberto	A	IAC-17.D2.6.2
Gardi, Roberto	A	IAC-17.C2.9.10
Gargano, Mark	A	IAC-17.E1.2.7
Gargano, Mark	CA	IAC-17.E1.2.8
Gargioli, Eugenio	CA	IAC-17.A1.4.4
Garmier, Romain	CA	IAC-17.A3.4A.9
Garrabos, Yves	CA	IAC-17.A2.4.2
Garrabos, Yves	CA	IAC-17.A2.6.1
Garramone, Luciano	CA	IAC-17.B2.8-GTS.3.4
Garrett, Mike	A	IAC-17.A4.1.1
Garrick-Bethell, Ian	CA	IAC-17.A3.2A.8
Garvey, Robert	CA	IAC-17.B2.6.5
Gasbarri, Paolo	CA	IAC-17.C1.1.5
Gasbarri, Paolo	CA	IAC-17.C2.2.4
Gasbarri, Paolo	CA	IAC-17.C2.3.8
Gasbarri, Paolo	CA	IAC-17.B4.5.13
Gasbarri, Paolo	CA	IAC-17.C2.9.9
Gashinova, Marina	CA	IAC-17.B1.3.3
Gaslac, Daniel	CA	IAC-17.C1.8.5
Gasparrini, Marco Jerome	CA	IAC-17.E2.3-GTS.4.5
Gasparrini, Marco Jerome	CA	IAC-17.A5.2.6
Gasparrini, Marco Jerome	CA	IAC-17.A5.1.12
Gasparrini, Marco Jerome	CA	IAC-17.D4.3.11
Gasparrini, Marco Jerome	CA	IAC-17.A3.2C.11
Gasparyan, Artur	CA	IAC-17.B6.2.3
Gatens, Robyn	A	IAC-17.A1.4.5
Gates, Michele	A	IAC-17.B3.1.7
Gattu, Navyata	CA	IAC-17.A6.4.4
Gauche, Jean-Francois	CA	IAC-17.D1.6.4
Gaudenzi, Paolo	CA	IAC-17.C2.5.6
Gaudin, David	A	IAC-17.E2.1.12
Gautam, Suman	A	IAC-17.E1.8.6
Gautier, Helene	CA	IAC-17.B6.3.7
GAUTRONNEAU, ERIC	A	IAC-17.C4.2.3
Gawlik, Thomas	CA	IAC-17.A2.5.3
Gaza, Razvan	A	IAC-17.A1.5.7
Ge, Dantong	A	IAC-17.A3.IP.48
Ge, Qing	A	IAC-17.A2.7.5
Gediminas, Linus	CA	IAC-17.C4.1.8
Gege, Peter	CA	IAC-17.B1.2.6
Gehly, Steve	CA	IAC-17.E2.1.7
Gehly, Steve	A	IAC-17.A6.7.5
Gehring, Christian	CA	IAC-17.D3.3.5
Gellert Paris, Alexandre	CA	IAC-17.C3.2.5
Gemmer, Thomas	CA	IAC-17.A3.5.2
Gemmer, Thomas	A	IAC-17.C4.6.12
Gemmer, Thomas	A	IAC-17.C4.7-C3.5.11
Geng, Binbin	CA	IAC-17.D3.3.6
Genova, Anthony	CA	IAC-17.A5.2.4
Genta, Giancarlo	A	IAC-17.A5.2.5
Genta, Giancarlo	A	IAC-17.B3.6-A5.3.7
Genzel, Philomena-Theresa	CA	IAC-17.E1.3.12
Georges, Robert	CA	IAC-17.C4.4.15
Geradi, Domenico	CA	IAC-17.A2.1.2
Gerndt, Andreas	CA	IAC-17.A7.IP.5
Gerstenmaier, William H.	A	IAC-17.B3.1.1
Gerth, Ingo	A	IAC-17.A7.2.5
Gerth, Ingo	CA	IAC-17.C1.3.1
Geurts, Koen	CA	IAC-17.A3.4A.8
Gevargiz, Robert	CA	IAC-17.B5.2.7
Ghadaki, Farnaz	A	IAC-17.E6.1.10
Ghafoor, Nadeem	A	IAC-17.A3.2A.9
Ghasemzadeh, Leila	CA	IAC-17.A5.2.9
Ghasemzadeh, Leila	CA	IAC-17.B2.8-GTS.3.8
Ghassabian Gilan, Hady	CA	IAC-17.A5.2.9
Ghassabian Gilan, Hady	CA	IAC-17.D4.2.8
Ghassabian Gilan, Hady	CA	IAC-17.B3.5.2
Ghazanfarinia, Sajjad	A	IAC-17.E1.7.7
Ghazanfarinia, Sajjad	A	IAC-17.E1.1.5
Ghizoni, Leonardo	CA	IAC-17.D1.1.2
Ghizoni, Leonardo	CA	IAC-17.C4.6.5
Gianfermo, Andrea	CA	IAC-17.B2.3.3
Gianfermo, Andrea	A	IAC-17.E1.IP.32
Giannacopoulos, Steven	CA	IAC-17.E2.3-GTS.4.10
Giannopapa, Christina	CA	IAC-17.E3.1.5
Giannopapa, Christina	A	IAC-17.E3.4.5
Giannopapa, Christina	CA	IAC-17.E6.3.1
Giannopapa, Christina	CA	IAC-17.D5.2.6
Giannopapa, Christina	CA	IAC-17.E3.IP.10
Giannopapa, Christina	CA	IAC-17.E3.IP.15
Giannopapa, Christina	CA	IAC-17.E6.IP.5
Giardi, Maria Teresa	CA	IAC-17.A1.IP.26
Giardino, Claudia	CA	IAC-17.B1.2.6
Gibb, Robert	CA	IAC-17.B1.6.4
Gibbings, Alison	CA	IAC-17.A3.IP.53
Gibson, Marc	CA	IAC-17.C4.7-C3.5.6
Gierse, Andreas	CA	IAC-17.A2.5.5
Giggenbach, Dirk	CA	IAC-17.B2.4.2
Gil-Fernandez, Jesus	CA	IAC-17.C1.3.1
Gil-Fernandez, Jesus	CA	IAC-17.A6.5.1
Gil-Fernandez, Jesus	CA	IAC-17.A3.4B.3
Gil-Fernandez, Jesus	CA	IAC-17.A3.4B.10
Gilchrist, Brian	CA	IAC-17.B4.2.4
Gill, Eberhard	CA	IAC-17.B4.9-GTS.5.6
Gill, Eberhard	CA	IAC-17.A6.5.6
Gill, Eberhard	CA	IAC-17.C4.6.6
Gill, Tracy	CA	IAC-17.E1.5.2
Gill, Tracy	CA	IAC-17.A1.IP.4
Gini, Andrea	A	IAC-17.E6.1.7
Ginsberg, Margery	CA	IAC-17.E1.IP.36
Giorgio, Vincenzo	A	IAC-17.E3.6.8
Girard, Nathalie	CA	IAC-17.C4.1.2
Gitten, Robert	CA	IAC-17.A6.9.5
Gitten, Robert	CA	IAC-17.A6.10-B4.10.8
Giuliatti Winter, Silvia Maria	A	IAC-17.C1.8.5
Giusto, Giovangiuseppe	CA	IAC-17.C2.6.9
Gjersvik, Amund	CA	IAC-17.E1.3.7
Gjersvik, Amund	CA	IAC-17.E1.4.8
Gjesvold, Evan	A	IAC-17.A3.IP.27
Gjesvold, Evan	A	IAC-17.A6.6.9
Gkolias, Ioannis	A	IAC-17.A6.4.3
Glass, Florian	CA	IAC-17.E4.3B.4
Glickman-Pariente, Maya	CA	IAC-17.B6.2.1
Gloder, Alessia	CA	IAC-17.E2.3-GTS.4.6
Glover, Daniel	A	IAC-17.D1.1.3
Glover, Daniel	A	IAC-17.B3.IP.3
Gluth, Stuart	CA	IAC-17.E5.3.2
Gmeiner, Bernhard	CA	IAC-17.A1.2.6
Gmeiner, Heinrich	CA	IAC-17.A3.IP.31

Gmeiner, Heinrich	CA	IAC-17.A3.2C.3
Gobert, Thibaud	CA	IAC-17.B3.5.4
Gobert, Thibaud	CA	IAC-17.C2.9.13
Godse, Anupam	CA	IAC-17.B2.6.8
Godse, Anupam	CA	IAC-17.B2.6.9
Godse, Anupam	CA	IAC-17.B2.7.7
Goel, Abhishek	CA	IAC-17.E2.4.7
Goel, Ena	CA	IAC-17.B3.2.8
Goel, Ena	CA	IAC-17.A4.2.7
Goel, Ena	CA	IAC-17.E1.IP.15
Goel, Ena	CA	IAC-17.C4.7-C3.5.2
Goel, Ena	CA	IAC-17.D4.4.7
Goggin, McClain	A	IAC-17.B4.2.8
Goh, Cher-Hiang	CA	IAC-17.B6.1.3
Goh, Weixiong	CA	IAC-17.D2.3.1
Golkar, Alessandro	CA	IAC-17.D1.1.5
Gollan, Rowan	CA	IAC-17.C4.9.17
Golroo, Ali Akbar	CA	IAC-17.E7.2.6
Golubev, Yury	CA	IAC-17.C1.7.7
Gomes, Luis	CA	IAC-17.B4.4.5
Gomes, Luis	CA	IAC-17.B4.4.6
Gomes, Luis	CA	IAC-17.B4.7.6
Gomes, Luis	A	IAC-17.C4.8-B4.5A.1
Gomes, Rahul	A	IAC-17.B3.6-A5.3.6
Gomez, Gerard	CA	IAC-17.C1.8.2
Gomez, Susan	A	IAC-17.B3.4-B6.5.1
Gomez Jenkins, Marco	A	IAC-17.B4.1.11
Gomez Jenkins, Marco	A	IAC-17.E3.1.11
Gong, Chunlin	A	IAC-17.D2.4.7
Gong, Chunlin	CA	IAC-17.D1.IP.19
Gong, Chunlin	A	IAC-17.B4.6B.12
Gong, Yongsheng	CA	IAC-17.B5.1.12
GONG, Zizheng	A	IAC-17.A6.3.8
Gonthier, Yves	CA	IAC-17.B3.6-A5.3.2
Gonyea, Keir	CA	IAC-17.D3.2.4
Gonzalez del Amo, Jose	CA	IAC-17.C4.6.7
Gonzalez-Arjona, David	CA	IAC-17.C1.3.9
González, Gerardo	CA	IAC-17.D1.1.2
González, Gerardo	CA	IAC-17.C4.6.5
Goossens, Marc	CA	IAC-17.D5.2.6
Gordon, Kayleigh	A	IAC-17.D2.IP.17
Gorgolewski, Aleksander	CA	IAC-17.B3.9-GTS.2.9
Gorlov, Alex	CA	IAC-17.A6.4.2
Gorman, Alice	A	IAC-17.A1.IP.13
Gorman, Alice	A	IAC-17.A3.IP.34
Gorman, Alice	A	IAC-17.A6.8.2
Gorur, Eren	A	IAC-17.E3.1.10
Goss, Rosalin	A	IAC-17.A1.5.10
Goss, Rosalin	A	IAC-17.A1.8.2
Gottzein, Eveline	CA	IAC-17.C1.6.12
Gotzig, Ulrich	CA	IAC-17.C4.1.8
Gou, Zhongqiu	CA	IAC-17.C1.IP.8
Govindaraj, Shashank	CA	IAC-17.A3.2B.10
Govindaraj, Shashank	CA	IAC-17.A3.2C.2
Govindaraj, Shashank	CA	IAC-17.C2.9.13
Goyal, Tushar	A	IAC-17.B4.9-GTS.5.8
Grabi, Florian	CA	IAC-17.E1.3.12
Grabi, Florian	CA	IAC-17.B4.3.6
Grabi, Florian	CA	IAC-17.B4.3.11
Gradini, Raffaele	A	IAC-17.D1.1.5
Gradwell, David	CA	IAC-17.A1.2.14
Grafodatskiy, Oleg	CA	IAC-17.A3.1.11
Gramiccia, Luciano	CA	IAC-17.D2.6.2
Grande, Jøran	CA	IAC-17.E1.3.7
Grande, Jøran	A	IAC-17.E1.4.8
Grande, Melanie	CA	IAC-17.A5.2.9
Grande, Melanie	CA	IAC-17.A5.1.8
Granena, David	CA	IAC-17.A3.4A.8
Granena, David	CA	IAC-17.A3.4A.9
Granero, Ignacio	A	IAC-17.D1.4B.9
Gransden, Derek	A	IAC-17.C2.3.7
Grant, Alex	CA	IAC-17.B2.4.3
Grassi, Gilberto	A	IAC-17.E2.3-GTS.4.6
Grassi, Gilberto	CA	IAC-17.A2.3.5
Grau, Sebastian	A	IAC-17.C1.2.10
Grau, Sebastian	A	IAC-17.B4.6B.6
Gray, Charles	CA	IAC-17.B3.4-B6.5.2
Graziani, Filippo	A	IAC-17.C1.5.1
Graziani, Filippo	CA	IAC-17.C1.7.2
Graziani, Filippo	CA	IAC-17.C1.9.10
Graziano, Mariella	CA	IAC-17.A3.4B.10
Greatorex, Scott	CA	IAC-17.D2.2.7
Grebenshikov, Aleksandr	CA	IAC-17.B3.IP.11
Grebenstein, Markus	CA	IAC-17.A3.4B.5
Greco, Cristian	A	IAC-17.C1.6.1
Green, Jacklyn	CA	IAC-17.D1.4B.5
Green, James	A	IAC-17.A4.1.7
Green, James L.	CA	IAC-17.E4.1.3
Greene, Ben	A	IAC-17.A6.IP.44
Greiner, Tobias	CA	IAC-17.B4.3.13
Greiner, Tobias	CA	IAC-17.B6.2.2
Gresham, Kimberlee	A	IAC-17.E1.2.8
Grewal, Simranjit	A	IAC-17.C2.8.2
Gribovskaya, Illiada	CA	IAC-17.A1.IP.28
Grieger, Björn	CA	IAC-17.A3.4B.3
Grieve, James	A	IAC-17.D5.4.4
Griffin, Douglas	A	IAC-17.B4.2.6
Griffin, Douglas	CA	IAC-17.A7.2.2
Griffin, Douglas	A	IAC-17.B2.IP.14
Griffin, Douglas	CA	IAC-17.D5.4.4
Griffin, Douglas	CA	IAC-17.B2.7.2
Griffin, Robert	CA	IAC-17.B1.5.12
Grigorieva, Olga	CA	IAC-17.A1.8.3
Grigorjev, Konstantin	CA	IAC-17.B3.4-B6.5.2
Grillmair, Carl J.	CA	IAC-17.A6.1.7
Grimard, Max	A	IAC-17.E3.2.1
Grimm, Christian	CA	IAC-17.A3.4A.8
Grimm, Christian	CA	IAC-17.A3.4B.3
Grimm, Jonathan	A	IAC-17.E4.1.4
Grimm, Jonathan	A	IAC-17.D2.4.11
Grimm, Jonathan	CA	IAC-17.A1.IP.10
Grishin, Alexey	CA	IAC-17.A1.2.7
Grishko, Dmitriy	A	IAC-17.A6.5.8
Grishko, Dmitriy	A	IAC-17.C1.IP.30
Grixa, Iris	CA	IAC-17.A3.IP.31
Groemer, Gernot	CA	IAC-17.A3.3B.14
Groen, Pim	CA	IAC-17.B4.6B.5
Groenewald, Ben	A	IAC-17.E1.4.11
Gromyko, Antonina	CA	IAC-17.E1.IP.26
Grosse, Doris	A	IAC-17.A6.6.3
Grosse, Jens	A	IAC-17.A2.3.2
Grosse, Jens	CA	IAC-17.A2.5.3
Grosse Besselmann, Marvin	A	IAC-17.D1.6.10
Grossi, Armando	CA	IAC-17.B4.2.7
Grossi, Armando	CA	IAC-17.B4.1.12
Grott, Matthias	CA	IAC-17.A3.4A.8
Gruber, Sophie	CA	IAC-17.B6.2.12
Grulich, Maria	CA	IAC-17.A5.1.8
Grundmann, Jan Thimo	CA	IAC-17.A3.4A.8
Grundmann, Jan Thimo	CA	IAC-17.A3.4A.9
Grundmann, Jan Thimo	CA	IAC-17.A3.4B.3
Gruntman, Mike	CA	IAC-17.D4.4.2
Grunwald, Kira	CA	IAC-17.E1.3.12
Grushevskii, Alexey	A	IAC-17.C1.7.7
Grygorczuk, Jerzy	CA	IAC-17.A3.4B.3
Gryniewski, Lawrence	A	IAC-17.D1.6.5
Grys, Szymon	CA	IAC-17.B3.9-GTS.2.9
Grzesiak, Kacper	CA	IAC-17.E6.1.1
Grzesik, Benjamin	A	IAC-17.B1.IP.3
Grzesik, Benjamin	CA	IAC-17.E2.4.6
Gu, Liangxian	CA	IAC-17.D2.4.7
Gu, Liangxian	CA	IAC-17.D1.IP.19
Gu, Yingsong	CA	IAC-17.C2.5.2
Guan, Chengqi	CA	IAC-17.D2.IP.14
Guan, Chengqi	CA	IAC-17.B3.7.7
Guan, Chunlei	CA	IAC-17.E4.3B.4
Guangshang, Zeng	CA	IAC-17.D2.5.10
Guariniello, Cesare	CA	IAC-17.A5.IP.11
Guarneros Luna, Ali	A	IAC-17.B4.9-GTS.5.10
Guarneros Luna, Ali	A	IAC-17.B4.6B.4
Guazzora, Andrea	CA	IAC-17.B1.3.7
Guerman, Anna	CA	IAC-17.D4.5.15
Guevara Contreras, Edgar	CA	IAC-17.B1.IP.16
Guglieri, Giorgio	CA	IAC-17.C1.5.3
Guglieri, Giorgio	CA	IAC-17.A5.IP.4
Gugliermetti, Franco	CA	IAC-17.C2.7.6
Gui, Yewei	CA	IAC-17.A2.2.2
Guidotti, Giuseppe	CA	IAC-17.D2.6.3
Guidotti, Pierre-Yves	CA	IAC-17.A2.1.1
Guiso, Gaia	CA	IAC-17.A6.8.4
Gujral, Akhil	CA	IAC-17.D2.6.11
Gulde, Max	CA	IAC-17.A6.3.7
Gulde, Max	A	IAC-17.B4.6B.2
Gulde, Stephan	CA	IAC-17.B1.2.3
Gulliver, Brian	A	IAC-17.D2.9-D6.2.2
Gullotta, William	CA	IAC-17.E2.3-GTS.4.5
Gullotta, William	CA	IAC-17.A5.2.6
Gullotta, William	CA	IAC-17.A5.1.12
Gullotta, William	CA	IAC-17.D4.3.11
Gullotta, William	A	IAC-17.A3.2C.11
Gunga, Hanns-Christian	A	IAC-17.A1.2.16
Guo, Feng	CA	IAC-17.C2.7.3
Guo, Jian	CA	IAC-17.A6.5.6
Guo, Jian	CA	IAC-17.B4.6A.4
Guo, Jian	CA	IAC-17.B4.6A.9
Guo, Jian	CA	IAC-17.D2.IP.14
Guo, Jian	CA	IAC-17.B4.6B.5
Guo, Jian	A	IAC-17.B3.7.7
Guo, Jian	CA	IAC-17.E2.4.5
Guo, Jianming	CA	IAC-17.B4.7.3
Guo, Ming	CA	IAC-17.D1.6.11
Guo, Rui	CA	IAC-17.B2.IP.12
Guo, Rui	CA	IAC-17.B2.IP.22
Guo, Rui	CA	IAC-17.B2.IP.23
Guo, Yanning	A	IAC-17.C1.5.10
Guo, Yaohua	A	IAC-17.B4.7.7
Guo, Yimeng	A	IAC-17.B2.IP.7
Guo, Yuanyuan	CA	IAC-17.E1.IP.34
Guowei, YAO	A	IAC-17.B2.7.12
Gupta, Neeraj	CA	IAC-17.D2.4.5
Gurgel Veras, Carlos Alberto	CA	IAC-17.C4.IP.48
Gurnee, Reid	CA	IAC-17.A3.IP.39
Gurreonero Robinson, Diego	CA	IAC-17.B1.IP.16
Gurumurthy, Yashaswi	CA	IAC-17.A6.4.4
Gusev, Vladimir	CA	IAC-17.C4.1.9
Gushin, Vadim	CA	IAC-17.A1.1.1
Gushin, Vadim	CA	IAC-17.A1.1.2
Gushin, Vadim	CA	IAC-17.A1.1.3
Gut, Zbigniew	CA	IAC-17.A2.5.2
Gut, Zbigniew	CA	IAC-17.C4.10.9
Guven, Ugur	CA	IAC-17.D4.1.4
Guven, Ugur	CA	IAC-17.D4.1.11
Guven, Ugur	A	IAC-17.B3.2.8
Guven, Ugur	CA	IAC-17.A3.IP.28
Guven, Ugur	CA	IAC-17.D2.IP.20
Guven, Ugur	A	IAC-17.E1.IP.15
Guven, Ugur	A	IAC-17.C4.7-C3.5.2
Guven, Ugur	A	IAC-17.D4.4.7
Guzman, Felipe	CA	IAC-17.C2.IP.14
Guzman Gomez, Camilo	A	IAC-17.E6.3.12
Guzman Gomez, Camilo	A	IAC-17.E5.5.8
Gärtner, Thomas	CA	IAC-17.B4.6A.12
Göktoğan, Ali Haydar	CA	IAC-17.E1.IP.39
Gülhan, Ali	CA	IAC-17.C2.IP.28
Gürlebeck, Norman	CA	IAC-17.A2.1.2

H

Name	Role	Paper
Ha, Lily	CA	IAC-17.E1.5.3
Habash Krause, Linda	CA	IAC-17.B4.2.4
Haberl, Stefan	CA	IAC-17.B6.2.7
Haberl, Stefan	CA	IAC-17.D1.6.7
Habu, Hiroto	CA	IAC-17.D2.7.6
Hackmann, Eva	CA	IAC-17.A2.1.8
Hadaegh, Fred	CA	IAC-17.C1.5.2
HADDAJI, Alissa	CA	IAC-17.A1.6.2
Hadji Hossein, Shariar	CA	IAC-17.A6.IP.10
Haemmerli, Bastien	CA	IAC-17.D2.7.3
Haemmerli, Bastien	CA	IAC-17.D2.7.5
Haessler, Stefan	CA	IAC-17.D2.1.2
Hagihara, Toshishige	CA	IAC-17.E1.IP.31
Hahn, Inseob	CA	IAC-17.A2.4.2
Hahne, Devin	CA	IAC-17.B2.6.5
Haigh, Sarah	CA	IAC-17.D1.1.2
Haigh, Sarah	CA	IAC-17.C4.6.5
Haigneré, Claudie	CA	IAC-17.A3.1.2
Haigneré, Claudie	CA	IAC-17.D3.1.7
Hajer, Jan	CA	IAC-17.A1.3.8
Hakamada, Takeshi	CA	IAC-17.D2.8-A5.4.9
Hakim, Patria Rachman	A	IAC-17.B1.IP.10
Hakim, Patria Rachman	CA	IAC-17.B6.IP.4
Haley, David	A	IAC-17.B2.4.3
Hall, Alexander	CA	IAC-17.A6.6.4
Halle, Winfried	A	IAC-17.B1.1.3
Halle, Winfried	A	IAC-17.B4.4.1
Hamann, Ines	CA	IAC-17.C2.IP.14
Hamasaki, Takashi	CA	IAC-17.D2.2.3
Hamazaki, Takashi	A	IAC-17.B3.1.3
Hamid, Saad	CA	IAC-17.D5.2.12
Hammond, Jennifer	CA	IAC-17.B3.3.10
Hampf, Daniel	CA	IAC-17.E2.2.9
Hampf, Daniel	CA	IAC-17.A6.IP.5
Hampf, Daniel	CA	IAC-17.A6.IP.7
Han, Bin	CA	IAC-17.C2.7.13
Han, Fei	CA	IAC-17.B1.2.10
Han, Fei	A	IAC-17.A6.IP.18
Han, Jinpeng	A	IAC-17.A5.IP.14
Han, Jinpeng	A	IAC-17.C3.IP.3
HAN, PEI	A	IAC-17.D3.4.9
Hanada, Toshiya	CA	IAC-17.A6.9.6
Hanada, Toshiya	CA	IAC-17.A6.IP.28
Hance, Ian William	CA	IAC-17.E5.3.2
Hanel, Jeff	CA	IAC-17.A3.IP.39
HANG, LIJIE	CA	IAC-17.D5.1.4
Hangai, Masatake	CA	IAC-17.C3.2.9
Hannigan, Allison Rae	A	IAC-17.A2.IP.3
Hannigan, Allison Rae	A	IAC-17.E1.9.11
Hanson, Andrea	CA	IAC-17.D1.4B.1
Hao, Hongwei	CA	IAC-17.A1.6.7
Hao, Hongwei	CA	IAC-17.A1.IP.5
Hao, Hongwei	CA	IAC-17.A1.IP.23
Hao, Huang	CA	IAC-17.B4.6A.2
Hao, Ping	CA	IAC-17.C2.6.3
Hao, Zhu	CA	IAC-17.C4.2.11
Harasymczuk, Mateusz	CA	IAC-17.E1.7.4
Harasymczuk, Mateusz	CA	IAC-17.A3.IP.5
Harasymczuk, Mateusz	A	IAC-17.B3.IP.13
Harasymczuk, Mateusz	CA	IAC-17.B3.IP.14
Harasymczuk, Mateusz	CA	IAC-17.A3.2C.7
Harder, Jan	A	IAC-17.B6.2.7
Harder, Jan	A	IAC-17.D1.6.7
Hardi, Justin	CA	IAC-17.C4.5.3
Hardi, Justin	A	IAC-17.C4.10.12
Harding, Alexander	CA	IAC-17.D4.2.3
Harding, Alexander	CA	IAC-17.A3.IP.32
Hardy, Dominic	CA	IAC-17.A6.8.5
Hardy, Emilie	CA	IAC-17.A2.1.7
Hardy, Peter	CA	IAC-17.E1.8.4
Hargrove, Samuel	A	IAC-17.A5.2.9
Hargrove, Samuel	CA	IAC-17.B3.IP.12
Harima, Ken	CA	IAC-17.B2.5.6
Harmansa, Nicholas	A	IAC-17.C4.10.1
Harmoul, Abdalla	A	IAC-17.B1.IP.32
Harnett, Erika	CA	IAC-17.E1.IP.36
Harnett, Erika	CA	IAC-17.E1.1.4
Harr, Jon	CA	IAC-17.B2.7.4
Harrington, Andrea	A	IAC-17.E1.4.5
Harrington, Andrea	A	IAC-17.E3.2.7

Harrington, Andrea	A	IAC-17.E4.3B.3
Harrington, Elise	A	IAC-17.B1.IP.11
Harris, Andrew	CA	IAC-17.C1.IP.22
Harrison, Rene	CA	IAC-17.A1.IP.33
Harrison, Samuel	CA	IAC-17.B5.2.7
Hartogh, Paul	CA	IAC-17.A7.2.4
Hartstein, Heinz	CA	IAC-17.A1.7.6
Hartwich, Ruediger	CA	IAC-17.B3.7.2
Hasbi, Wahyudi	CA	IAC-17.B6.IP.4
Hasbrook, Pete	A	IAC-17.B3.3.1
Haseba, Shuichi	CA	IAC-17.A6.3.9
Hasegawa, Hiroshi	CA	IAC-17.C4.8-B4.5A.10
Hasenohr, Thomas	A	IAC-17.A6.IP.5
Hashimoto, Junichi	CA	IAC-17.C4.2.2
Hashimoto, Tatsuaki	A	IAC-17.A3.2A.10
Hashimoto, Tatsuaki	CA	IAC-17.A3.2B.4
Hashimoto, Tomoyuki	CA	IAC-17.C4.1.12
Hasic, Dalmir	CA	IAC-17.E2.3-GTS.4.4
Haskins, Christopher	CA	IAC-17.B2.6.5
Haslehurst, Andrew	CA	IAC-17.B4.4.5
Hata, Hidehiro	CA	IAC-17.A6.IP.25
Hatton, Jason	CA	IAC-17.B3.3.1
Hattori, Akito	A	IAC-17.D2.2.3
Hattori, Akito	CA	IAC-17.E7.4.4
Haugli, Hans Christian	CA	IAC-17.B2.7.4
Hauschild, Swantje	CA	IAC-17.A1.8.9
Hauslage, Jens	CA	IAC-17.A1.IP.34
Hauslage, Jens	CA	IAC-17.A2.7.7
Hay, Andrew	CA	IAC-17.A5.1.11
Hazane, Philippe	A	IAC-17.A1.IP.15
HE, Changyong	CA	IAC-17.A6.9.1
He, Jian	CA	IAC-17.A2.7.4
He, Jinpeng	CA	IAC-17.A1.5.9
He, Jinpeng	A	IAC-17.A2.7.3
He, Jinyang	CA	IAC-17.E1.3.11
He, Liang	CA	IAC-17.B3.7.9
He, Weiqiang	CA	IAC-17.C2.IP.26
He, Weiqiang	CA	IAC-17.D5.3.7
He, Yu	CA	IAC-17.C2.7.3
He, Zhanzhuang	CA	IAC-17.D1.IP.7
Hecht, Matthias	CA	IAC-17.A3.4B.5
Heege, Thomas	CA	IAC-17.B1.2.6
Heffels, Alexandra	CA	IAC-17.A3.IP.31
Heffels, Alexandra	CA	IAC-17.A3.2C.3
Hegels, Johannes	CA	IAC-17.D2.5.11
Heiligers, Jeannette	CA	IAC-17.C1.6.6
Heine, Frank	CA	IAC-17.B2.4.2
Heinicke, Christiane	A	IAC-17.A1.1.7
Heinicke, Christiane	A	IAC-17.D3.1.5
Heinicke, Christiane	CA	IAC-17.B3.5.2
Heinicke, Christiane	A	IAC-17.B3.5.6
Heinicke, Christiane	CA	IAC-17.A3.IP.5
Heinicke, Christiane	CA	IAC-17.B3.IP.14
Heinicke, Christiane	CA	IAC-17.A3.2C.7
Heinz, Nicolas	CA	IAC-17.E1.3.12
Heißerer, Barbara	CA	IAC-17.D1.1.2
Heißerer, Barbara	CA	IAC-17.C4.6.5
Held, Jason	A	IAC-17.B6.1.1
Helisch, Harald	CA	IAC-17.A1.7.6
Hellbourg, Greg	CA	IAC-17.A4.1.3
Hellerer, Matthias	CA	IAC-17.A3.IP.31
Hellmig, Ortwin	CA	IAC-17.A2.3.2
Hemmersbach, Ruth	CA	IAC-17.A2.7.7
Hempsell, Mark	A	IAC-17.A6.6.10
Hendrich, Christian	A	IAC-17.C4.1.8
Hendrick, Patrick	CA	IAC-17.B1.IP.20
Henn, Norbert	CA	IAC-17.A1.7.6
Henriksen, Marie	CA	IAC-17.E2.3-GTS.4.1
Henriksson, Kenneth	CA	IAC-17.D2.6.2
Henríquez Camacho, Gustavo	A	IAC-17.B1.IP.16
Hercik, David	CA	IAC-17.A3.4A.8
Herdrich, Georg	CA	IAC-17.B4.3.6
Herdrich, Georg	CA	IAC-17.B4.3.11
Herdrich, Georg	CA	IAC-17.C2.4.2
Herdrich, Georg	A	IAC-17.C2.4.10
Herdrich, Georg	CA	IAC-17.A6.IP.4
Herdrich, Georg	CA	IAC-17.C2.IP.6
Herdrich, Georg	CA	IAC-17.D2.IP.13
Herdrich, Georg	CA	IAC-17.C4.10.1
Herdrich, Georg H.	CA	IAC-17.D1.1.2
Herdrich, Georg H.	CA	IAC-17.C4.6.5
Herique, Alain	CA	IAC-17.A3.4B.3
Herman, Daniel	A	IAC-17.C4.4.3
Hermoso, Jose Maria	A	IAC-17.A6.7.4
Hernandez, Marcos	CA	IAC-17.B4.1.11
Hernandez Lopez, Aleix	CA	IAC-17.D2.2.7
Hernández Pérez, Brenda Patricia	CA	IAC-17.D4.2.8
Herp, Julien	CA	IAC-17.C4.1.10
Herrmann, Nicole	CA	IAC-17.B3.3.9
Herrmann, Nicole	CA	IAC-17.B4.8.3
Herrmann, Sven	CA	IAC-17.A2.1.6
Hertzfeld, Henry	A	IAC-17.E7.5.11
Hervieu, Calum	CA	IAC-17.E2.3-GTS.4.5
Hervieu, Calum	CA	IAC-17.A5.2.6
Hervieu, Calum	A	IAC-17.A5.1.12
Hervieu, Calum	CA	IAC-17.D4.3.11
Hervieu, Calum	CA	IAC-17.A3.2C.11
Heshani, Uthpala	CA	IAC-17.A5.IP.8
Hess, Sébastien	CA	IAC-17.D5.3.5
Hesseldahl, Katrine	A	IAC-17.E5.1.9
Hetscher, Matthias	CA	IAC-17.B4.4.1
Hettrich, Sebastian	CA	IAC-17.A5.2.9
Hettrich, Sebastian	A	IAC-17.D4.2.8
Hettrich, Sebastian	A	IAC-17.B3.5.2
Hettrich, Sebastian	CA	IAC-17.A3.2C.7
Hettrich, Sebastian	CA	IAC-17.C4.7-C3.5.4
Hiermaier, Stefan	CA	IAC-17.A6.3.7
Higashide, Masumi	CA	IAC-17.A6.1.10
Higashide, Masumi	A	IAC-17.A6.IP.32
Higgins, Andrew	A	IAC-17.A2.3.3
Higgins, Andrew	A	IAC-17.D4.4.8
Higgins, Niamh	CA	IAC-17.E6.1.1
Higuchi, Takehiro	CA	IAC-17.C1.IP.26
Higuera Gonzalez, Rogelio Manuel	CA	IAC-17.A1.IP.20
Hilchenbach, Martin	A	IAC-17.A3.4A.5
Hild, Franziska	CA	IAC-17.E1.3.12
Hileman, Kyle	CA	IAC-17.E1.1.8
Hill, Stuart	CA	IAC-17.A3.4B.5
Hinchman, Robyn	CA	IAC-17.C4.8-B4.5A.8
Hinze, Andreas	A	IAC-17.A6.IP.44
Hippert Ferrer, Alexandre	CA	IAC-17.E2.3-GTS.4.1
Hirai, Takayuki	CA	IAC-17.A6.1.10
Hirai, Takayuki	CA	IAC-17.A6.3.9
Hirai, Yasuhito	CA	IAC-17.A1.1.8
Hirai, Yasuhito	CA	IAC-17.A1.IP.18
Ho, David Lit Xian	CA	IAC-17.E3.1.10
Ho, Teck-Seng	CA	IAC-17.C4.8-B4.5A.2
Ho, Tra Mi	CA	IAC-17.A3.4A.8
Ho, Tra Mi	CA	IAC-17.A3.4A.9
Ho, Tra-Mi	CA	IAC-17.A3.4B.3
Hoban, Libby	CA	IAC-17.B4.7.12
Hochberger, Nico	CA	IAC-17.C1.3.4
Hochberger, Nico	CA	IAC-17.A3.5.9
Hodam, Henryk	CA	IAC-17.E1.2.11
Hodgkins, Ken	A	IAC-17.E7.6-E3.5.3
Hoegy, Walter	CA	IAC-17.B4.2.4
Hoehn, Alex	CA	IAC-17.B2.4.5
Hofer, Richard	CA	IAC-17.C4.4.3
Hoffman, Stephen	CA	IAC-17.A5.2.1
Hoffman, Tom	CA	IAC-17.A3.3A.1
Hoffmann, Jörn	CA	IAC-17.B1.6.3
Hoffmann, Lukas	CA	IAC-17.D3.2.8
Hoffmann, Lukas	A	IAC-17.C3.3.7
Hofmann, Douglas	CA	IAC-17.D1.4B.5
Hofmann, Mahulena	A	IAC-17.E7.3.3
Hofmann, Peter	A	IAC-17.A2.6.3
Hogan, Robert	CA	IAC-17.E1.6.13
Hogan, Robert	A	IAC-17.B6.IP.3
Hogle, Molly	CA	IAC-17.B3.6-A5.3.1
Hoheneder, Waltraut	CA	IAC-17.A3.2C.2

Hoheneder, Waltraut	CA	IAC-17.C2.9.13
Hokamoto, Shinji	CA	IAC-17.A3.3B.13
Hokamoto, Shinji	CA	IAC-17.C1.5.4
Hokamoto, Shinji	CA	IAC-17.C1.IP.7
Hokamoto, Shinji	CA	IAC-17.C1.8.6
Hollow, Robert	A	IAC-17.E1.IP.24
Holme Qvist, Jørgen	CA	IAC-17.E2.3-GTS.4.7
Holmes, Warwick	CA	IAC-17.B1.2.8
Holmes, Warwick	CA	IAC-17.E1.2.13
Holsclaw, Greg	CA	IAC-17.A3.3B.4
Holsclaw, Greg	CA	IAC-17.A3.IP.11
Holtmann, Peter	CA	IAC-17.C4.4.8
Homma, Yukihiro	CA	IAC-17.C3.2.9
Hong, Teresa	CA	IAC-17.A1.IP.7
Hong, Yanji	CA	IAC-17.C4.9.7
Honjo, Taisei	CA	IAC-17.C2.9.12
HOOK, Sam	CA	IAC-17.E2.3-GTS.4.5
HOOK, Sam	CA	IAC-17.A5.2.6
HOOK, Sam	CA	IAC-17.A5.1.12
HOOK, Sam	CA	IAC-17.D4.3.11
HOOK, Sam	CA	IAC-17.A3.2C.11
Horack, John M.	CA	IAC-17.E4.1.4
Horack, John M.	CA	IAC-17.D2.4.11
Horack, John M.	CA	IAC-17.A1.IP.10
Horack, John M.	CA	IAC-17.B1.IP.28
Horack, John M.	CA	IAC-17.D2.IP.17
Horack, John M.	CA	IAC-17.B1.5.11
Horack, John M.	CA	IAC-17.B1.5.12
Horch, Clemens	A	IAC-17.B4.6A.3
Horch, Clemens	CA	IAC-17.B4.6A.5
Hori, Atsushi	CA	IAC-17.C1.IP.25
Hori, Daisuke	CA	IAC-17.A1.1.8
Hori, Daisuke	CA	IAC-17.A1.IP.18
Hori, Keiichi	CA	IAC-17.C4.2.2
Hori, Keiichi	CA	IAC-17.C4.8-B4.5A.10
Horikawa, Junichi	CA	IAC-17.D2.2.4
Horma, Panupat	CA	IAC-17.B1.1.10
Hornig, Andreas	A	IAC-17.B4.3.11
Hornig, Andreas	A	IAC-17.B2.5.8
Horsewood, Jerry	CA	IAC-17.A5.2.4
Horton, Anthony	A	IAC-17.A7.2.2
Hoschke, Klaus	CA	IAC-17.C2.1.10
Hoschke, Klaus	CA	IAC-17.B4.6B.2
Hoshino, Takeshi	A	IAC-17.A3.2B.4
Hosseini, Shahrzad	A	IAC-17.B3.6-A5.3.3
Hoste, Jimmy-John	A	IAC-17.C4.9.17
Hou, Xiangyang	A	IAC-17.C2.6.3
Hou, Xinbin	A	IAC-17.C3.1.7
Houts, Michael	A	IAC-17.C4.7-C3.5.3
Hovland, Scott	CA	IAC-17.B3.7.2
Howell, Kathleen	CA	IAC-17.C1.7.3
Hristov, Stanislav	CA	IAC-17.B1.3.3
Hu, Jiaxin	CA	IAC-17.B4.6B.12
HU, Liang	CA	IAC-17.A2.3.12
Hu, Min	A	IAC-17.B2.8-GTS.3.6
Hu, Quan	CA	IAC-17.C1.IP.6
Hu, Ruiguang	A	IAC-17.B1.IP.6
HU, Wenrui	CA	IAC-17.A2.3.12
Hu, Zhenxin	CA	IAC-17.E6.1.1
Hu, Zhiqiang	CA	IAC-17.D1.1.8
Huang, Bing	A	IAC-17.A1.6.7
Huang, Bing	A	IAC-17.A1.IP.5
Huang, Bing	CA	IAC-17.A1.IP.23
Huang, Cheng	CA	IAC-17.C4.IP.27
Huang, Jianguo	A	IAC-17.C4.6.4
Huang, Jie	CA	IAC-17.A6.3.4
Huang, Jie	CA	IAC-17.A6.IP.40
Huang, Jin	A	IAC-17.C3.1.5
Huang, Jin	CA	IAC-17.D1.3.9
Huang, Panfeng	CA	IAC-17.C1.5.9
Huang, Shizhang	CA	IAC-17.C4.IP.3
Huang, Shoupeng	CA	IAC-17.A1.IP.12
Huang, Simeng	A	IAC-17.C1.IP.31
Huang, Xiyuan	A	IAC-17.D2.IP.5
Huang, Xue-gang	CA	IAC-17.A6.IP.40
Huang, Ying	CA	IAC-17.A1.6.7
Huang, Ying	CA	IAC-17.A1.IP.5
Huang, Yonghui	CA	IAC-17.B2.6.10
Huang, Zhen	A	IAC-17.B3.4-B6.5.8
Huber, Felix	CA	IAC-17.B2.4.2
Hubert, Guillaume	A	IAC-17.D5.3.5
Huerta Hernandez, Mitzi Angelica	CA	IAC-17.A1.IP.20
Huerta Ramírez, Sofía Andrea	A	IAC-17.E5.2.5
Huerta Ramírez, Sofía Andrea	A	IAC-17.E5.IP.16
Hufenbach, Bernhard	CA	IAC-17.B3.1.4
Hufenbach, Bernhard	CA	IAC-17.E3.2.3
Hufenbach, Bernhard	CA	IAC-17.A5.1.1
Hufenbach, Bernhard	CA	IAC-17.D2.4.5
Hughes, Steven	CA	IAC-17.D1.4B.2
Huh, Jeongmoo	CA	IAC-17.C4.IP.32
Hui, Junpeng	CA	IAC-17.D3.3.6
Hui, Xiangyang	CA	IAC-17.B4.6B.12
Hultquist, Carolynne	A	IAC-17.E5.4.3
Humagain, Sanjeeb	CA	IAC-17.E1.3.6
Humagain, Sanjeeb	CA	IAC-17.E1.5.8
Humbert, Guillaume	CA	IAC-17.C4.IP.1
Humbert, Leif	CA	IAC-17.A6.IP.5
Hung, Heng-Chuan	CA	IAC-17.C2.1.8
Hupfer, Jan	CA	IAC-17.A3.4B.6
Huq, Noor	A	IAC-17.A3.1.9
Huq, Noor	CA	IAC-17.C4.IP.31
Huq, Noor	CA	IAC-17.D3.3.11
Hurd, David	CA	IAC-17.E1.7.9
Hussein, Hatem Alaa	CA	IAC-17.B5.2.7
Hussein, Hesham	CA	IAC-17.A1.5.7
Hussein, Islam	CA	IAC-17.A6.9.4
Hussein, Islam	CA	IAC-17.A6.9.10
Hutchinson, Ian	CA	IAC-17.A3.3B.6
Hutter, Marco	CA	IAC-17.D3.3.5
Huyhn, Thomas	CA	IAC-17.A6.3.6
Huynh, Phuong-Anh	A	IAC-17.A2.1.7
Häming, Anna	CA	IAC-17.C2.1.5
Häseker, Janis	CA	IAC-17.D2.6.1
Höfner, Kai	A	IAC-17.D1.IP.6
Hölig, Frank	CA	IAC-17.D2.5.11
Hölzel, Matthew	CA	IAC-17.C1.2.7
Hölzel, Matthew	CA	IAC-17.C1.3.11
Hühne, Christian	CA	IAC-17.C2.2.3
Hühne, Christian	CA	IAC-17.C2.7.9

I

Name	Role	Paper
Iacolina, Noemi	CA	IAC-17.B2.8-GTS.3.4
Iacomino, Clelia	CA	IAC-17.E3.3.2
Iakubivskyi, Iaroslav	A	IAC-17.C2.1.6
Ianelli, Samantha	CA	IAC-17.D2.IP.22
Ianelli, Samantha	CA	IAC-17.C2.8.4
Iannetti, Alessandra	CA	IAC-17.C4.1.2
Ibitolu, Henry	A	IAC-17.E2.1.2
Ichikawa, Haruhisa	CA	IAC-17.C2.1.3
Igarashi, Satoru	CA	IAC-17.E1.IP.31
Ikari, Satoshi	CA	IAC-17.D1.2.11
Ikeda, Hitoshi	CA	IAC-17.A3.3A.5
Ikenaga, Toshinori	CA	IAC-17.A3.2A.10
Ikenaga, Toshinori	CA	IAC-17.C1.5.6
Ikin, Kirby	A	IAC-17.E6.2.8
Ikin, Kirby	CA	IAC-17.E6.3.5
Ilbis, Erik	CA	IAC-17.C2.1.6
Ilin, Anatoly	CA	IAC-17.B1.6.6
Imada, Takane	CA	IAC-17.A3.3A.5
Imam, Rayan	A	IAC-17.B6.IP.1
Imhof, Anna Barbara	A	IAC-17.E5.3.9
Imhof, Anna Barbara	A	IAC-17.B3.6-A5.3.1
Imhof, Anna Barbara	A	IAC-17.C2.9.13
Imhof, Barbara	CA	IAC-17.B3.5.4
Imhof, Barbara	CA	IAC-17.A3.2C.2
Imoto, Takayuki	CA	IAC-17.D2.1.6

INAGAWA, Takahiro	CA	IAC-17.D2.7.10
Inatani, Yoshifumi	CA	IAC-17.D2.5.4
INDENNIDATE, DANIELA	CA	IAC-17.E3.3.5
Indermuehle, Balthasar	A	IAC-17.B1.IP.19
Infantolino, Gabriele Martino	CA	IAC-17.A3.4B.9
Ingley, Richard	CA	IAC-17.A3.3B.6
Inguimbert, Christophe	CA	IAC-17.D5.3.5
Innocenti, Luisa	CA	IAC-17.A6.6.8
Inoue, Fumihiro	A	IAC-17.D4.3.5
Inoue, Hiroka	CA	IAC-17.A3.2B.4
Inoue, Natsuhiko	CA	IAC-17.A1.1.8
Intarawichian, Soraaut	CA	IAC-17.B2.8-GTS.3.3
Ioda, Sergey	CA	IAC-17.A3.IP.32
Iron, David	A	IAC-17.E6.1.8
Irvine, Stuart	CA	IAC-17.B4.6B.3
Isaacson, Howard	CA	IAC-17.A4.1.3
Isachsen, Ulrich Johan	CA	IAC-17.E2.3-GTS.4.7
Ishida, Hatsumi	CA	IAC-17.D4.3.3
Ishida, Hirokazu	A	IAC-17.C2.5.8
Ishiguro, Yuki	CA	IAC-17.C2.2.11
Ishihara, Masashi	CA	IAC-17.B4.2.1
Ishii, Nobuaki	CA	IAC-17.C2.7.5
Ishikawa, Yoji	A	IAC-17.D4.3.2
Ishikawa, Yoji	CA	IAC-17.D4.3.6
Ishimoto, Shinji	CA	IAC-17.D2.4.6
Ishimura, Kosei	CA	IAC-17.C2.2.5
Islam, Tanvirul	CA	IAC-17.B2.IP.14
Islam, Tanvirul	CA	IAC-17.D5.4.4
Islam, Tanvirul	CA	IAC-17.B2.7.2
Ismail, Norilmi	CA	IAC-17.B1.IP.26
Ismail, Norilmi	A	IAC-17.E1.2.5
Ismail, Norilmi Amilia	CA	IAC-17.E2.2.5
Israel, David	CA	IAC-17.B2.1.1
Itaya, Yuki	A	IAC-17.A6.IP.28
Ito, Miki	A	IAC-17.A6.10-B4.10.7
Ito, Takahiro	CA	IAC-17.D2.7.6
Ito, Takahiro	A	IAC-17.C1.IP.26
Ito, Takashi	CA	IAC-17.D2.4.6
Ito, Takashi	CA	IAC-17.D2.5.4
Ivakhnenko, Sergey	CA	IAC-17.C4.4.14
Ivanov, Andrey	CA	IAC-17.D1.1.5
Ivanov, Anton	CA	IAC-17.E2.3-GTS.4.4
Ivanov, Anton	CA	IAC-17.A5.2.10
Ivanov, Anton	CA	IAC-17.E5.1.4
Ivanov, Anton	CA	IAC-17.B5.1.1
Ivanov, Danil	A	IAC-17.B4.7.10
Iwase, Satoshi	A	IAC-17.A1.3.1
Iwata, Minoru	CA	IAC-17.D5.3.2
Iyer, Dharini	A	IAC-17.A1.3.11
Iyomasa, Kazuhiro	CA	IAC-17.C3.2.9
Izon, Stephen	CA	IAC-17.D5.1.3

J

Name	Role	Paper
J, Paul Murugan	A	IAC-17.C2.1.12
J, Paul Murugan	A	IAC-17.C2.4.8
Jackson, Ryan	A	IAC-17.A3.3B.5
Jackson, Shanessa	CA	IAC-17.E6.1.2
Jackson, Shanessa	CA	IAC-17.D1.3.1
Jacobs, Carla	CA	IAC-17.B3.3.3
Jacobs, Carla	CA	IAC-17.B6.3.9
Jaeckel, Klaus	CA	IAC-17.B2.7.3
Jaffe, Paul	A	IAC-17.C3.1.6
Jaffe, Paul	A	IAC-17.C3.2.8
JAFFER, Ghulam	A	IAC-17.B6.1.10
JAFFER, Ghulam	A	IAC-17.B4.3.7
JAFFER, Ghulam	CA	IAC-17.D5.2.12
JAFFER, Ghulam	A	IAC-17.B2.IP.10
JAFFER, Ghulam	CA	IAC-17.B5.1.6
Jagirani, Aisha	A	IAC-17.E3.1.12
Jagirani, Aisha	A	IAC-17.E1.IP.4
Jagtap, Adesh	CA	IAC-17.E2.4.4
Jah, Moriba	CA	IAC-17.A6.9.4
Jahn, Nikki	CA	IAC-17.B4.7.6
Jahnke, Stephan Siegfried	A	IAC-17.D3.2.7
Jahnke, Stephan Siegfried	CA	IAC-17.D1.4A.4
Jahnke, Stephan Siegfried	A	IAC-17.B3.IP.6
Jahnke, Stephan Siegfried	CA	IAC-17.A3.2C.3
Jahoda, Keith	CA	IAC-17.B4.2.1
Jaime, Andrea	CA	IAC-17.A3.2B.9
Jaime, Andrea	CA	IAC-17.A3.3B.1
Jaime, Andrea	CA	IAC-17.D2.4.5
Jaime, Andrea	CA	IAC-17.A2.6.8
Jain, Mridul	CA	IAC-17.D4.1.4
Jain, Mridul	CA	IAC-17.D4.1.11
Jain, Mridul	A	IAC-17.A3.IP.28
Jain, Mridul	CA	IAC-17.D2.IP.20
Jain, Payal	CA	IAC-17.A1.5.7
Jakhu, Ram S.	CA	IAC-17.E7.4.1
Jakubinek, Michael	CA	IAC-17.C2.8.12
Jalbert, Nicolas	CA	IAC-17.D4.2.3
Jan, Monica	CA	IAC-17.D2.7.1
Janardhanan Nair, Jayaprakash	CA	IAC-17.C2.1.12
Janches, Diego	CA	IAC-17.A3.2A.7
Jang, Hyun	CA	IAC-17.E5.5.9
Jankowitsch, Peter	A	IAC-17.E7.1.1
Jannette, Christopher	CA	IAC-17.D2.IP.18
Janoth, Juergen	CA	IAC-17.B1.2.4
Jansen, Edward	CA	IAC-17.D1.4B.9
Jansen-Sturgeon, Trent	A	IAC-17.A6.9.11
Jaramillo, Jaime	A	IAC-17.E1.IP.14
Jaumann, Ralf	CA	IAC-17.A3.4A.8
Jayamani, Krishnajith	A	IAC-17.C4.5.8
Jayaprakash, J	CA	IAC-17.C2.4.8
Jayaprakash, J	CA	IAC-17.C2.IP.34
JC, Pisharady	CA	IAC-17.C4.3.3
JC, Pisharady	CA	IAC-17.C4.5.4
Jedrzejewski, Mateusz	CA	IAC-17.B3.9-GTS.2.9
Jens, Elizabeth	A	IAC-17.A3.3B.8
Jens, Elizabeth	A	IAC-17.C4.8-B4.5A.8
Jeong, SangKwon	CA	IAC-17.C4.5.7
JERONIMO DE OLIVEIRA, ELCIO	CA	IAC-17.C2.2.1
JERONIMO DE OLIVEIRA, ELCIO	A	IAC-17.C2.3.8
JERONIMO DE OLIVEIRA, ELCIO	A	IAC-17.B4.5.13
Jeronimo de Oliveira, Élcio	CA	IAC-17.C2.5.9
Jetzschmann, Michael	A	IAC-17.B4.6A.12
Jha, Nandan	CA	IAC-17.A2.1.2
Ji, Feng	CA	IAC-17.C2.IP.43
Ji, Guohua	CA	IAC-17.A1.2.3
Jia, Dongyong	CA	IAC-17.C2.6.3
Jia, Mu	A	IAC-17.B2.4.7
Jia, Mu	A	IAC-17.B5.2.12
Jia, Yanmei	A	IAC-17.B2.8-GTS.3.7
Jiachen, Yang	CA	IAC-17.B1.4.2
Jiang, Fanghua	CA	IAC-17.C1.6.3
Jiang, Hai	CA	IAC-17.A6.7.8
Jiang, Hainan	A	IAC-17.C2.IP.43
JIANG, Huan	CA	IAC-17.A2.3.12
Jiang, Jun	CA	IAC-17.D1.1.8
Jiang, Jun	CA	IAC-17.A6.IP.13
Jiang, Lin	CA	IAC-17.A6.IP.40
Jianhua, Chen	CA	IAC-17.C4.IP.5
Jianhua, Chen	CA	IAC-17.C4.IP.15
Jianping, Yuan	CA	IAC-17.A2.4.7
Jianping, Yuan	CA	IAC-17.B6.IP.11
Jianping, Yuan	CA	IAC-17.C1.IP.16
JIAO, XUEJUN	A	IAC-17.A1.1.9
Jiawan, Ren	A	IAC-17.C4.9.2
JIN, Bingning	CA	IAC-17.C4.IP.35
Jin, Chendi	CA	IAC-17.C1.IP.3
Jin, Hao	A	IAC-17.A3.3B.11
Jin, He	CA	IAC-17.B1.2.10
Jin, Ping	CA	IAC-17.D5.1.6
Jin, Ping	A	IAC-17.C4.IP.33
Jin, Songzhi	CA	IAC-17.B1.IP.30
Jin, Tian	CA	IAC-17.B2.7.13
Jin, Yikang	CA	IAC-17.C2.IP.24
Jin, Yulin	CA	IAC-17.B1.IP.2
Jin, Yulin	CA	IAC-17.C2.IP.26
Jing, Guanghui	A	IAC-17.D2.5.10
Jing, Tao	CA	IAC-17.A1.5.1
Jing, Xiaolu	CA	IAC-17.A1.1.4
Jinglang, Feng	CA	IAC-17.C1.8.11
Jinglang, Feng	A	IAC-17.C1.8.12
JIngxuan, HE	CA	IAC-17.C2.IP.35
Jinxiu, Zhang	CA	IAC-17.A3.2A.11
Jinxiu, Zhang	CA	IAC-17.A6.IP.18
Jinxiu, Zhang	CA	IAC-17.B2.IP.11
Jinxiu, Zhang	CA	IAC-17.B4.7.4
Jo, Jung	CA	IAC-17.A6.IP.16
Joannes, Jeremie	A	IAC-17.E2.1.11
Jochum, Markus	CA	IAC-17.B1.2.4
Jodoin, André	CA	IAC-17.D1.6.5
Johann, Ulrich	CA	IAC-17.A2.1.2
Johanningmeier, Udo	CA	IAC-17.A1.IP.26
Johansson, Jonny	CA	IAC-17.E1.4.3
JOHN, OLUSOJI NESTER	CA	IAC-17.E3.1.6
JOHN, OLUSOJI NESTER	CA	IAC-17.E1.2.9
Johnson, Christopher	CA	IAC-17.E7.5.10
Johnson, Christopher	CA	IAC-17.E7.7-B3.8.1
Johnson, Les	CA	IAC-17.A7.2.6
Johnson, Les	A	IAC-17.C3.4.1
Johnson, Les	A	IAC-17.B4.8.5
Johnson, Les	A	IAC-17.D4.4.5
Johnson, Lindley	CA	IAC-17.B3.1.7
Johnson, Paul	CA	IAC-17.D1.4B.5
Johnson, Phyllis	A	IAC-17.A1.1.2
Johnson, Phyllis J.	CA	IAC-17.A1.1.1
Johnson, Phyllis J.	CA	IAC-17.A1.1.3
Johnson, Thomas	CA	IAC-17.B4.2.1
Johnston, Martin	A	IAC-17.A3.3A.7
Johra, Marwan	CA	IAC-17.D1.1.9
Jones, Adrian	CA	IAC-17.A3.2B.8
Jones, Andrew	A	IAC-17.D1.3.2
Jones, Andrew	CA	IAC-17.A3.3B.4
Jones, Andrew	CA	IAC-17.A3.IP.11
Jones, Andrew	CA	IAC-17.A3.IP.27
Jones, Andrew	CA	IAC-17.B3.6-A5.3.6
Jones, Andrew	A	IAC-17.C2.9.6
Jones, Andrew	A	IAC-17.D4.4.9
Jones, Andrew	CA	IAC-17.E1.2.4
Jones, Eriita	A	IAC-17.A1.6.4
Jones, Howard	CA	IAC-17.A3.2A.9
Jones, Morris	A	IAC-17.A4.2.1
Jones, Morris	A	IAC-17.A4.2.5
Jooste, Charl	CA	IAC-17.B4.4.11
Joosten, Kent	CA	IAC-17.A5.2.1
Josan, Poonampreet Kaur	CA	IAC-17.B3.IP.12
Jose Santiago , Perez	CA	IAC-17.C4.6.5
Joshi, Asawari	CA	IAC-17.E2.4.1
Joshi, Dnyanada	A	IAC-17.E2.4.1
Joshi, Jitendra	CA	IAC-17.D1.3.1
Joshi, Jitendra	CA	IAC-17.B4.8.3
Joumel, Pierre-Alexis	A	IAC-17.B1.2.4
Jubier, Xavier	CA	IAC-17.D3.IP.3
Juillerat, Robert	A	IAC-17.B3.4-B6.5.12
Jukola, Paivi	A	IAC-17.D3.2.3
Juli, ZHANG	A	IAC-17.B3.6-A5.3.4
Julien, Annaloro	CA	IAC-17.A6.2.10
Julián Moreno, Guillermo	CA	IAC-17.A6.6.5
Jun, Zhou	CA	IAC-17.E2.4.5
Jung, Eun Sang	A	IAC-17.D6.1.8
Jung, Philippe	A	IAC-17.E4.2.7
Jung, Wolfgang	CA	IAC-17.A2.5.3
Jung, Woosuk	CA	IAC-17.C4.10.6
Jungmann, Felix	CA	IAC-17.E1.3.12
Jungnell, Victor	CA	IAC-17.D1.1.2
Jungnell, Victor	CA	IAC-17.C4.6.5
Junk, Stefan	A	IAC-17.B4.7.2
Junyi, Zhang	CA	IAC-17.B3.6-A5.3.4
Juran, Cassandra M.	A	IAC-17.A1.IP.39
Jurg, Marten	CA	IAC-17.C4.1.13
Jurg, Marten	CA	IAC-17.E1.4.7
Jurg, Marten	CA	IAC-17.C4.IP.19
Juvekar, Gaurav	CA	IAC-17.B2.6.8
Juvekar, Gaurav	CA	IAC-17.B2.6.9
Juvekar, Gaurav	CA	IAC-17.E2.4.1
Juvekar, Gaurav	A	IAC-17.B2.7.7
Jäcklein, Martin	CA	IAC-17.C2.1.10
Jäger, Eric	CA	IAC-17.B6.IP.5
Jäger, Markus	A	IAC-17.C4.1.11
Jäger, Markus	A	IAC-17.B3.7.1

K

Name	Role	Paper
K, Alaguvelu	CA	IAC-17.C4.IP.49
K, KUMARESAN	CA	IAC-17.C4.IP.49
K, Mohanavelu	A	IAC-17.B2.2.3
K, Narayanan	CA	IAC-17.B2.2.3
Kaczmarczik, Ulrich	CA	IAC-17.A2.5.1
Kailin, Fu	CA	IAC-17.B4.6A.2
Kaiser, Stefan A.	A	IAC-17.E7.2.4
Kakuta, Tomohiro	A	IAC-17.D4.3.9
Kalery, Alexander	CA	IAC-17.B3.3.6
Kalinin, Sergey	CA	IAC-17.A1.IP.35
Kalita, Himangshu	A	IAC-17.D3.3.2
Kalkum, Markus	CA	IAC-17.A1.IP.7
Kallenbach, Alexander	CA	IAC-17.A2.5.3
Kallenbach, Alexander	CA	IAC-17.D2.6.1
Kamaletdinova, Guzel	CA	IAC-17.A5.IP.8
Kamhawi, Hani	CA	IAC-17.C4.4.3
Kamiya, Takanobu	CA	IAC-17.D2.2.4
Kamiya, Toshio	CA	IAC-17.C1.IP.25
Kamiyama, Yoshito	CA	IAC-17.A1.3.12
Kamm, Lukas	CA	IAC-17.E2.2.10
KANAI, Ryuichiro	A	IAC-17.D2.7.10
Kanda, Takeshi	CA	IAC-17.D2.5.13
Kanda, Takeshi	CA	IAC-17.D4.3.4
Kane, Megan	A	IAC-17.B4.9-GTS.5.9
Kane, Megan	A	IAC-17.D5.2.11
Kane, Megan	A	IAC-17.D3.IP.2
Kaneko, Yuuki	CA	IAC-17.A1.3.12
Kang, Hongjae	CA	IAC-17.C4.10.6
Kang, Kyungin	CA	IAC-17.A3.2A.8
Kang, Qi	CA	IAC-17.A2.2.4
Kang, Qi	A	IAC-17.A2.3.12
Kang, Sunil	CA	IAC-17.D6.1.8
Kaniewski, Damian	CA	IAC-17.A6.5.4
Kaniewski, Damian	CA	IAC-17.A2.5.2
Kanjir, Ursa	A	IAC-17.B5.2.4
Kanzler, Ronny	CA	IAC-17.A6.4.5
Kapellos, Konstantinos	CA	IAC-17.A3.IP.30
Kapitola, Sascha	CA	IAC-17.B4.4.2
Kapoglou, Angeliki	CA	IAC-17.E3.2.1
Kappenstein, Charles	CA	IAC-17.C4.1.8
Kaptein, Alexander	CA	IAC-17.B1.2.4
Kara, Ozan	A	IAC-17.A1.IP.6
Karabadzhak, George	A	IAC-17.A3.2B.11
Karabadzhak, George	A	IAC-17.B3.3.2
Karabadzhak, Georgy	CA	IAC-17.B3.3.1
Karabeyoglu, Arif	A	IAC-17.C4.2.7
Karabeyoglu, Arif	A	IAC-17.C4.6.9
Karacalioglu, Arif Goktug	A	IAC-17.B5.1.4
Karacor, Gursel	CA	IAC-17.A6.7.3
Karale, Vishwas	CA	IAC-17.B2.6.8
Karale, Vishwas	CA	IAC-17.B2.6.9
Karatekin, Özgür	CA	IAC-17.A3.3B.2
Karchaev, Kharun	CA	IAC-17.A3.1.11
Karchaev, Kharun	CA	IAC-17.E6.IP.3
Karimaghaloo, Alireza	CA	IAC-17.C2.8.2
Karl, Alexander	CA	IAC-17.B3.3.3
Karl, Sebastian	CA	IAC-17.D2.4.3
KARMAKAR, SOURAV	A	IAC-17.C4.7-C3.5.4
Karmustaji, Saud	CA	IAC-17.E1.6.3
Karmustaji, Saud	CA	IAC-17.E1.3.3
Karouia, Fathi	A	IAC-17.A1.5.11
Karouia, Fathi	A	IAC-17.B4.6B.13
Karouia, Fathi	A	IAC-17.A1.8.1
Karouia, Fathi	A	IAC-17.A2.7.9
Karp, Ashley	CA	IAC-17.C4.8-B4.5A.8
Karpenko, Stanislav	CA	IAC-17.E1.IP.26
Karri, Rama Santhosh	CA	IAC-17.A1.2.14

Kurosu, Yousuke	CA	IAC-17.A6.1.10
KURRA, SASI SAKETH	A	IAC-17.A3.IP.42
Kurtsiefer, Christian	CA	IAC-17.B2.IP.14
Kusakawa, Yasuhiro	CA	IAC-17.C1.IP.25
Kusano, Hiroki	CA	IAC-17.A3.3A.5
Kushiki, Kenichi	CA	IAC-17.C1.IP.26
Kusumawardani, Pratiwi	A	IAC-17.B2.8-GTS.3.8
Kutko, Olga	CA	IAC-17.A1.IP.35
Kuuste, Henri	CA	IAC-17.C2.1.6
Kuwahara, Toshinori	CA	IAC-17.B4.6A.11
Kuzmina, Lyudmila	A	IAC-17.C2.IP.18
Kuznetsov, Eduard	A	IAC-17.A6.IP.37
Kwan, Trevor	CA	IAC-17.B4.6B.8
Kwan, Trevor	A	IAC-17.C3.4.3
Kwon, Minchan	CA	IAC-17.C4.IP.20
Kwon, Sejin	CA	IAC-17.C4.IP.32
Kwon, Sejin	A	IAC-17.E5.IP.15
Kwon, Sejin	CA	IAC-17.C4.10.6
Kwon, Seong-Cheol	A	IAC-17.C2.3.11
Kyr, Peter	CA	IAC-17.A3.IP.31
Kyr, Peter	CA	IAC-17.A3.2C.3
Kyriakopoulos, George	A	IAC-17.E7.2.16
Kyytsonen, Jannene	A	IAC-17.D4.2.10
Könemann, Thorben	A	IAC-17.A2.5.1
Kössling, Matthias	CA	IAC-17.C4.7-C3.5.10
Küchemann, Oliver	CA	IAC-17.A3.4A.8
Küchemann, Oliver	CA	IAC-17.A3.4A.9
Küchemann, Oliver	CA	IAC-17.A3.4B.3
Kütt, Johan	CA	IAC-17.C1.1.10
Kütt, Johan	CA	IAC-17.C2.1.6

L

Name	Role	Paper
L, SOWMIA NARAYANAN	CA	IAC-17.D2.1.8
La Mura, Pierfrancesco	A	IAC-17.A5.IP.5
La Regina, Veronica	A	IAC-17.E3.2.3
Lab, Space	CA	IAC-17.A1.2.15
Labanti, Claudio	CA	IAC-17.B4.8.2
LaBelle, Remi	A	IAC-17.B2.6.7
Labutkina, Tatyana V.	A	IAC-17.D4.1.5
Labutkina, Tatyana V.	A	IAC-17.A6.IP.3
Lachmann, Maike Diana	CA	IAC-17.A2.3.2
Ladisa, Pietro	CA	IAC-17.C2.1.4
Ladjouze, Mohammed Cherif	CA	IAC-17.B4.1.8
Lakmal, Yasith	CA	IAC-17.A5.IP.8
Lakmal, Yasith	CA	IAC-17.B2.8-GTS.3.8
Lakshmanan, Rakkappan	CA	IAC-17.B6.1.3
Lakshmikantha, Bidarakere Puttakariyappa	A	IAC-17.B5.2.11
Lal, Bhavya	CA	IAC-17.B3.2.10
Lal, Bhavya	A	IAC-17.E6.1.4
Lal, Bhavya	CA	IAC-17.E3.3.6
Lal, Bhavya	CA	IAC-17.D1.6.3
Lali, Mehdi	CA	IAC-17.B5.1.4
Lam, Amy	CA	IAC-17.A1.7.9
Lam, Try	CA	IAC-17.C1.7.8
Lamarca, Vito	CA	IAC-17.B4.1.12
Lamarca, Vito	CA	IAC-17.B4.9-GTS.5.4
Lamb, Dan	CA	IAC-17.B4.6B.3
Lambert, Andrew	CA	IAC-17.B4.2.6
Lambert, Andrew	CA	IAC-17.A7.2.2
Lambert, Andrew	CA	IAC-17.B2.IP.14
Lammens, Sarah	CA	IAC-17.D2.IP.19
Lampani, Luca	CA	IAC-17.C1.1.5
Lampani, Luca	CA	IAC-17.C2.5.6
Lamprecht, Bret	CA	IAC-17.A3.IP.39
Lan, Shengchang	CA	IAC-17.B2.6.10
LAN SUN LUK, Jean-Daniel	CA	IAC-17.C3.2.7
Landau, Damon	CA	IAC-17.A5.2.3
Landau, Damon	CA	IAC-17.D1.4B.5
Landgraf, Markus	CA	IAC-17.D3.1.7
Landgraf, Markus	CA	IAC-17.D3.4.3
Landgraf, Markus	CA	IAC-17.B3.6-A5.3.3
Landin, Brett	CA	IAC-17.A3.3A.2
Landin, Brett	CA	IAC-17.A3.IP.39
Landreani, Federica	CA	IAC-17.A1.2.11
Landsberg, Will	A	IAC-17.C4.9.16
Lang, Dominik	CA	IAC-17.B2.4.1
Lange, Caroline	CA	IAC-17.D3.2.7
Lange, Caroline	CA	IAC-17.A3.4A.8
Lange, Caroline	CA	IAC-17.A3.4A.9
Lange, Caroline	CA	IAC-17.B4.6A.12
Lange, Caroline	CA	IAC-17.A3.IP.31
Lange, Caroline	CA	IAC-17.C2.7.9
Lange, Caroline	A	IAC-17.A3.2C.3
Lange, Caroline	A	IAC-17.A3.4B.3
Lange, Christian	CA	IAC-17.A5.1.1
Lange, Michael	CA	IAC-17.A3.4A.8
Lange, Michael	A	IAC-17.C2.7.9
Lange, Michael	CA	IAC-17.A3.4B.3
Langelier, Marie-Kiki	CA	IAC-17.B1.IP.7
Langer, Martin	CA	IAC-17.B4.6A.5
LANGEVIN, Marie-Noelle	CA	IAC-17.B1.3.4
Langevin, Yves	CA	IAC-17.A3.5.3
Langley, Christopher S.	CA	IAC-17.A3.3B.12
Langston, Sara	CA	IAC-17.B3.9-GTS.2
Lania, Gabriele	CA	IAC-17.E1.IP.27
Lankalapalli, Mruthyunjaya	CA	IAC-17.B2.1.8
Lankl, Maximilian	CA	IAC-17.B4.3.8
Lapeyre, Remi	CA	IAC-17.B6.3.7
Lappoehn, Karsten	CA	IAC-17.E1.IP.25
Laprise, Samuel	A	IAC-17.C4.IP.9
Lara, Jonatan	CA	IAC-17.E3.1.11
Larin, Vladimir O.	CA	IAC-17.D4.1.5
Larin, Vladimir O.	CA	IAC-17.A6.IP.3
Larko, Jeffrey	CA	IAC-17.C2.1.1
LaRocca, Daniel	CA	IAC-17.B4.2.1
Larsen, Paul	A	IAC-17.E7.7-B3.8.1
Lassakeur, Abdelmadjid	CA	IAC-17.B4.1.8
Latyshev, Kir	A	IAC-17.E2.3-GTS.4.3
Lau, Albert Wai Kit	A	IAC-17.C1.IP.33
Lauber, Beatrice	CA	IAC-17.A1.8.9
Laudan, Katarina	CA	IAC-17.A6.4.7
Laudet, Philippe	CA	IAC-17.A3.3B.3
Lauer, Charles	A	IAC-17.D6.1.7
Lauer, Charles	A	IAC-17.E6.2.6
Lauer, Charles	A	IAC-17.D6.3.1
Laufer, Philipp	CA	IAC-17.C4.IP.11
Laufer, Rene	CA	IAC-17.B4.3.6
Laufer, Rene	CA	IAC-17.B4.3.11
Laufer, Rene	CA	IAC-17.A6.IP.4
Laufer, Rene	CA	IAC-17.D2.IP.13
Laufer, Rene	CA	IAC-17.A2.5.6
Laufer, Rene	CA	IAC-17.A2.5.8
Laurens, Sophie	CA	IAC-17.A6.7.2
Laurenzi, Susanna	A	IAC-17.C2.9.9
Laurini, Daniele	CA	IAC-17.B3.7.2
Laurini, Kathy	CA	IAC-17.B3.1.6
Laurini, Kathy	A	IAC-17.A5.1.1
Lavagna, Michèle	CA	IAC-17.C1.2.8
Lavagna, Michèle	CA	IAC-17.C1.3.7
Lavagna, Michèle	CA	IAC-17.D1.3.3
Lavagna, Michèle	CA	IAC-17.D2.3.6
Lavagna, Michèle	CA	IAC-17.B3.IP.4
Lavagna, Michèle	CA	IAC-17.A6.6.7
Lavagna, Michèle	CA	IAC-17.A3.2C.1
Lavagna, Michèle	CA	IAC-17.B4.8.2
Lavagna, Michèle	CA	IAC-17.B6.3.5
Lavagna, Michèle	A	IAC-17.A3.4B.9
Lavagna, Michèle	CA	IAC-17.C1.9.11
Lavagna, Michèle	CA	IAC-17.C1.9.12
Lavigne, Max	CA	IAC-17.E2.3-GTS.4.10
Lavrenko, Elena	CA	IAC-17.B3.3.2
Lawrence, Jon	CA	IAC-17.A7.2.2
Layer, Liliana E.	CA	IAC-17.A1.8.9
Layton, Kelvin	CA	IAC-17.B2.2.2
Layton, Kelvin	A	IAC-17.B2.7.10
Lazio, Joseph	CA	IAC-17.A3.4B.8

Lazurenko, Alexey	CA	IAC-17.C4.4.8
Lazzari, Ester	CA	IAC-17.E1.IP.27
Le, My Hanh	CA	IAC-17.E5.5.9
Le Bihan, Bastien	CA	IAC-17.D2.3.1
Le Bihan, Bastien	CA	IAC-17.C1.IP.20
Le Bihan, Bastien	A	IAC-17.C1.8.2
Le Goff, Roland	A	IAC-17.B1.3.7
Le Goff, Roland	A	IAC-17.A7.3.7
Le May, Samantha	A	IAC-17.E2.2.1
Le Moigne, Jacqueline	CA	IAC-17.D1.4B.2
Leary, James C.	CA	IAC-17.A3.4B.5
Lebofsky, Matt	CA	IAC-17.A4.1.3
Lebron Gaset, Marta	CA	IAC-17.E6.1.1
Lebron Gaset, Marta	CA	IAC-17.E4.3B.4
Lecallier, Arnaud	CA	IAC-17.A7.3.7
Lechner, Gottfried	CA	IAC-17.B2.2.2
Lechner, Gottfried	CA	IAC-17.B2.5.1
Lechner, Gottfried	CA	IAC-17.B2.7.10
Leconte, Jeremy	CA	IAC-17.A7.2.4
Lecoutre, Carole	A	IAC-17.A2.4.2
Lecoutre, Carole	CA	IAC-17.A2.6.1
Ledkov, Alexander	CA	IAC-17.C1.4.9
Lee, Changjin	CA	IAC-17.C4.2.12
Lee, Chris	CA	IAC-17.A6.1.7
Lee, Chris H.	CA	IAC-17.A6.9.5
Lee, Chris H.	CA	IAC-17.A6.10-B4.10.8
Lee, Dongeun	A	IAC-17.C4.2.12
Lee, Jongkwang	CA	IAC-17.C4.IP.20
Lee, Jungpyo	CA	IAC-17.C4.IP.48
Lee, Junho	A	IAC-17.E2.2.4
Lee, Ki Myung Brian	A	IAC-17.E1.IP.28
Lee, Min-Hwan	CA	IAC-17.C2.8.2
Lee, Steve	CA	IAC-17.B1.IP.28
Lee, Tai Sik	CA	IAC-17.E1.5.5
Lee, Young	CA	IAC-17.E1.5.14
Lefeber, René	CA	IAC-17.E7.2.12
Lefebvre, Luc	CA	IAC-17.B3.1.5
Lefort, Xavier	CA	IAC-17.D2.2.7
Lehmann, Marc	CA	IAC-17.B4.7.2
Lehner, Benjamin	CA	IAC-17.A1.IP.34
Lehner, Benjamin	A	IAC-17.A3.IP.17
Lehner, Hannah	CA	IAC-17.A3.IP.31
Lehner, Peter	CA	IAC-17.A3.IP.31
Lehner, Peter	CA	IAC-17.A3.2C.3
Lei, Peng	CA	IAC-17.A1.6.7
Lei, Peng	CA	IAC-17.A1.IP.5
Lei, Peng	A	IAC-17.A1.IP.23
Leitner, Jürgen	CA	IAC-17.A3.IP.16
Lekhi, Pranay	A	IAC-17.E7.IP.9
Lekhi, Pranay	A	IAC-17.E7.IP.10
Lell, Peter	CA	IAC-17.A3.4B.5
Lemack, Carie	CA	IAC-17.E1.3.12
Lemeshevsky, Sergei Antonovich	A	IAC-17.A3.1.11
Lemeshevsky, Sergei Antonovich	A	IAC-17.E6.IP.3
LeMieux, Danielle	CA	IAC-17.A5.2.9
LeMieux, Danielle	CA	IAC-17.D4.2.8
LeMieux, Danielle	A	IAC-17.E1.7.6
Lemke, Norbert M.K.	A	IAC-17.A7.2.9
Lemmens, Stijn	CA	IAC-17.A6.2.6
Lemmens, Stijn	CA	IAC-17.A6.2.9
Lenard, Roger X.	A	IAC-17.A3.4A.1
Lenard, Roger X.	A	IAC-17.D4.5.3
Leng, Yue	CA	IAC-17.B4.5.12
Lenti, Fabrizio	CA	IAC-17.B1.IP.17
Lenzen, Christoph	CA	IAC-17.B6.3.10
Leon, Omar	A	IAC-17.B4.2.4
Leonardi, Claudio	CA	IAC-17.E5.1.4
Leonov, Victor	A	IAC-17.E1.IP.37
Lepech, Michael	CA	IAC-17.A3.IP.29
Lepelletier, Max	CA	IAC-17.E3.6.10
Leroy, Marc	CA	IAC-17.A6.6.5
Lesch, Tobias	A	IAC-17.B4.3.9
Letizia, Francesca	A	IAC-17.C1.6.9
Letterio, Federico	CA	IAC-17.B2.5.3
Letzepis, Nick	CA	IAC-17.B2.2.8
Leudiere, Vincent	CA	IAC-17.C4.1.10
Leudiere, Vincent	CA	IAC-17.D2.8-A5.4.2
Leung, Henry	CA	IAC-17.C3.3.6
Leveratto, Serban	A	IAC-17.E2.4.3
Leverone, Fiona	A	IAC-17.C4.6.6
Lewis, Adam	CA	IAC-17.B1.6.1
Lewis, Adam	CA	IAC-17.B1.6.4
Lewis, Hugh	A	IAC-17.A6.2.2
Lewis, Hugh	CA	IAC-17.A6.10-B4.10.2
Lewis, Hugh G.	CA	IAC-17.A6.IP.35
Lewis, Hugh G.	CA	IAC-17.A6.IP.36
Lewis, Stephen	CA	IAC-17.A3.3B.2
Lewis, Todd	CA	IAC-17.D2.4.11
León Pérez, Laura	A	IAC-17.B4.3.14
Li, Aijun	CA	IAC-17.D2.IP.2
Li, Bin	CA	IAC-17.B5.2.7
Li, Bo	CA	IAC-17.A1.5.8
Li, Cao	CA	IAC-17.B4.5.12
Li, Chengen	CA	IAC-17.C4.2.11
Li, Chengxian	CA	IAC-17.A1.7.5
Li, Chuanjiang	A	IAC-17.C1.4.7
Li, Dan	CA	IAC-17.C3.3.4
Li, Danming	CA	IAC-17.C4.6.2
Li, Dongxu	CA	IAC-17.B3.6-A5.3.8
Li, Dongyu	CA	IAC-17.C1.4.7
Li, Elliott	CA	IAC-17.B5.1.4
Li, Fei	CA	IAC-17.A1.IP.3
Li, Gongqiang	A	IAC-17.A6.7.8
Li, Guangxi	CA	IAC-17.C4.9.5
Li, Guangyun	CA	IAC-17.A2.5.9
Li, Haiqin	CA	IAC-17.C2.3.12
Li, Haiyang	CA	IAC-17.C1.6.3
LI, Hong bin	CA	IAC-17.B2.1.11
Li, Huasheng	A	IAC-17.A1.IP.38
Li, Huayi	CA	IAC-17.C1.IP.14
Li, Ji	A	IAC-17.D3.3.6
Li, Jialian	A	IAC-17.A1.IP.30
LI, Jiang	CA	IAC-17.C4.9.10
Li, Jiaxing	CA	IAC-17.D2.IP.2
Li, Jin	CA	IAC-17.A6.IP.40
Li, Jing	CA	IAC-17.D3.3.11
Li, Jinxian	CA	IAC-17.C4.IP.23
Li, Jionghui	A	IAC-17.B2.6.10
LI, Jiutian	CA	IAC-17.E3.IP.6
Li, Kang	CA	IAC-17.C1.5.5
Li, Kang	CA	IAC-17.C1.IP.19
LI, LAN	CA	IAC-17.D5.1.4
Li, Li	CA	IAC-17.B4.4.10
Li, Liansheng	CA	IAC-17.A7.3.12
Li, Lincheng	A	IAC-17.B6.IP.9
Li, Longfei	A	IAC-17.D1.IP.7
Li, Longxian	A	IAC-17.C4.10.3
Li, Meng	CA	IAC-17.C2.IP.7
Li, Ming	A	IAC-17.B1.1.5
Li, Ming	A	IAC-17.B1.2.1
Li, Ming	CA	IAC-17.A6.3.8
Li, Mingtao	A	IAC-17.C1.IP.21
Li, Mingtao	CA	IAC-17.D1.6.1
Li, Qianbing	A	IAC-17.B2.7.9
LI, Qiang	CA	IAC-17.C4.IP.23
Li, Rui	A	IAC-17.C2.7.3
Li, Shangyuan	CA	IAC-17.B2.7.9
Li, Shouping	A	IAC-17.E7.5.2
Li, Ting	CA	IAC-17.A1.IP.24
Li, Ting	A	IAC-17.A1.IP.27
Li, Tuanjie	CA	IAC-17.C2.IP.24
Li, Tuanjie	A	IAC-17.C2.IP.38
Li, Wei	CA	IAC-17.C1.IP.36
Li, Wenji	A	IAC-17.B2.3.11
Li, Wenjiong	CA	IAC-17.A2.7.4
Li, Xiaojun	CA	IAC-17.C3.2.4
Li, Xiaoyan	A	IAC-17.C2.7.14
Li, Xin	CA	IAC-17.A6.3.4
Li, Xinhong	A	IAC-17.A1.7.5
Li, Yan	A	IAC-17.C2.8.1

Li, Yandong	CA	IAC-17.B2.3.11
Li, Yandong	CA	IAC-17.B2.4.8
Li, Yi	A	IAC-17.E1.3.11
Li, Yi	CA	IAC-17.C3.3.4
Li, Yi	A	IAC-17.D2.IP.9
Li, Yinghui	CA	IAC-17.A1.1.5
Li, Yinghui	CA	IAC-17.A1.2.12
Li, Yinghui	CA	IAC-17.A1.IP.24
Li, Yinghui	CA	IAC-17.A1.IP.30
Li, Yinghui	CA	IAC-17.A1.7.5
Li, Yingxian	A	IAC-17.A1.IP.36
Li, Yong	CA	IAC-17.C2.IP.30
Li, Yuanchun	CA	IAC-17.C1.5.10
Li, Yuanqi	CA	IAC-17.C4.5.13
Li, Zhi-Hui	A	IAC-17.A6.2.11
Li-Williams, Scarlett	CA	IAC-17.D3.3.11
Liang, Jie	A	IAC-17.D2.6.9
Liang, Jie	A	IAC-17.B3.7.4
Liang, Jinbao	CA	IAC-17.A1.5.1
Liang, Junlong	CA	IAC-17.C4.9.2
Liang, Wei	CA	IAC-17.C4.8-B4.5A.2
Liang, Yangang	CA	IAC-17.E3.IP.6
Liang, Yuying	A	IAC-17.C1.8.10
Liao, Bo	CA	IAC-17.C2.IP.23
Liao, He	CA	IAC-17.C2.IP.23
Liebrecht, Philip	CA	IAC-17.B2.1.1
Lifshits, Jakob	CA	IAC-17.C2.IP.31
Lillis, Robert	CA	IAC-17.A3.IP.11
Lim, John	A	IAC-17.E2.4.8
Lim, Seongmin	A	IAC-17.A6.IP.17
LIMA, ANA	CA	IAC-17.D4.2.4
Lin, Chen-Tsung	CA	IAC-17.B4.4.12
Lin, Le-Ke	CA	IAC-17.B2.8-GTS.3.3
Lin, Qingguo	CA	IAC-17.C4.IP.26
Lin, ZHAO	CA	IAC-17.C2.IP.25
Lindblad, Louise	CA	IAC-17.D3.4.7
Lindblad, Louise	A	IAC-17.D1.IP.18
Linder, Martin	CA	IAC-17.A7.IP.3
Lindner, Claudia	CA	IAC-17.E1.2.11
Lindner, Miles	CA	IAC-17.E1.3.12
Ling, Jer	CA	IAC-17.B4.4.12
Ling Euk Jin, Alexander	CA	IAC-17.B2.IP.14
Ling Euk Jin, Alexander	CA	IAC-17.B4.6B.8
Ling Euk Jin, Alexander	CA	IAC-17.D5.4.4
Ling Euk Jin, Alexander	CA	IAC-17.B2.7.2
Lingard, David	CA	IAC-17.B4.2.6
Linke, Stefan	CA	IAC-17.B1.IP.3
Linne, Diane	A	IAC-17.D3.3.1
Linossier, Alexander	A	IAC-17.A3.IP.3
Linossier, Alexander	A	IAC-17.E1.2.2
Lion, Guillaume	CA	IAC-17.C1.9.8
Liou, J.-C.	CA	IAC-17.A6.3.6
Lipaev, Andrey M.	CA	IAC-17.A2.6.8
Liping, Xiao	CA	IAC-17.B1.4.2
Lipinska, Monika	CA	IAC-17.B3.9-GTS.2.9
Lippert, Claus	CA	IAC-17.E6.2.11
Lippert, Claus	CA	IAC-17.D2.IP.3
Lips, Tobias	CA	IAC-17.A6.4.6
Lips, Tobias	CA	IAC-17.A6.4.7
Lisk, Joel	CA	IAC-17.E7.4.13
Lisowski, Jakub	CA	IAC-17.C1.3.1
List, Meike	CA	IAC-17.A2.1.5
List, Meike	CA	IAC-17.A2.1.6
List, Meike	CA	IAC-17.B1.IP.21
List, Meike	CA	IAC-17.C4.IP.31
Liu, Bang	CA	IAC-17.D1.1.8
Liu, Bing	CA	IAC-17.E4.3B.4
Liu, Changting	CA	IAC-17.A1.IP.5
LIU, CHAOZHEN	A	IAC-17.B3.7.9
Liu, Fangbin	CA	IAC-17.C4.5.11
Liu, Guanghui	A	IAC-17.B4.6A.9
LIU, Guangming	A	IAC-17.B2.IP.19
LIU, Hao	A	IAC-17.E6.2.10
Liu, Hongju	CA	IAC-17.A2.7.4
Liu, Hui	CA	IAC-17.A1.IP.23
Liu, Jichao	A	IAC-17.A2.5.9
Liu, Jing	CA	IAC-17.A6.IP.22
Liu, Jing	CA	IAC-17.A6.7.8
Liu, Kai	CA	IAC-17.E6.1.1
Liu, Ke	A	IAC-17.C2.8.6
Liu, Lin	CA	IAC-17.A6.IP.13
Liu, Lin	CA	IAC-17.C1.8.11
Liu, Lin	CA	IAC-17.C1.8.12
Liu, Lin	CA	IAC-17.C1.8.13
Liu, Min	CA	IAC-17.A1.IP.38
Liu, Min	CA	IAC-17.A1.8.12
Liu, Peijin	CA	IAC-17.C4.IP.35
Liu, Sen	CA	IAC-17.A6.3.4
Liu, Sen	CA	IAC-17.A6.IP.40
Liu, Shi-chang	CA	IAC-17.C4.9.10
Liu, Xiaobin	CA	IAC-17.D2.IP.15
Liu, Xueyong	CA	IAC-17.A1.1.4
Liu, Xuhui	CA	IAC-17.B4.6A.2
Liu, Yan	A	IAC-17.A2.2.7
Liu, Yang	A	IAC-17.B2.IP.18
Liu, Yanmin	CA	IAC-17.A2.6.5
Liu, Yingying	CA	IAC-17.B4.7.7
Liu, Yuliang	CA	IAC-17.C1.2.12
Liu, Zheng	A	IAC-17.B2.1.4
Liu, Zhiwei	A	IAC-17.B2.1.6
Liu, Zoren	CA	IAC-17.E1.IP.28
Lizy-Destrez, Stéphanie	CA	IAC-17.D2.3.1
Lizy-Destrez, Stéphanie	CA	IAC-17.C1.IP.20
Lizy-Destrez, Stéphanie	CA	IAC-17.B3.6-A5.3.3
Lizy-Destrez, Stéphanie	CA	IAC-17.C1.8.2
Llodra-Perez, Anaïs	CA	IAC-17.A2.6.2
Lobascio, Cesare	A	IAC-17.A1.4.4
Lobascio, Cesare	CA	IAC-17.A1.4.9
Lobykin, Andrey	CA	IAC-17.B3.7.3
Locatelli, Gianmarco	CA	IAC-17.A6.9.5
Lockney, Daniel	CA	IAC-17.E5.2.4
Loddo, Isabella	CA	IAC-17.A1.4.6
Lodiot, Sylvain	CA	IAC-17.A3.4A.3
Loftus, David	CA	IAC-17.A3.IP.29
Logan Fahey, Thomas	A	IAC-17.C4.IP.7
Lognonné, Philippe	CA	IAC-17.A3.3B.3
Loi, Francesca	CA	IAC-17.A4.1.8
Lokas, Svein	CA	IAC-17.A6.4.5
Loke, Wei Ting	A	IAC-17.B6.1.3
Lolage, Abhishek	CA	IAC-17.E2.4.4
Lonchakov, Yuri	CA	IAC-17.B3.5.5
Long, Alexandra	A	IAC-17.A6.5.2
Long, George Anthony	A	IAC-17.E7.2.14
Long, Jie	A	IAC-17.E7.1.12
Longo, Francesco	CA	IAC-17.A3.5.3
Longo, José	CA	IAC-17.D2.IP.6
Longo, José	CA	IAC-17.D2.6.2
Longstaff, Roger	CA	IAC-17.A6.6.10
Longuski, James	CA	IAC-17.A5.2.11
Loos, Klara	CA	IAC-17.B4.6A.10
Lootah, Fatma	CA	IAC-17.A3.3B.4
Lootah, Fatma	CA	IAC-17.A3.IP.11
Lopez, Amenosis	A	IAC-17.C4.IP.1
Lopez, Amenosis	A	IAC-17.E2.4.6
Lopez Urdiales, Jose Mariano	A	IAC-17.D2.7.7
Lora Veizaga, Maria Alexandra	A	IAC-17.E8.1.3
Lorda, Laurence	CA	IAC-17.A3.4A.8
Lorda, Laurence	CA	IAC-17.A3.4A.9
Lorenzini, Enrico C.	CA	IAC-17.E2.3-GTS.4.6
Lorenzoni, Leila	CA	IAC-17.A3.3A.4
Lori, Maurizio	CA	IAC-17.C2.2.2
Loru, Sara	CA	IAC-17.A4.1.8
Losi, Luca	CA	IAC-17.C1.3.7
Losi, Luca	A	IAC-17.A3.2C.1
Losi, Luca	CA	IAC-17.B6.3.5
Loureiro, Geilson	CA	IAC-17.D1.1.7
Loureiro, Geilson	CA	IAC-17.D1.4A.1
Loureiro, Geilson	CA	IAC-17.D1.4B.7
Loureiro, Geilson	CA	IAC-17.D1.4B.8
Loureiro, Geilson	A	IAC-17.D1.5.1
Lourenço, Nuno	CA	IAC-17.B1.IP.1
Lousada, Joao	A	IAC-17.A5.IP.8
Lovtsov, Alexander	A	IAC-17.C4.4.5
Lovtsov, Alexander	CA	IAC-17.C4.4.5
Lowing, Paul	CA	IAC-17.D4.5.4
Lozano, Emilio	CA	IAC-17.E2.3-GTS.4.4
Lu, Chang-Sheng	CA	IAC-17.B2.8-GTS.3.3
LU, Hong	CA	IAC-17.D2.4.8
Lu, Hongbo	CA	IAC-17.C2.IP.43
Lu, Hongshi	CA	IAC-17.D2.IP.2
Lu, Jinying	CA	IAC-17.A1.IP.38
Lu, Jinying	A	IAC-17.A1.8.12
Lu, Liu	CA	IAC-17.B1.2.10
Lu, Lu	CA	IAC-17.B2.8-GTS.3.7
Lu, Qin	A	IAC-17.C2.4.7
Lu, Shan	CA	IAC-17.D1.IP.23
Lu, Shan	CA	IAC-17.B3.7.9
Lu, Tian Jian	CA	IAC-17.C2.7.13
LU, WEIJIAN	CA	IAC-17.D5.1.4
Lu, Xi	CA	IAC-17.A3.1.6
Lu, Xiaofei	CA	IAC-17.C4.4.11
Lu, Xinyuan	CA	IAC-17.C1.IP.36
Lu, Zhuoyan	A	IAC-17.E3.2.8
Luchitskaya, Elena	A	IAC-17.A1.2.10
Lucic, Tajana	CA	IAC-17.A5.2.9
Lucic, Tajana	CA	IAC-17.D4.2.8
Lueck, Wolfgang	A	IAC-17.B1.6.5
Lukacevic, Jan	A	IAC-17.E2.2.7
Lumb, David	CA	IAC-17.A7.IP.3
Lunesu, Maria Ilaria	CA	IAC-17.A4.1.8
Lunghi, Paolo	CA	IAC-17.A6.6.7
Lunghi, Paolo	A	IAC-17.B4.8.2
Lunghi, Paolo	A	IAC-17.B6.3.5
Lunine, Jonathan	CA	IAC-17.A7.1.6
LUO, Jianjun	CA	IAC-17.C1.IP.16
Luo, Jianjun	CA	IAC-17.C1.IP.36
Luo, Jiaqi	CA	IAC-17.A1.6.8
Luo, Kai	CA	IAC-17.D5.1.6
Lupu, Elena Sorina	CA	IAC-17.E2.3-GTS.4.4
Lv, Congmin	CA	IAC-17.B2.8-GTS.3.7
Lv, Ke	CA	IAC-17.A1.2.3
Lv, Ke	CA	IAC-17.A1.2.12
Lv, Xiaowei	CA	IAC-17.D1.IP.3
Lv, Zhengxin	CA	IAC-17.A7.3.12
Lyles, Garry	CA	IAC-17.D2.1.7
Lymburner, Leo	CA	IAC-17.B1.6.1
Lyons, Rachel	CA	IAC-17.D1.1.2
Lyons, Rachel	CA	IAC-17.E1.IP.7
Lyons, Rachel	CA	IAC-17.C4.6.5
LYONS, RHONDA	A	IAC-17.B3.IP.7
Lysova, Natalya	CA	IAC-17.A1.2.7
Lyu, Peng	A	IAC-17.B2.3.7
LYU, Yueyong	CA	IAC-17.C1.4.7
Läkk, Hanna	CA	IAC-17.D3.1.7
Lämmerzahl, Claus	CA	IAC-17.A2.1.6
Lämmerzahl, Claus	A	IAC-17.A2.1.8
Lämmerzahl, Claus	CA	IAC-17.A2.5.1
López, Aníbal	A	IAC-17.B2.6.1
Løfaldli, Henrik	CA	IAC-17.E2.3-GTS.4.7
Lübke-Ossenbeck, Bernard	CA	IAC-17.B2.2.5
Lübke-Ossenbeck, Bernard	CA	IAC-17.C1.6.9
Lübke-Ossenbeck, Bernard	CA	IAC-17.C1.6.12
Lüskow, Karl	CA	IAC-17.C4.4.10
Lüttenberg, Hans-Peter	CA	IAC-17.B1.6.3

M

Name	Role	Paper
M Ganapathy, Rohan	CA	IAC-17.C4.IP.8
M Ganapathy, Rohan	CA	IAC-17.C4.IP.34
M., S.	A	IAC-17.A1.7.11
Ma, Clement	CA	IAC-17.B2.7.4
Ma, Guangfu	CA	IAC-17.C1.5.10
Ma, Hong	CA	IAC-17.A1.5.8
Ma, Qianying	A	IAC-17.A1.1.5
Ma, Weihua	CA	IAC-17.A2.4.7
Ma, Weihua	A	IAC-17.C1.IP.36
Ma, Xiaofei	CA	IAC-17.C2.IP.24
Ma, Xiaofei	CA	IAC-17.C2.IP.38
Ma, Xuemei	A	IAC-17.E6.3.2
MA, Yang	A	IAC-17.B2.4.8
Ma, Yuan	CA	IAC-17.C4.9.5
Macario Rojas, Alejandro	CA	IAC-17.D1.1.2
Maccone, Claudio	CA	IAC-17.A4.1.8
Maccone, Claudio	CA	IAC-17.A4.2.3
Maccone, Claudio	A	IAC-17.A4.2.6
Maccone, Claudio	CA	IAC-17.A4.2.8
MacDonald, Erin	CA	IAC-17.E1.7.5
Macdonald, Malcolm	CA	IAC-17.A6.5.10
Mace, Owen	CA	IAC-17.E4.3A.4
Macedo Andrade, Angela	CA	IAC-17.C2.8.2
Machchhar, Deep	CA	IAC-17.E2.4.1
Machchhar, Deep	CA	IAC-17.E2.4.4
Machin Llanos, Jorge	A	IAC-17.B4.6B.15
Machrafi, Rachid	CA	IAC-17.A1.5.2
MacMahon, David	CA	IAC-17.A4.1.3
Maddela, Madhurima	CA	IAC-17.D1.IP.8
Maddock, Christie	A	IAC-17.D2.7.12
Madima, Tenda	A	IAC-17.E1.IP.20
Madima, Tenda	A	IAC-17.E1.9.8
Madura, Thomas	CA	IAC-17.E1.7.9
Maeda, George	CA	IAC-17.B4.1.5
Maeda, George	A	IAC-17.E1.4.1
Maeda, George	CA	IAC-17.E1.5.7
Maeda, George	CA	IAC-17.E3.4.7
Maekawa, Kazuhiko	CA	IAC-17.C3.2.9
Maffione, porzia federica	CA	IAC-17.A5.2.5
Magalhães, José	CA	IAC-17.D5.3.3
Magarotto, Mirko	CA	IAC-17.C4.8-B4.5A.3
Maggiore, Paolo	CA	IAC-17.D3.4.1
Maggiore, Paolo	CA	IAC-17.C2.7.1
Maggiore, Paolo	CA	IAC-17.A3.2C.10
Maharaj, Riddhi	A	IAC-17.A3.IP.44
Mahmoudi, S. Hadi	CA	IAC-17.E7.2.6
Mahoney, Sean	CA	IAC-17.A3.IP.9
Maibaum, Michael	CA	IAC-17.A3.4A.8
Maibaum, Michael	CA	IAC-17.A3.4A.9
Maier, Annika	CA	IAC-17.A3.IP.31
Maier, Maximilian	CA	IAC-17.A3.4A.8
Maier, Thomas	A	IAC-17.E2.2.10
Mains, Deanna	CA	IAC-17.A6.2.5
Maioli, Luca	CA	IAC-17.B4.1.12
Maioli, Luca	CA	IAC-17.B4.9-GTS.5.4
Maioli, Luca	CA	IAC-17.E1.IP.32
Maiwald, Volker	CA	IAC-17.D1.4A.4
Maiwald, Volker	CA	IAC-17.B3.IP.6
Majdalani, Joseph	CA	IAC-17.E2.2.12
Majid, Walid	CA	IAC-17.B2.1.7
Makarov, Yuri	CA	IAC-17.E6.1.3
Makarov, Yuri	CA	IAC-17.D3.4.8
Makarov, Yuriy	CA	IAC-17.A6.4.2
Makarova, Daria	A	IAC-17.E6.2.7
Makaya, Advenit	CA	IAC-17.D3.1.7
Makushenko, Yury	A	IAC-17.A5.1.2
Malaichamy, Saagar	A	IAC-17.C4.IP.34
Malan, Francois	A	IAC-17.B4.4.4
Maleix, Corentin	CA	IAC-17.C4.1.8
Maleix, Corentin	CA	IAC-17.C4.5.9
Malenchenko, Yury	CA	IAC-17.B3.5.5
Malhotra, Vinayak	A	IAC-17.C2.IP.12
Malhotra, Vinayak	A	IAC-17.D2.IP.16
Mall, Kshitij	CA	IAC-17.A5.IP.11
Malloy, Samuel	A	IAC-17.B1.5.11
Malphrus, Benjamin	CA	IAC-17.B4.8.4
Malucchi, Giovanni	CA	IAC-17.D2.6.3
Malwadkar, Soniya	CA	IAC-17.B2.6.8
Malwadkar, Soniya	CA	IAC-17.B2.6.9
Malwadkar, Soniya	CA	IAC-17.B2.7.7
Malyshev, Veniamin V.	CA	IAC-17.C1.IP.24

Mamidi, Rachana Reddy	CA	IAC-17.B4.1.3
Mammarella, Martina	A	IAC-17.A3.2B.13
Mammarella, Martina	A	IAC-17.C1.5.3
Mammarella, Martina	A	IAC-17.A5.IP.4
Mammarella, Martina	A	IAC-17.C4.6.7
Manasa, C L	CA	IAC-17.D2.IP.16
Manber, Jeffrey	A	IAC-17.D3.2.6
Mancuso, Salvatore	CA	IAC-17.D2.6.3
Mando, Yuki	A	IAC-17.A6.3.9
Manente, Marco	A	IAC-17.C4.8-B4.5A.3
MANGLAVITI, Sara	A	IAC-17.C1.IP.20
Mani, Vipul	CA	IAC-17.A4.2.7
Manjunath, Aishwarya	A	IAC-17.A6.4.4
Mankad, K.N.	CA	IAC-17.D1.5.5
Mankins, John C.	A	IAC-17.C3.1.1
Mankins, John C.	A	IAC-17.C3.1.3
Mankins, John C.	A	IAC-17.D3.4.2
Mankins, John C.	A	IAC-17.A1.7.2
Mankins, Willa	CA	IAC-17.A1.7.2
Mann, Graham	A	IAC-17.B4.8.9
Manoli, Maria	A	IAC-17.E7.2.11
Manoli, Maria	A	IAC-17.A4.2.4
Mantellato, Riccardo	CA	IAC-17.E2.3-GTS.4.6
Mantellato, Riccardo	CA	IAC-17.A2.3.5
Mantellato, Riccardo	CA	IAC-17.C1.9.4
Mantri, Dhananjay	CA	IAC-17.E2.4.7
Manyapu, Kavya	A	IAC-17.A5.1.8
Manyapu, Kavya K.	A	IAC-17.B3.7.5
Mao, Liheng	CA	IAC-17.D2.3.11
Mao, Liheng	CA	IAC-17.D1.IP.24
Mao, Liheng	CA	IAC-17.D2.IP.11
Mao, Liheng	CA	IAC-17.D4.3.13
Mao, Liheng	CA	IAC-17.D2.8-A5.4.8
Mao, Qingyun	A	IAC-17.D1.1.8
Mao, Zhengyang	A	IAC-17.A6.7.7
Maochun, Zhai	CA	IAC-17.B5.2.7
Marabottini, Cristina	CA	IAC-17.E7.2.13
Marboe, Irmgard	CA	IAC-17.E3.2.1
Marburger, Karoline	A	IAC-17.E3.1.3
Marchetti, Mario	CA	IAC-17.C2.6.2
Marchetti, Mario	CA	IAC-17.A6.IP.39
Marchetti, Mario	CA	IAC-17.C2.7.6
Marchetti, Mario	CA	IAC-17.C2.8.4
Marcil, Isabelle	CA	IAC-17.B3.3.1
Marciniak, Blazej	CA	IAC-17.A6.5.4
Marciniak, Blazej	CA	IAC-17.A2.5.2
Marconi, Filippo	CA	IAC-17.C2.IP.39
Marcovati, Andrea	CA	IAC-17.A6.IP.42
Marcozzi, Massimiliano	A	IAC-17.A6.IP.38
Marenco, Mattia	A	IAC-17.B1.2.7
Marengo, Marco	CA	IAC-17.A2.3.4
Mares, Vladimir	CA	IAC-17.A1.5.4
Margenet, Maria Cols	A	IAC-17.C1.IP.22
Marinaci, Stefano	CA	IAC-17.E2.3-GTS.4.1
Marino, Giuliano	CA	IAC-17.C2.6.9
Mario, Cardano	CA	IAC-17.A1.4.4
Mario, Cardano	CA	IAC-17.A1.4.9
Mariotti, Gian Luca	CA	IAC-17.E3.6.12
Mariscal, Juan Carlos	CA	IAC-17.B4.1.6
Mariën, Geraldine	A	IAC-17.B3.3.3
Mariën, Geraldine	CA	IAC-17.B6.3.9
Markoff, Diane	CA	IAC-17.E1.5.9
Markov, Alexander	CA	IAC-17.B3.3.6
Marmo, Nicola	CA	IAC-17.A6.9.5
Marotta, Eleonora	CA	IAC-17.B4.1.12
Marques, Rui	CA	IAC-17.D5.3.3
Marre, Samuel	CA	IAC-17.A2.4.2
Marre, Samuel	CA	IAC-17.A2.6.1
Martella, Paolo	A	IAC-17.A3.3A.3
Martelo, Antonio	A	IAC-17.D1.4A.4
Marti, Paula	CA	IAC-17.B5.2.6
Martin, Annie	A	IAC-17.E5.2.1
Martin, Didier	CA	IAC-17.B1.3.2
Martin, Johannes	CA	IAC-17.A1.7.6
Martin, Thierry	CA	IAC-17.A3.4A.9
Martin, Tom	A	IAC-17.C4.1.10
Martin, Tom	A	IAC-17.C4.3.1
Martin Fischer, Philipp	CA	IAC-17.A7.IP.5
Martinez, Esteban	CA	IAC-17.B4.1.11
Martinez, Larry	A	IAC-17.E7.2.7
Martinez, Peter	CA	IAC-17.B2.5.7
Martinez, Peter	A	IAC-17.E3.4.1
Martinez, Peter	CA	IAC-17.C2.6.4
Martinez, Peter	CA	IAC-17.D5.2.9
Martinez, Peter	CA	IAC-17.A3.IP.44
Martinez, Peter	CA	IAC-17.E7.7-B3.8.8
Martinez Gonzalez, Ariadna	A	IAC-17.B1.5.12
Martinez Oliveira, David	CA	IAC-17.A5.1.7
Martinez-Frias, Jesus	CA	IAC-17.A3.IP.30
Martinez-Gonzalez, Xavier	CA	IAC-17.B3.5.4
Martinez-Rubi, Yadienka	CA	IAC-17.C2.8.12
Martini, Dario	A	IAC-17.A1.4.6
Martino, Michele	CA	IAC-17.B6.1.11
Martucci, Adolfo	CA	IAC-17.C2.4.9
Martucci, Giovanni	CA	IAC-17.B6.1.11
Martín, Javier	CA	IAC-17.B2.5.3
Martín-Torres, Javier	CA	IAC-17.A2.3.6
Marx, Michael	CA	IAC-17.C1.6.12
Marzioli, Paolo	A	IAC-17.B2.3.3
Marzioli, Paolo	CA	IAC-17.D6.3.5
Marzioli, Paolo	CA	IAC-17.E1.IP.32
Marzioli, Paolo	CA	IAC-17.A6.10-B4.10.8
Marzo, Cosimo	CA	IAC-17.A6.IP.12
Marée, Hugo	CA	IAC-17.E1.5.3
Masali, Melchiorre	CA	IAC-17.A2.IP.1
Masali, Melchiorre	CA	IAC-17.A3.IP.1
Mascetti, Gabriele	CA	IAC-17.A1.3.3
Mascetti, Gabriele	A	IAC-17.A1.4.9
Mascetti, Gabriele	CA	IAC-17.B3.9-GTS.2
Mascetti, Gabriele	CA	IAC-17.A1.IP.26
Mascetti, Gabriele	CA	IAC-17.B3.IP.4
Masdemont, Josep J.	CA	IAC-17.C1.8.2
Mashtakov, Yaroslav	A	IAC-17.C1.2.3
Masillo, Silvia	A	IAC-17.A6.9.5
Masillo, Silvia	CA	IAC-17.E1.IP.32
Masillo, Silvia	CA	IAC-17.A6.10-B4.10.8
Mason-Smith, Nicholas	CA	IAC-17.C4.1.13
Mason-Smith, Nicholas	CA	IAC-17.E1.4.7
Mason-Smith, Nicholas	A	IAC-17.C4.IP.19
Massa, Gioia	CA	IAC-17.A1.IP.4
Massau, Christoph	CA	IAC-17.B3.4-B6.5.5
Massimiani, Chiara	CA	IAC-17.B4.1.8
Massimiani, Chiara	CA	IAC-17.B4.6B.3
Massimiani, Chiara	CA	IAC-17.B6.3.12
Massobrio, Federico	CA	IAC-17.A1.4.9
Massobrio, Federico	CA	IAC-17.D2.6.3
Masson, Frederic	A	IAC-17.D2.8-A5.4.2
Masson-Zwaan, Tanja	A	IAC-17.E7.2.12
Massuti Ballester, Bartomeu	CA	IAC-17.C2.IP.6
Masterova, Kseniya	CA	IAC-17.A1.2.15
Mastrandrea, Carmine	CA	IAC-17.B1.3.4
Mastrogiuseppe, Marco	CA	IAC-17.B3.IP.4
Masuda, Koichi	CA	IAC-17.A3.2B.4
Masutti, Davide	A	IAC-17.B4.2.5
Mata Calvo, Ramon	CA	IAC-17.B2.4.2
Matarazzi, Carolina	CA	IAC-17.E5.IP.13
Matey, Ernest	CA	IAC-17.E1.IP.21
Mathers, Naomi	CA	IAC-17.A7.2.2
MATHIS, Kévin	A	IAC-17.E1.3.9
Mathisen, Stian Vik	CA	IAC-17.E1.4.8
Matloff, Gregory	A	IAC-17.D4.4.6
Matney, Mark	CA	IAC-17.A6.2.1
Matos de Carvalho, Tiago Henrique	A	IAC-17.D1.6.6
Matousek, Steve	A	IAC-17.D1.4B.5
Matschey, Yvonne	CA	IAC-17.E1.3.12
Matsumoto, Jun	CA	IAC-17.C2.2.11
Matsushita, Koji	CA	IAC-17.B4.2.1
Matsuzaki, Ichiyo	CA	IAC-17.A1.1.8
Matsuzaki, Ichiyo	CA	IAC-17.A1.IP.18
Matthews, Michael	CA	IAC-17.B4.2.1

Matus, Galyna	CA	IAC-17.E8.1.2
Matveev, Anton	CA	IAC-17.E2.3-GTS.4.3
Matviyenko, Sergiy	A	IAC-17.B1.3.6
Matyszewski, Jan	CA	IAC-17.A2.5.2
Matéo-Vélez, Jean-Charles	CA	IAC-17.D5.3.5
Maurer, Matthias	CA	IAC-17.A5.IP.6
Mauro, Stefano	CA	IAC-17.D2.3.4
Mauro, Stefano	CA	IAC-17.A6.IP.21
Maxence, Didier	A	IAC-17.C4.6.3
Maxence, Didier	CA	IAC-17.C4.8-B4.5A.4
Mayence, Jean-François	A	IAC-17.E7.2.9
Mayer, Hannes	A	IAC-17.E4.2.2
Mayorga-Espinoza, Carlos	CA	IAC-17.A2.3.10
Mayorova, Vera	CA	IAC-17.E1.IP.13
Mazanek, Dan	CA	IAC-17.B3.1.7
Mazurek, Jacek	CA	IAC-17.A2.5.2
Mazza, Andrea	CA	IAC-17.C2.7.1
Mazzola, Luca	A	IAC-17.C2.5.11
Mazzoleni, Andre	CA	IAC-17.A3.5.2
Mazzoleni, Andre	CA	IAC-17.C4.6.12
Mazzoleni, Andre	CA	IAC-17.C4.7-C3.5.11
Mazzotta, Daniele Giuseppe	CA	IAC-17.A3.2C.10
Mbuthia, Mwangi	CA	IAC-17.B4.1.12
McAdams, James	CA	IAC-17.A5.2.4
McAdams, James V.	CA	IAC-17.E4.1.3
McAlister, Philip	A	IAC-17.D6.1.2
McAvinia, Ruth	CA	IAC-17.E1.9.7
McAvinia, Ruth	A	IAC-17.E4.3B.4
McBarron, Kelsey	CA	IAC-17.D3.2.8
McCann, Troy	A	IAC-17.E6.IP.6
McCormack, Craig	A	IAC-17.E5.1.1
McCormack, Craig	A	IAC-17.E5.1.5
McCormack, Craig	A	IAC-17.E5.IP.9
McCurdy, Ross	CA	IAC-17.B4.2.1
McGrath, Michael	CA	IAC-17.A3.3A.2
McGregor, Carolyn P	CA	IAC-17.A3.IP.11
McHenry, Neil	CA	IAC-17.A1.3.6
McHenry, Neil	A	IAC-17.E1.6.13
McIntyre, Alexis	CA	IAC-17.B6.IP.3
McIntyre, Stuart	CA	IAC-17.B1.6.1
Mckellar, Marshall	CA	IAC-17.D2.7.12
Mckellar, Marshall	A	IAC-17.E6.1.1
McKenna-Lawlor, Susan	CA	IAC-17.E7.1.16
McKenna-Lawlor, Susan	A	IAC-17.A1.6.2
McKenna-Lawlor, Susan	CA	IAC-17.D4.5.7
McKilliam, Robby	CA	IAC-17.E8.1.1
McKnight, Darren	A	IAC-17.B2.4.3
McKnight, Darren	A	IAC-17.A6.2.1
McMaster, Thomas	A	IAC-17.A6.10-B4.10.3
McMaster, Thomas	A	IAC-17.C2.IP.40
McNeill, Robin	A	IAC-17.C2.9.5
McNutt, Ralph	CA	IAC-17.B6.1.7
McNutt, Jr., Ralph L.	A	IAC-17.A7.2.6
McNutt, Jr., Ralph L.	A	IAC-17.A5.IP.10
McSweeney, Adam	A	IAC-17.D4.4.2
McSweeney, Adam	CA	IAC-17.E2.3-GTS.4.5
McSweeney, Adam	CA	IAC-17.A5.2.6
McSweeney, Adam	CA	IAC-17.A5.1.12
McSweeney, Adam	CA	IAC-17.D4.3.11
McSweeney, Adam	CA	IAC-17.A3.2C.11
McVey, John	A	IAC-17.A6.9.2
Md. Yusoff, Siti Harwani	CA	IAC-17.E2.2.5
Mechentel, Flora	A	IAC-17.C4.8-B4.5A.9
Medaglia, Emanuele	A	IAC-17.D3.3.7
Mederos Leber, Diego	CA	IAC-17.E1.3.12
Medina, Elizabeth	CA	IAC-17.B3.4-B6.5.1
Meftah, Khalid	CA	IAC-17.B4.1.8
Mehall, Greg	CA	IAC-17.A3.3B.4
Mehall, Greg	CA	IAC-17.A3.IP.11
Mehboob, Azam	A	IAC-17.B2.2.2
Mehboob, Azam	CA	IAC-17.B2.7.10
Mehta, Manish	A	IAC-17.D1.5.5
Mei, Zhiwu	CA	IAC-17.A7.3.12
Meier, Anne	CA	IAC-17.A1.1.7
Meikle, Alexander	CA	IAC-17.D1.1.9
Meinert, Tobias	CA	IAC-17.D1.6.8
Melendres Claros, Pablo	CA	IAC-17.E8.1.3
Melf, Markus	CA	IAC-17.B1.3.2
Melis, Andrea	A	IAC-17.A4.1.8
Mellab, Karim	CA	IAC-17.D5.3.3
Melloni, Sara	CA	IAC-17.B6.3.7
Mellor, Ian	CA	IAC-17.D4.5.4
Melo Souza, Carlos Henrique	CA	IAC-17.B4.5.13
Melone, Davide	CA	IAC-17.E6.1.7
Melone, Davide	A	IAC-17.E6.IP.4
Melton, Robert G.	A	IAC-17.C1.2.2
Mendes, Ricardo	CA	IAC-17.B1.IP.1
Meng, Bai	A	IAC-17.B6.2.8
Meng, Hua	CA	IAC-17.C4.IP.3
Meng, Wei	CA	IAC-17.B2.4.8
Mengu, Cho	CA	IAC-17.E1.5.7
Mengu, Cho	CA	IAC-17.E3.4.7
Mengu, Cho	CA	IAC-17.E1.IP.21
Menini, Stefano Umberto	CA	IAC-17.A5.2.6
Menini, Stefano Umberto	CA	IAC-17.A5.1.12
Menini, Stefano Umberto	CA	IAC-17.D4.3.11
Menini, Stefano Umberto	CA	IAC-17.A3.2C.11
Menkin, Evgeny	CA	IAC-17.B3.4-B6.5.2
Menkin, Evgeny	CA	IAC-17.B3.4-B6.5.12
Menzio, Davide	A	IAC-17.C1.IP.11
Mercier, Gaétan	CA	IAC-17.B1.IP.7
Mercurio, Michael	CA	IAC-17.A6.9.10
Merino, Juan	CA	IAC-17.D2.5.11
Merri, Mario	CA	IAC-17.B2.6.3
Meschede, Thomas	CA	IAC-17.D1.3.11
Meskoob, Behnoosh	CA	IAC-17.A5.2.9
Meskoob, Behnoosh	CA	IAC-17.B3.IP.12
Messina, Maria	CA	IAC-17.A6.8.4
Messina, Piero	A	IAC-17.A3.1.2
Messina, Piero	CA	IAC-17.E4.1.7
Messina, Piero	CA	IAC-17.D3.1.7
Messineo, Rosario	CA	IAC-17.B6.1.11
Mestry, Samiksha	CA	IAC-17.C4.8-B4.5A.4
Metris, Gilles	CA	IAC-17.A2.1.7
Meurisse, Alexandre	CA	IAC-17.A3.2C.2
Meurisse, Alexandre	CA	IAC-17.C2.9.13
Meusel, Peter	CA	IAC-17.A3.IP.31
Meusy, Nathalie	A	IAC-17.E1.IP.18
Meyer, Anne	CA	IAC-17.A3.IP.17
Meyer, Jan-Christian	CA	IAC-17.A6.4.6
Meyer, Jan-Christian	A	IAC-17.A6.4.7
Meyer, Sebastian	CA	IAC-17.C2.2.3
Meyer, Sebastian	CA	IAC-17.A6.IP.14
Mezyk, Lukasz	A	IAC-17.C4.10.9
MG, Chandrasekhar	CA	IAC-17.B2.2.3
MIAO, Jianyin	CA	IAC-17.C2.7.11
Miao, Xin	CA	IAC-17.C2.7.3
Miao, Yinxiao	CA	IAC-17.C2.8.6
Miars, Grant	CA	IAC-17.B4.2.4
Micciche', Piersante	CA	IAC-17.D5.1.8
Micela, Giusi	CA	IAC-17.A7.2.4
Michaloudis, Ioannis	A	IAC-17.E5.3.2
Michel, Alice	CA	IAC-17.B3.3.3
Michel, Alice	A	IAC-17.B6.3.9
Micheli, Davide	CA	IAC-17.C2.6.2
Micheli, Davide	CA	IAC-17.A6.IP.39
Micheli, Davide	CA	IAC-17.C2.7.6
Mierheim, Olaf	CA	IAC-17.D3.2.7
Mierheim, Olaf	CA	IAC-17.A3.4A.8
Mierheim, Olaf	CA	IAC-17.C2.7.9
Migeotte, Pierre-François	A	IAC-17.A1.2.11
Mignone, Claudia	A	IAC-17.E1.9.7
MIGNOT, Jean	A	IAC-17.A2.6.2
Migoni, Carlo	CA	IAC-17.A4.1.8
Mihara, Shoichiro	A	IAC-17.C3.2.9
Mihnea Eduard, Ion	CA	IAC-17.B2.7.5
Mijovic, Milan	A	IAC-17.E7.1.7
Mikhailyuk, Mikhail	CA	IAC-17.A2.2.6
Milani Comparetti, Andrea	CA	IAC-17.A3.5.4
Milillo, Anna	CA	IAC-17.B4.8.2

Miljković, Katarina	A	IAC-17.A7.2.1
Miljković, Katarina	CA	IAC-17.A3.2B.8
Millard, Jon	CA	IAC-17.D2.3.2
Miller, Alexander	A	IAC-17.A1.5.2
Miller, Matthew	A	IAC-17.B3.7.6
Milne, Tony	A	IAC-17.B1.1.4
Milova, Praskovia	CA	IAC-17.E6.2.11
Milova, Praskovia	CA	IAC-17.B1.IP.20
Milstein, Oren	CA	IAC-17.A1.5.7
Milz, Mathias	CA	IAC-17.E1.4.3
Milza, Fabiana	CA	IAC-17.E6.1.1
Mimasu, Yuya	CA	IAC-17.A3.3A.5
Mimasu, Yuya	CA	IAC-17.A3.4A.9
Min, Yuan	CA	IAC-17.A1.2.12
Minchin, Stuart	CA	IAC-17.B1.6.1
Mindermann, Pascal	CA	IAC-17.B1.IP.3
Mindock, Jennifer	CA	IAC-17.D1.4B.1
Mindock, Jennifer	CA	IAC-17.A1.IP.21
Mingireanu, Florin	A	IAC-17.D2.6.4
Mingireanu, Florin	A	IAC-17.D2.6.5
Mintchev, Stefano	CA	IAC-17.E2.3-GTS.4.4
Mintus, Agata	CA	IAC-17.B3.9-GTS.2.9
Mione, Michele	A	IAC-17.C2.IP.6
Mirino, Melissa	A	IAC-17.E1.7.4
Mirino, Melissa	A	IAC-17.A5.IP.16
Mirino, Melissa	CA	IAC-17.B3.IP.13
Mirji, Shreyas	CA	IAC-17.C4.7-C3.5.4
Mirra, Carlo	CA	IAC-17.B3.7.2
Mishra, Aditya	A	IAC-17.D4.1.4
Mishra, Aditya	CA	IAC-17.D4.1.11
Mishra, Aditya	CA	IAC-17.A3.IP.28
Mishra, Aditya	A	IAC-17.D2.IP.20
Mishurova, Natalia V.	A	IAC-17.B3.4-B6.5.10
Misko, Samuel	CA	IAC-17.D1.IP.8
Misra, Arun	CA	IAC-17.D4.3.15
Mitin, Andrey	CA	IAC-17.C2.1.11
Mitra, Patralekha	CA	IAC-17.E1.IP.10
Mitry, Mina	CA	IAC-17.B4.7.12
Mitschdoerfer, Pia	CA	IAC-17.A3.3A.8
Mitsugi, Jin	A	IAC-17.C2.1.3
Mitsuishi, Ikuyuki	A	IAC-17.B4.2.1
Miura, Akira	CA	IAC-17.B6.3.1
Miura, Masashi	CA	IAC-17.E1.IP.31
Miyachi, Akihira	CA	IAC-17.C2.8.11
Miyamoto, Ousei	A	IAC-17.C2.4.5
Miyata, Kikuko	CA	IAC-17.B4.2.1
Miyazaki, Yasuyuki	CA	IAC-17.C2.3.2
Mizoguchi, Takehiko	CA	IAC-17.C4.1.12
Mo, Yanan	CA	IAC-17.A7.3.12
Moalem, Meir	CA	IAC-17.B6.2.1
Mochizuki, Kazunori	CA	IAC-17.D2.4.6
Modi, Neil	CA	IAC-17.E3.2.11
Moeller, Hermann Ludwig	CA	IAC-17.B2.8-GTS.3.2
Moeller, Ralf	CA	IAC-17.A1.6.8
Mogul, Rakesh	CA	IAC-17.E1.7.8
Mohamed Thaheer, Ahmad Shaqeer	A	IAC-17.E2.2.5
Mohammed, Eman	CA	IAC-17.A3.IP.39
Mohanty, Susmita	CA	IAC-17.B1.5.4
Mohtar, Tharek	A	IAC-17.D2.3.4
Moiseev, Nikolay	CA	IAC-17.B3.2.6
Moisio, Daria	CA	IAC-17.D1.1.9
Molette, Pierre	A	IAC-17.B4.9-GTS.5.1
Molgat Laurin, Simon	CA	IAC-17.B2.7.4
Molin, Sven	CA	IAC-17.E1.4.3
MOLINA, Marco	CA	IAC-17.A3.2B.7
MOLINA, Marco	CA	IAC-17.B1.3.4
MOLINA, Marco	CA	IAC-17.A3.5.3
Moloney, Michael	A	IAC-17.A7.1.5
Molotkov, Vladimir	CA	IAC-17.A2.6.8
Molotov, Igor	A	IAC-17.A6.1.3
Monaco, Federico	CA	IAC-17.A3.IP.1
Monakhova, Ul'yana	CA	IAC-17.B4.7.10
Mondkar, Sakshi	CA	IAC-17.D4.5.14
Monette, Maxime	CA	IAC-17.C4.7-C3.5.10
Monfils, Jean	CA	IAC-17.A1.2.11
Monge, Luis	CA	IAC-17.B4.1.11
Monge, Luis	A	IAC-17.E6.1.11
Monge, Luis	CA	IAC-17.E1.5.11
Monowar, Maisun Ibn	A	IAC-17.B4.9-GTS.5.3
Monserrat Filho, José	CA	IAC-17.E7.7-B3.8.10
Monserrat-Filho, José	A	IAC-17.E7.5.6
Montag, Christoph	A	IAC-17.A6.IP.4
Montalbano, Joel	A	IAC-17.B3.1.6
Monter, Mason	CA	IAC-17.D2.4.11
Mooij, Erwin	CA	IAC-17.C2.3.7
Moon, Sangman	A	IAC-17.B2.IP.1
Moore, Christopher	A	IAC-17.B4.8.3
Mora Portela, Darío	CA	IAC-17.A6.5.1
Moradi, Lee	CA	IAC-17.D1.IP.8
Morakinyo, Oluwatoyin	CA	IAC-17.E1.2.9
Moral, Andoni	CA	IAC-17.A3.3B.6
Moral, Pablo	A	IAC-17.C1.7.5
More, Niharika	CA	IAC-17.B4.9-GTS.5.8
Moreels, Philippe	CA	IAC-17.B1.2.4
Morel de Westgaver, Eric	CA	IAC-17.B3.1.4
Moretti, Nicholas	CA	IAC-17.A6.1.4
Moretti, Nicholas	A	IAC-17.A6.7.6
Morfei, Davide	CA	IAC-17.A6.9.5
Morfei, Davide	CA	IAC-17.E1.IP.32
Morfei, Davide	CA	IAC-17.A6.10-B4.10.8
Morgan, Eleanor	A	IAC-17.A1.4.3
Morgan, Tristan	CA	IAC-17.E5.1.1
Mori, Osamu	A	IAC-17.C2.2.11
Mori, Osamu	CA	IAC-17.D1.3.6
Mori, Osamu	CA	IAC-17.C2.5.8
Mori, Rintaro	CA	IAC-17.A1.IP.18
Morimoto, Hitoshi	CA	IAC-17.A3.2B.4
Morin, Antoine	CA	IAC-17.B2.3.4
Morita, Yasuhiro	CA	IAC-17.D2.1.6
Morita, Yasuhiro	CA	IAC-17.C1.4.4
Moro, Laura	CA	IAC-17.A1.IP.26
Morozov, Yegor	A	IAC-17.A1.7.3
Morrell, Benjamin	CA	IAC-17.E1.6.13
Morrell, Benjamin	CA	IAC-17.B6.IP.3
Morrell, Benjamin	CA	IAC-17.B6.2.12
Morrell, Benjamin	CA	IAC-17.B6.3.3
Morrell, Benjamin	A	IAC-17.E1.2.13
Morrow, Robert	CA	IAC-17.A1.IP.4
Morsbøl, Jonas	CA	IAC-17.D1.1.2
Morsbøl, Jonas	CA	IAC-17.C4.6.5
Morten Berge, Tom	A	IAC-17.E6.3.4
Mosciarello, Paolo	CA	IAC-17.B1.3.4
Moseman, Travis	CA	IAC-17.A5.1.4
Mostert, Sias	CA	IAC-17.B4.1.2
Mould, Toby	A	IAC-17.E2.3-GTS.4.1
Mould, Toby	CA	IAC-17.B5.1.4
Mousavinia, Yalda	A	IAC-17.D4.1.10
Mousavinia, Yalda	A	IAC-17.D5.2.8
Mousavinia, Yalda	A	IAC-17.A5.IP.7
Moussi, Aurélie	CA	IAC-17.A3.4A.8
Moussi, Aurélie	A	IAC-17.A3.4A.9
Mozzetti Monterumici, Elena	CA	IAC-17.E2.1.4
Muecklich, Frank	CA	IAC-17.A1.6.8
Muehlbauer, Quirin	CA	IAC-17.A3.3B.1
Mueller, Daniel	CA	IAC-17.A1.6.8
Mueller, Norman	CA	IAC-17.B1.6.1
Mueller, Robert	A	IAC-17.E5.1.10
Mueller, Robert	A	IAC-17.D3.2.1
Mueller, Robert	A	IAC-17.D3.2.4
Mueller, Thomas	A	IAC-17.B3.4-B6.5.4
Muffatti, Angus	CA	IAC-17.C4.IP.7
Mugellesi-Dow, Roberta	CA	IAC-17.D5.2.5
Mugellesi-Dow, Roberta	A	IAC-17.E3.6.11
Mugnuolo, Raffaele	CA	IAC-17.B3.IP.4
Muirhead, Brian	CA	IAC-17.B3.1.7
Mukadam, Mouzzam Mehmood	CA	IAC-17.A2.IP.1
Mukai, Chiaki	CA	IAC-17.E1.3.10
Mukherjee, Bhaskar	A	IAC-17.A1.5.4
Mukherjee, Bijoy K.	CA	IAC-17.C1.4.10
Mukherjee, Sumana	CA	IAC-17.B3.IP.12
Mukherji, Raja	CA	IAC-17.A3.3B.12
Muller, Catherine	CA	IAC-17.A6.8.6
Muller, Michael	CA	IAC-17.B6.2.12
Mundt, Christian	CA	IAC-17.C2.6.6
Mundt, Christian	CA	IAC-17.C2.7.7
Mungiguerra, Stefano	CA	IAC-17.D2.6.2
Murakami, Naomi	CA	IAC-17.C1.5.6
Muraki, Yusuke	A	IAC-17.B1.1.7
Muranova, Aleksandra	CA	IAC-17.A1.IP.35
Muraro, Paolo	CA	IAC-17.D1.1.9
Muravlev, Viatcheslav	CA	IAC-17.C4.4.5
Murbach, Marcus	CA	IAC-17.B4.9-GTS.5.10
Murbach, Marcus	CA	IAC-17.B4.6B.4
Murgia, Matteo	CA	IAC-17.A4.1.8
Muriuki, Maryanne	A	IAC-17.E1.1.3
Murphy, Jonathan	CA	IAC-17.D1.4B.5
Murphy, Tony	A	IAC-17.E1.8.4
Murray, Neil	CA	IAC-17.A3.2B.10
Murray-Krezan, Jeremy J.	CA	IAC-17.A6.1.7
Murrow, David	CA	IAC-17.A1.5.7
Murtazin, Rafail	A	IAC-17.B3.4-B6.5.2
Murtazin, Rafail	CA	IAC-17.A5.1.2
Murthi, K.R. Sridhara	CA	IAC-17.E3.1.8
Murthi K. R., Sridhara	CA	IAC-17.B3.1.9
Murthi K. R., Sridhara	A	IAC-17.E3.3.4
Murthi K. R., Sridhara	CA	IAC-17.E3.6.9
Murthy, Rohan	CA	IAC-17.D3.3.11
Muscatello, Anthony	CA	IAC-17.B3.7.10
Muscolo, Federica	CA	IAC-17.E5.IP.13
MUSHTAQ, Tahir	CA	IAC-17.B6.1.10
MUSHTAQ, Tahir	CA	IAC-17.B4.3.7
Mushtaq, Tahir	A	IAC-17.D5.2.12
Mushtaq, Tahir	A	IAC-17.B5.1.6
Musilova, Michaela	A	IAC-17.A3.2B.8
Musilova, Michaela	CA	IAC-17.E5.3.11
Musilova, Michaela	CA	IAC-17.E1.IP.33
Musiolik, Gregor	CA	IAC-17.E1.3.12
Musso, Paolo	A	IAC-17.A4.2.3
Muylaert, Jean	CA	IAC-17.B4.2.5
Muzi, Danilo	A	IAC-17.B1.2.2
Muñoz, Eduardo	A	IAC-17.D1.1.7
Mwangi, Charles	CA	IAC-17.B4.1.12
Mykhalchyshyn, Roman	A	IAC-17.A3.IP.19
Mäusli, Pierre-Alain	CA	IAC-17.A6.6.5
Métrailler, Lionel	A	IAC-17.A6.1.5
Müller, Andreas	CA	IAC-17.B1.6.3
Müntinga, Hauke	CA	IAC-17.A2.3.2

N

Name	Role	Paper
N M, Vishwas	CA	IAC-17.A6.4.4
Nader, David	CA	IAC-17.E6.3.9
Nader, Ronnie	CA	IAC-17.E1.IP.14
Nader Kawassaki, Guilherme	CA	IAC-17.D1.4A.1
Naderi, Firouz	CA	IAC-17.A7.1.6
Naderi, Mahyar	CA	IAC-17.B2.7.13
Nag, Rohan	A	IAC-17.C3.4.5
Nag, Sreeja	A	IAC-17.D1.4B.2
Nagai, Yuichiro	A	IAC-17.E3.1.8
Nagano, Kenji	CA	IAC-17.C3.2.9
Nagasaka, Yuji	CA	IAC-17.C2.8.11
Nagasaka, Yuji	CA	IAC-17.C2.9.12
Nagasaki, Akane	A	IAC-17.C4.3.10
Nagata, Hiroyuki	CA	IAC-17.D2.2.3
Nair, Sarath Chandran	CA	IAC-17.C4.5.8
Nair, Shabarinath	A	IAC-17.A7.IP.7
Nair, Shabarinath	A	IAC-17.B1.5.4
Najati, Nayla	CA	IAC-17.B6.IP.4
Naji, Mohammad	CA	IAC-17.A3.IP.39
Nakajima, Shintaro	A	IAC-17.D1.2.11
Nakamiya, Masaki	A	IAC-17.E1.3.4
Nakamura, Ryo	CA	IAC-17.D2.2.4
Nakamura, Shuji	CA	IAC-17.C3.2.9
Nakamura, Takahiro	CA	IAC-17.D2.7.6
Nakamura, Takuma	CA	IAC-17.C2.2.11
Nakano, Nobuyuki	CA	IAC-17.C4.2.2
Nakano, Shinya	CA	IAC-17.B4.2.1
Nakashima, Kenji	A	IAC-17.D4.3.6
Nakasuka, Shinichi	CA	IAC-17.D1.2.11
Nakasuka, Shinichi	CA	IAC-17.B6.2.4
Nakaya, Daiki	A	IAC-17.B4.7.5
Nakazono, Barry	CA	IAC-17.A3.3B.8
Nakazono, Barry	CA	IAC-17.C4.8-B4.5A.8
Naletto, Giampiero	CA	IAC-17.A7.2.11
Naletto, Giampiero	CA	IAC-17.B3.IP.4
Nali, Pietro	CA	IAC-17.C2.1.4
NAM, CHANG HO	A	IAC-17.C4.1.6
Nambu, Yohsuke	CA	IAC-17.C2.5.4
Nambu, Yohsuke	A	IAC-17.E1.IP.31
NAN, Xiangyi	CA	IAC-17.C4.9.5
Nanda kumar, Kathayayani	CA	IAC-17.C2.IP.12
Naor, Roy	CA	IAC-17.E5.3.11
Napiorkowska, Milena	CA	IAC-17.B5.2.6
Napolitano, Ermanno	A	IAC-17.E7.4.10
Nardone, Valentina	A	IAC-17.E7.1.9
Nardone, Valentina	CA	IAC-17.E7.3.5
Narici, Livio	A	IAC-17.A1.4.2
Narici, Livio	CA	IAC-17.B3.9-GTS.2
Narlely, Judin	CA	IAC-17.B1.IP.9
Nascimento, Jorge	A	IAC-17.D1.IP.17
Nascimento, Jorge	A	IAC-17.D4.3.12
Nash, Victoria	CA	IAC-17.A3.2C.8
Nasser, Mona	CA	IAC-17.A1.2.14
Nasseri, Seyed Ali	CA	IAC-17.E1.5.14
Nasseri, Seyed Ali	A	IAC-17.D5.2.2
Nasseri, Seyed Ali	A	IAC-17.C2.8.8
Nassisi, Annamaria	A	IAC-17.E3.3.2
Natarajan, Rajesh	A	IAC-17.C4.IP.8
Nath, Abhijit	A	IAC-17.A4.1.9
Nath, Rajashree	CA	IAC-17.E1.IP.28
Naughton, Denis	CA	IAC-17.B2.IP.14
Naughton, Denis	CA	IAC-17.D5.4.4
Naughton, Denis	CA	IAC-17.B2.7.2
Naumann, Walter	CA	IAC-17.B3.3.4
Navarathinam, Nimal	CA	IAC-17.B4.4.5
Navarrini, Alessandro	CA	IAC-17.A4.1.8
Navarro Reyes, Daniel	CA	IAC-17.B2.5.3
Nayak, Swastik	CA	IAC-17.A6.4.4
Neduncheran, Adhithiyan	CA	IAC-17.B3.5.2
Neely, Andrew	CA	IAC-17.D1.3.5
Negri, Michele	CA	IAC-17.C4.1.8
Neiberlien, Henry	CA	IAC-17.E2.3-GTS.4.8
Neish, Catherine	CA	IAC-17.A5.1.11
Nema, Preeti	CA	IAC-17.E1.7.8
Nemirich, Darya	CA	IAC-17.E2.3-GTS.4.3
Neralkar, Aditya	CA	IAC-17.E2.4.1
Neri, Gianluca	CA	IAC-17.B3.9-GTS.2
Neubert, Torsten	CA	IAC-17.B6.3.9
Neumann, Nils	A	IAC-17.C1.6.12
Neumann, Patrick	A	IAC-17.B4.5.1
Neumann, Patrick	A	IAC-17.C4.4.10
Neumann, Patrick	A	IAC-17.D2.5.2
Nevenzal, Hadas	CA	IAC-17.E6.3.4
Neves, Rita	A	IAC-17.C1.7.1
Newman, Timothy	A	IAC-17.B1.4.4
Newton, Carolyn	A	IAC-17.A1.7.1
Newton, Elizabeth	CA	IAC-17.E4.1.4
Newton, Elizabeth	CA	IAC-17.D2.4.11
Newton, Elizabeth	CA	IAC-17.A1.IP.10
Newton, Elizabeth	CA	IAC-17.B1.5.11
Newton, Elizabeth	CA	IAC-17.B1.5.12
Newton, Elizabeth K.	CA	IAC-17.D2.IP.17
Ng, Yat Hei	A	IAC-17.C1.IP.32
Nguyen, Hong-Nhung	CA	IAC-17.D5.4.4
Nguyen, Hong-Nhung	CA	IAC-17.B2.7.2
Ni, Wei-Tou	CA	IAC-17.A2.1.4

Ni, Zhengzhong	CA	IAC-17.E6.1.1
Nicholas, Austin	CA	IAC-17.A5.2.3
Nichols, Kristin	A	IAC-17.C1.7.10
Nicolau, Florentina	CA	IAC-17.C1.6.8
NICOLINI, DAVIDE	CA	IAC-17.D2.2.2
Nicolini, Davide	A	IAC-17.D2.2.7
Nicolini, Gianalfredo	CA	IAC-17.A7.2.11
Nie, Jingjing	A	IAC-17.E7.4.7
Niederwieser, Tobias	A	IAC-17.A1.7.7
Niedner, Malcolm	CA	IAC-17.D1.IP.21
Nield, George	A	IAC-17.D6.1.4
Nieto Peroy, Cristóbal	A	IAC-17.B6.IP.7
Niitsu, Mayuki	CA	IAC-17.D2.2.4
Nikiforov, Alexander	CA	IAC-17.C4.IP.51
Nikitin, Valeriy	A	IAC-17.A2.2.6
Nikolasevic, Goran	CA	IAC-17.E1.7.5
Nikolasevic, Goran	A	IAC-17.E5.5.5
Nikonov, Vasily	CA	IAC-17.D4.5.15
Ning, LIU	A	IAC-17.B3.5.3
Ning, LIU	CA	IAC-17.C1.IP.8
Ninomiya, Keiken	CA	IAC-17.E8.1.1
NISAR, SAQIB	A	IAC-17.B2.4.4
Nishida, Shin-Ichiro	A	IAC-17.A6.6.2
Nishihara, Jun	CA	IAC-17.C3.2.9
Nishiyama, Kazutaka	A	IAC-17.A3.4B.7
Nishizawa, Satoru	CA	IAC-17.A1.3.12
Nix, Martin	CA	IAC-17.E3.6.7
Nix, Tamar	CA	IAC-17.A1.5.7
Noack, Daniel	A	IAC-17.B2.7.3
Noack, Michelle	A	IAC-17.E3.6.6
Noel-Storr, Jake	CA	IAC-17.E1.IP.7
Nogueira, Tiago	A	IAC-17.B6.2.3
Nohmi, Masahiro	CA	IAC-17.D2.5.13
Nohmi, Masahiro	CA	IAC-17.D3.IP.4
Nohmi, Masahiro	A	IAC-17.B4.6B.1
Nohmi, Masahiro	CA	IAC-17.D4.3.4
Nohmi, Masahiro	CA	IAC-17.D4.3.6
Nohmi, Masahiro	CA	IAC-17.D4.3.9
Nohmi, Masahiro	CA	IAC-17.D4.3.14
Nolby, Caitlin	A	IAC-17.E1.2.6
Nomura, Shunichiro	CA	IAC-17.E6.1.9
Nonaka, Satoshi	CA	IAC-17.D2.4.6
Nonaka, Satoshi	A	IAC-17.D2.5.4
Noomen, Ron	CA	IAC-17.C1.IP.29
Norheim, Johannes	A	IAC-17.D1.4A.5
Notea, Amir	CA	IAC-17.A3.IP.1
Noto, Maria Chiara	CA	IAC-17.E5.IP.13
Nottle, Alistair	CA	IAC-17.B3.6-A5.3.1
Novelli, Gabriele	CA	IAC-17.A6.5.1
Novin zadeh, Alireza	CA	IAC-17.A7.IP.2
Novozhilov, Vasily	A	IAC-17.C4.2.1
Novák, Marek	A	IAC-17.A1.3.8
Nowakowski, Pawel	CA	IAC-17.A6.5.4
Nowakowski, Pawel	CA	IAC-17.A2.5.2
Nowok, Robin	CA	IAC-17.E1.3.12
Nsengumuremyi, Vince	CA	IAC-17.B4.1.4
Nucera, Gianfranco Gabriele	CA	IAC-17.E7.2.13
Nur Awatiff, Mohd Rizal	CA	IAC-17.B1.IP.26
Nuth, Joseph A.	CA	IAC-17.A3.4B.5
Nylund, Amund	CA	IAC-17.B6.1.8
Nylund, Arne	A	IAC-17.B6.1.8

O

Name	Role	Paper
O'Brien, Brian	A	IAC-17.A3.2A.2
O'BRIEN, DENIS	A	IAC-17.B1.2.9
O'Donnell, James	A	IAC-17.C1.1.4
O'Flaherty, Karen	CA	IAC-17.E1.9.7
O'Malley, Terence	CA	IAC-17.D3.3.1
O'Neill, Siobhan	CA	IAC-17.E4.3B.4
O'Neill, William	A	IAC-17.A5.IP.11
Obase, Kimihito	CA	IAC-17.D2.4.6
Obata, Toshihiro	A	IAC-17.B6.2.4
Obilanade, Didunoluwa	A	IAC-17.C2.9.8
Obukhov, Vladimir	CA	IAC-17.C4.4.14
Ocon, Jorge	A	IAC-17.A3.2C.12
Oda, Yoshiro	A	IAC-17.A6.1.10
Ofodile, Ikechukwu	A	IAC-17.C1.1.10
Ogasawara, Ko	A	IAC-17.D2.2.4
Ogawa, Hideaki	CA	IAC-17.C4.9.15
Ogawa, Hideaki	CA	IAC-17.C4.IP.7
Ogawa, Hideaki	CA	IAC-17.A3.5.8
Ogawa, Naoko	CA	IAC-17.A3.3A.5
Ogi, Yoshiro	CA	IAC-17.C2.2.5
Ogneva, Irina	A	IAC-17.A1.8.4
Oh, Hyun-Ung	CA	IAC-17.C2.3.11
Oh, Hyun-Ung	CA	IAC-17.C2.7.8
Ohtake, Makiko	CA	IAC-17.A3.2B.4
Ohtaki, Yuh	CA	IAC-17.A1.1.8
Ohtaki, Yuh	CA	IAC-17.A1.IP.18
Ohya, Kana	A	IAC-17.C2.8.11
Oi, Yuichi	CA	IAC-17.A1.1.8
Oi, Yuichi	CA	IAC-17.A1.IP.18
Oiko, Vitor	CA	IAC-17.D1.1.2
Oiko, Vitor	CA	IAC-17.C4.6.5
Ojeda Ramirez, Oscar Ivan	CA	IAC-17.E1.IP.23
Okada, Masashi	CA	IAC-17.D2.2.3
Okada, Nobu	CA	IAC-17.A6.10-B4.10.7
Okada, Tatsuaki	CA	IAC-17.A3.4A.7
Okada, Tatsuaki	CA	IAC-17.A3.4A.8
Okada, Tatsuaki	CA	IAC-17.A3.4A.9
Okajima, Lena	A	IAC-17.E6.IP.1
Okamoto, Akira	CA	IAC-17.A6.10-B4.10.7
Okaya, Shunichi	CA	IAC-17.C4.8-B4.5A.14
Oki, Yusuke	CA	IAC-17.C2.2.11
Oki, Yusuke	CA	IAC-17.D1.3.6
Oki, Yusuke	A	IAC-17.C1.8.9
Okita, Koichi	CA	IAC-17.C4.1.3
Okita, Koichi	CA	IAC-17.C4.1.4
Okninski, Adam	CA	IAC-17.C4.3.4
Okninski, Adam	CA	IAC-17.A6.5.4
Okninski, Adam	CA	IAC-17.C4.IP.21
Okninski, Adam	CA	IAC-17.A2.5.2
Okoro, Elvis	A	IAC-17.A1.IP.14
Okuizumi, Nobukatsu	CA	IAC-17.C2.2.11
Okuyama, Kei-ichi	CA	IAC-17.A1.5.6
Okuyama, Kei-ichi	CA	IAC-17.B4.6A.10
Olakunle, Oladosu	A	IAC-17.E1.4.12
Oliveira, André	CA	IAC-17.B1.IP.1
Oliveira, Geraldo	A	IAC-17.C1.IP.4
Oliver, Carol	CA	IAC-17.E1.6.4
Oliver, Carol	A	IAC-17.A4.2.2
Oliver, Carol	CA	IAC-17.E1.IP.29
Oliver, Simon	CA	IAC-17.B1.6.1
Oliver, Suzanne	CA	IAC-17.C1.5.2
Olivieri, Lorenzo	CA	IAC-17.D1.1.4
Olivieri, Lorenzo	CA	IAC-17.E2.3-GTS.4.6
Olivieri, Lorenzo	CA	IAC-17.D1.2.10
Olivieri, Lorenzo	A	IAC-17.A2.3.5
Olivieri, Lorenzo	A	IAC-17.A6.10-B4.10.4
Olivieri, Lorenzo	CA	IAC-17.C1.9.4
Ollivier, Marc	CA	IAC-17.A7.2.4
Oloko-Oba, Mustafa	CA	IAC-17.E1.2.9
Olsen, John	CA	IAC-17.A3.IP.49
Olsen, John	CA	IAC-17.C4.IP.6
Olsen, John	CA	IAC-17.D4.5.2
Olson, Aaron	A	IAC-17.A3.IP.45
Oltrogge, Daniel	A	IAC-17.A6.2.4
Oluwafemi, Funmilola Adebisi	CA	IAC-17.A5.IP.8
Oluwatola I., Adedeji	CA	IAC-17.B1.IP.14
Omaly, Pierre	A	IAC-17.A6.4.8
Onevsky, Maxim	CA	IAC-17.A5.IP.8
Onga, Tadaoki	CA	IAC-17.C4.1.3
Ono, Go	CA	IAC-17.A3.3A.5
Onopriyenko, Evelina	CA	IAC-17.E1.IP.30
Onuki, Misuzu	A	IAC-17.E5.1.3
Onuki, Misuzu	A	IAC-17.E6.3.8
Onuki, Misuzu	A	IAC-17.D6.3.6

Opiela, John	CA	IAC-17.A6.3.6
Opperman, Ben	CA	IAC-17.C2.6.4
Oppong, Gifty	CA	IAC-17.E1.IP.19
Orlov, Oleg	A	IAC-17.A1.3.6
Orlov, Oleg	A	IAC-17.A1.4.7
Ornelas, Isabel	CA	IAC-17.D4.2.4
Ortelt, Markus	A	IAC-17.C4.10.11
ORTIZ, VICTOR HUGO	CA	IAC-17.A1.IP.20
Ortwein, Annette	CA	IAC-17.E1.2.11
Orzechowski, Leszek	CA	IAC-17.E2.1.9
Orzechowski, Leszek	CA	IAC-17.B3.9-GTS.2.9
Osborne, Barnaby	CA	IAC-17.D4.2.3
Osborne, Barnaby	A	IAC-17.B4.6B.9
Osborne, Jeffrey	CA	IAC-17.B4.7.12
Osborne, Robin	CA	IAC-17.C2.9.7
Oschwald, Michael	CA	IAC-17.C4.5.3
Oschwald, Michael	CA	IAC-17.C4.10.12
Oshima, Kenta	A	IAC-17.C1.8.8
Osinski, Gordon	A	IAC-17.B6.3.4
Ospina, Sylvia	A	IAC-17.E7.3.7
Osterloo, Mikki	CA	IAC-17.A3.IP.11
Otake, Hisashi	CA	IAC-17.A3.2B.4
Otake, Hisashi	CA	IAC-17.A3.3A.5
Otsuka, Kiyotoshi	CA	IAC-17.D4.3.6
Otsuki, Masatsugu	CA	IAC-17.A3.2A.10
Otsuki, Masatsugu	CA	IAC-17.A3.3A.5
OU, FENG	A	IAC-17.B2.1.10
OU, FENG	A	IAC-17.B3.IP.9
Ouis, Mohammed Amine	CA	IAC-17.B4.1.8
Outlaw, Ron	CA	IAC-17.C4.6.5
Outlaw, Ronald	CA	IAC-17.D1.1.2
Ovchinnikov, Alexander	CA	IAC-17.B3.4-B6.5.2
Ovchinnikov, Michael Yu	CA	IAC-17.C1.2.3
Ovchinnikov, Mikhail	CA	IAC-17.C1.7.4
Ovchinnikov, Mikhail	CA	IAC-17.B4.7.10
Oving, Bertil	A	IAC-17.D2.7.5
Ozawa, Kohei	CA	IAC-17.E6.1.9
Ozawa, Kohei	A	IAC-17.C4.IP.29
Ozawa, Yuichiro	CA	IAC-17.C3.2.9

P

Name	Role	Paper
P, Vijayaraj	CA	IAC-17.C4.IP.49
Pable, Shweta	A	IAC-17.B2.6.8
Pable, Shweta	CA	IAC-17.B2.6.9
Pable, Shweta	CA	IAC-17.B2.7.7
Pagan, Adam S.	CA	IAC-17.C2.4.2
Pagan, Adam S.	CA	IAC-17.C2.IP.6
Page, John	CA	IAC-17.A3.IP.49
Paget, Matt	CA	IAC-17.B1.6.2
Paggi, Anna	CA	IAC-17.E3.6.12
Pagnanelli, Benito	CA	IAC-17.E3.6.12
Paissoni, Christopher Andrea	CA	IAC-17.A3.2B.13
Paissoni, Christopher Andrea	CA	IAC-17.C4.6.7
Pakosz, Michal	A	IAC-17.A6.5.4
Pakosz, Michal	A	IAC-17.A2.5.2
Palac, Donald	A	IAC-17.C4.7-C3.5.6
PALAZZETTI, ROBERTO	A	IAC-17.C2.2.7
Paliya, Akash	CA	IAC-17.C3.3.9
Pallichadath, Vidhya	A	IAC-17.C4.8-B4.5A.4
Palma, Christopher	CA	IAC-17.E1.2.8
Palma, David	CA	IAC-17.B4.7.8
Palmerini, Giovanni B.	CA	IAC-17.C1.1.5
Palmerini, Giovanni B.	CA	IAC-17.C1.3.5
Palmerini, Giovanni B.	CA	IAC-17.C2.3.8
Palmerini, Giovanni B.	CA	IAC-17.D1.2.9
Palmerini, Giovanni B.	CA	IAC-17.C2.9.9
PALMIERI, DAVID	A	IAC-17.D2.2.2
Palmieri, Paolo	CA	IAC-17.C2.1.1
Palomba, Ernesto	CA	IAC-17.B4.8.2
Palumbo, Francesco	CA	IAC-17.A6.10-B4.10.9
Palumbo, Pasquale	CA	IAC-17.A3.5.3
Pambaguian, Laurent	CA	IAC-17.D3.1.7
Pan, Binfeng	CA	IAC-17.A6.5.9
Pan, Xun	A	IAC-17.A6.5.9
Panagiotoglou, George	A	IAC-17.B3.4-B6.5.11
Panagiotoglou, George	CA	IAC-17.B6.3.8
Pandele, Constantin Alexandru	CA	IAC-17.A3.4B.4
Pandele, Constantin Alexandru	CA	IAC-17.B2.7.5
Pandey, Siddharth	A	IAC-17.E1.7.8
Pandey, Siddharth	A	IAC-17.D5.3.6
PANDI, PONRAJ	CA	IAC-17.C4.IP.49
Panerati, Jacopo	CA	IAC-17.E6.1.1
Panerati, Jacopo	CA	IAC-17.C4.IP.9
Panetti, Aniceto	CA	IAC-17.A6.IP.38
Pang, Weijian	A	IAC-17.E2.4.5
Pangaro, Paul	CA	IAC-17.E5.3.1
Panicker PC, Jacob	CA	IAC-17.C4.9.6
Panicker VK, Sivarama	CA	IAC-17.C4.9.6
Panigarhi, Rudrakh	CA	IAC-17.B4.9-GTS.5.8
Panitz, Corinna	A	IAC-17.A1.6.5
Panov, Alexander	A	IAC-17.A4.1.6
Panza, Christian	CA	IAC-17.A3.2B.7
Paolinetti, Riccardo	CA	IAC-17.A3.5.3
Papadimitriou, Angeliki	CA	IAC-17.E3.1.5
Papadimitriou, Angeliki	A	IAC-17.E3.IP.15
Papanagiotou, Emmanuel	CA	IAC-17.E2.3-GTS.4.9
Papanagiotou, Emmanuel	CA	IAC-17.E2.3-GTS.4.10
Pappalardo, Raffaella	CA	IAC-17.E3.2.3
Paquet, Hugo	CA	IAC-17.B2.3.4
Paradiso, Nunzia Maria	A	IAC-17.E1.5.10
Paramasivan, Ganesh	A	IAC-17.C4.5.5
Paranjape, Mihir	CA	IAC-17.E2.4.1
Parca, Giorgia	CA	IAC-17.E5.IP.13
Parca, Giorgia	A	IAC-17.B2.8-GTS.3.4
Pardini, Carmen	A	IAC-17.A6.4.1
Pardo Spiess, Monika Johanna	CA	IAC-17.E6.2.11
Pardo Spiess, Monika Johanna	A	IAC-17.A1.IP.34
Pardos, Ignasi	CA	IAC-17.D2.2.7
PARHI, ACHUTANANDA	A	IAC-17.A3.IP.20
Pari, Pierpaolo	CA	IAC-17.A4.1.8
Pariente, Meidad	A	IAC-17.B6.2.1
Park, Daesun	CA	IAC-17.C2.8.12
Park, Hyeongjun	CA	IAC-17.C1.5.3
Park, Tae-Yong	A	IAC-17.C2.7.8
Parker, David	A	IAC-17.B3.1.4
Parker, Jeffrey	CA	IAC-17.A3.IP.11
Parks, Annette	CA	IAC-17.E6.1.1
Parks, Annette	CA	IAC-17.E4.3B.4
Parlevliet, David	CA	IAC-17.B4.8.9
Parmar, Prashant	A	IAC-17.A1.2.5
Parro, Victor	CA	IAC-17.B3.5.4
Parro, Victor	CA	IAC-17.B3.6-A5.3.1
Paschalidis, Nikolas	CA	IAC-17.A3.2A.7
Pasenau, Ludwig	A	IAC-17.E5.IP.3
Pasko, Vadym	A	IAC-17.A3.5.6
Pasko, Vadym	A	IAC-17.D4.3.7
Pasqualetto Cassinis, Lorenzo	A	IAC-17.B4.9-GTS.5.6
Pastore, Roberto	CA	IAC-17.C2.6.2
Pastore, Roberto	CA	IAC-17.A6.IP.39
Pastore, Roberto	CA	IAC-17.C2.7.6
Pastorelli, Stefano	CA	IAC-17.D2.3.4
Pastorelli, Stefano	CA	IAC-17.A6.IP.21
Paszkiewicz, Przemyslaw	CA	IAC-17.C4.10.9
Pate, Jeremiah	A	IAC-17.A3.1.8
Pate, Jeremiah	A	IAC-17.B1.IP.29
Patel, Amul	CA	IAC-17.D1.5.5
Patel, Chirag	CA	IAC-17.A1.5.7
Patel, Divyesh	CA	IAC-17.A5.IP.8
Patel, Kamplesh	CA	IAC-17.D1.5.5
Pathak, Kautilya	CA	IAC-17.D1.5.5
Pathak, Shashank	CA	IAC-17.D4.1.4
Pathak, Shashank	CA	IAC-17.D4.1.11
Pathak, Shashank	CA	IAC-17.B3.2.8
Pathak, Shashank	CA	IAC-17.A3.IP.28
Pathak, Shashank	CA	IAC-17.D2.IP.20
Pathak, Shashank	CA	IAC-17.E1.IP.15

Pathak, Shashank	CA	IAC-17.C4.7-C3.5.2
Pathak, Shashank	CA	IAC-17.D4.4.7
Patil, Himanshu	CA	IAC-17.B2.2.3
Patrick, Mikaela	A	IAC-17.E5.3.5
Patten, Norah	A	IAC-17.E6.1.1
Pattyn, Nathalie	CA	IAC-17.B3.IP.1
Patzelt, Aicke	A	IAC-17.D2.5.11
Paudel, Saurav	CA	IAC-17.E1.3.6
Paul, Robert	CA	IAC-17.A3.3B.1
Paulsen, Katrin	CA	IAC-17.A1.8.9
Pauly, Kristian	CA	IAC-17.B2.2.5
Pavarin, Daniele	CA	IAC-17.C4.8-B4.5A.3
Pavesi, Giulia	A	IAC-17.E7.1.13
Pavesi, Sara	A	IAC-17.C2.4.2
Pavia, Patrizio	CA	IAC-17.A6.4.5
Pavlik, Jiri	A	IAC-17.A7.3.11
Pawlina, Bryan	A	IAC-17.C3.4.2
Paxton, Larry	A	IAC-17.B5.2.3
Payson, Dmitry	A	IAC-17.E6.1.3
Payson, Dmitry	CA	IAC-17.E6.2.7
Payson, Dmitry	A	IAC-17.E3.IP.10
Peacock, Wayne	CA	IAC-17.B4.4.3
Peacocke, Lisa	A	IAC-17.A3.3B.10
Peacocke, Patrick Tully	CA	IAC-17.B1.2.3
Pearce, Sarah	A	IAC-17.A7.1.1
Pearson, Matt	CA	IAC-17.B6.1.1
Peek, Kenneth	CA	IAC-17.E1.1.8
Peer, Mohamed Makthoum	CA	IAC-17.A3.2C.2
Peer Mohamed, Mohamed Makthoum	CA	IAC-17.C2.9.13
Pegg, Katherine	A	IAC-17.B3.4-B6.5.5
Pegg, Katherine	CA	IAC-17.B4.5.1
Pei, Yin	CA	IAC-17.D3.3.6
Peklevskiy, Andrey	CA	IAC-17.B3.3.2
Pell, Sarah Jane	A	IAC-17.B3.9-GTS.2
Pell, Sarah Jane	A	IAC-17.E1.9.10
Pellacani, Andrea	A	IAC-17.C1.3.1
Pellacani, Andrea	CA	IAC-17.C1.3.9
Pellacani, Andrea	CA	IAC-17.A3.4B.10
Pellegrina, Leonardo	CA	IAC-17.E2.3-GTS.4.6
Pellegrini, Rocco C.	CA	IAC-17.D2.IP.22
Pellegrino, Alice	CA	IAC-17.B2.3.3
Pellegrino, Alice	CA	IAC-17.A6.9.5
Pellegrino, Alice	CA	IAC-17.E1.IP.32
Pellegrino, Alice	A	IAC-17.A6.10-B4.10.8
Pellegrino, Joseph	CA	IAC-17.B5.1.4
Pellegrino, Massimo	A	IAC-17.E3.1.1
Pellet, Michael	CA	IAC-17.E2.3-GTS.4.4
Pellizzoni, Alberto	CA	IAC-17.A4.1.8
Peltz, Leora	CA	IAC-17.B3.7.5
Pendurkar, Sumedh	CA	IAC-17.B2.6.8
Pendurkar, Sumedh	CA	IAC-17.B2.6.9
Pendurkar, Sumedh	CA	IAC-17.B2.7.7
Peng, Chao	CA	IAC-17.A3.IP.26
Peng, Chao	A	IAC-17.C1.IP.23
Peng, Yuming	CA	IAC-17.A3.1.6
Peng, Zhihui	CA	IAC-17.C3.3.4
Pengfei, Wu	CA	IAC-17.B1.2.10
Penning, Chris	A	IAC-17.B1.5.6
Penny, Robert E	CA	IAC-17.D4.3.8
Perera, Jeevan	A	IAC-17.E3.6.1
Perera, Nadine	A	IAC-17.D5.4.3
PEREZ, GUY	A	IAC-17.B2.2.5
Perez Albinana, Abelardo	CA	IAC-17.B1.3.2
Perez Cano, Jose Santiago	CA	IAC-17.D1.1.2
Perez Ramirez, Bryan	CA	IAC-17.E6.1.1
Perez Soriano, Tatiana	CA	IAC-17.C4.8-B4.5A.4
Perigo, David	CA	IAC-17.D3.1.7
Perlick, Volker	CA	IAC-17.A2.1.8
Perozzi, Ettore	CA	IAC-17.C1.7.12
Perrel, Françoise	CA	IAC-17.D2.7.3
Perret, Alain	CA	IAC-17.D3.IP.3
Perrino, Raphael	CA	IAC-17.E3.IP.7
Perrodin, Delphine	CA	IAC-17.A4.1.8
Persad, Aaron H.	A	IAC-17.B3.2.6
Persad, Aaron H.	A	IAC-17.A2.4.1
Persad, Aaron H.	CA	IAC-17.E1.IP.22
Persad, Aaron H.	A	IAC-17.E1.IP.38
Persson, Mathias	CA	IAC-17.C4.1.8
Peruzzotti, Marco	CA	IAC-17.A3.2B.7
Pesce, Vincenzo	A	IAC-17.C1.3.7
Pesce, Vincenzo	A	IAC-17.A6.6.7
Pesce, Vincenzo	CA	IAC-17.B4.8.2
Peter, Moar	CA	IAC-17.B1.1.3
Peters, Achim	CA	IAC-17.A2.1.2
Peters, Achim	CA	IAC-17.A2.3.2
Peters, Steef	CA	IAC-17.B1.2.6
Peters, Susanne	A	IAC-17.B6.3.2
Peterson, Perry	CA	IAC-17.B1.6.4
Petit, Alexis	CA	IAC-17.A6.9.1
Petit, David	CA	IAC-17.B5.2.6
Petkovic, Mike	CA	IAC-17.A7.2.2
Petrarolo, Anna	A	IAC-17.C4.2.8
Petraz, Stefano	CA	IAC-17.A3.3A.8
Petrillo, Davide	A	IAC-17.D1.5.6
PETROS, Eloi	A	IAC-17.E7.1.4
Petrozzi Ilstad, Marina	CA	IAC-17.D2.7.5
Peura, Angela D.	CA	IAC-17.E1.IP.17
Pezzato, Mattia	CA	IAC-17.E2.3-GTS.4.6
Pezzella, Giuseppe	CA	IAC-17.D2.6.2
Pezzella, Giuseppe	CA	IAC-17.C2.9.10
Pezzotti, Gianni	CA	IAC-17.A1.IP.26
Pfaff, Alexander	A	IAC-17.B4.8.8
Pfaff, Aron	CA	IAC-17.C2.1.10
Pfaff, Aron	CA	IAC-17.A3.4B.6
Pfeifer, Michael	A	IAC-17.A1.5.12
Pfeiffer, Lukas	CA	IAC-17.E1.5.3
Pfeiffer, Lukas	CA	IAC-17.B5.1.4
Pfeiffer, Matthias	CA	IAC-17.C4.4.10
Phelps, Audra	CA	IAC-17.E1.7.8
Philip, Kaaret	CA	IAC-17.B4.2.1
Philipp, Dennis	CA	IAC-17.A2.1.8
Philippe, Charles	CA	IAC-17.A7.3.7
Philippe, Christian	CA	IAC-17.A3.4B.3
Phillips, Claire	CA	IAC-17.B1.6.1
Phillips, Edward	CA	IAC-17.B6.3.3
Phillips, Scott	CA	IAC-17.A1.2.15
Phillips-Hungerford, John	CA	IAC-17.E5.IP.9
Philpot, Claudia	CA	IAC-17.B3.IP.6
Piccirillo, Sara	CA	IAC-17.A1.3.3
Piccirillo, Sara	CA	IAC-17.A1.4.9
Piccirillo, Sara	A	IAC-17.B3.9-GTS.2
Piccirillo, Sara	CA	IAC-17.A1.IP.26
Picha, Frank	CA	IAC-17.C4.4.3
Pichon, Thierry	CA	IAC-17.C4.3.11
Pichon, Thierry	A	IAC-17.D2.6.7
Pielok, Michael	CA	IAC-17.B4.6B.2
Piergentili, Fabrizio	CA	IAC-17.B4.2.7
Piergentili, Fabrizio	CA	IAC-17.B4.1.12
Piergentili, Fabrizio	CA	IAC-17.B2.3.3
Piergentili, Fabrizio	CA	IAC-17.B4.9-GTS.5.4
Piergentili, Fabrizio	CA	IAC-17.A6.9.5
Piergentili, Fabrizio	CA	IAC-17.C2.6.2
Piergentili, Fabrizio	CA	IAC-17.A6.IP.10
Piergentili, Fabrizio	CA	IAC-17.A6.IP.15
Piergentili, Fabrizio	CA	IAC-17.E1.IP.32
Piergentili, Fabrizio	CA	IAC-17.A6.10-B4.10.8
Pieters, Lode	CA	IAC-17.B3.3.3
Pietrobon, Steven	A	IAC-17.D2.8-A5.4.6
Piggott, Scott	CA	IAC-17.C1.2.4
Pignatelli, David	A	IAC-17.B4.5.10
Pignatelli, David	A	IAC-17.B4.8.11
Pignolet, Guy	CA	IAC-17.C3.2.7
Pignolet, Guy	CA	IAC-17.E5.5.2
Pilbratt, Göran	CA	IAC-17.A7.2.4
Pilchen, Guy	CA	IAC-17.D2.1.1
Pilia, Maura	CA	IAC-17.A4.1.8
Pilles, Eric	CA	IAC-17.B6.3.4
Ping, Fu	CA	IAC-17.C4.5.13
Pini, Matteo	CA	IAC-17.C4.6.6
Pinnel, Nicole	CA	IAC-17.B1.2.6
Pinsky, Lawrence	A	IAC-17.A1.5.5
Pinto Gomes, Vera	A	IAC-17.E4.2.1
PINUMALLA, KIRAN	CA	IAC-17.C2.IP.34
Piperno, Osvaldo	CA	IAC-17.E3.IP.8
Pipitsunthonsan, Pronthep	CA	IAC-17.B6.1.4
Pires, Conrad	A	IAC-17.B4.1.6
Pires, Goncalo	CA	IAC-17.B1.IP.1
Pires dos Santos, Pryscilla	CA	IAC-17.C1.8.5
Pirozzi, Carmine	CA	IAC-17.C2.9.10
Pirrotta, Simone	CA	IAC-17.B4.1.12
Pirschel, Kjell	CA	IAC-17.B4.6B.7
Pisanu, Tonino	CA	IAC-17.A4.1.8
Piskorz, Daneille	CA	IAC-17.D1.6.3
Piskorz, Danielle	CA	IAC-17.B3.2.10
Piskunova, Anna	CA	IAC-17.D3.3.11
Pisseloup, Aurelien	CA	IAC-17.A6.6.4
Pisseloup, Aurelien	CA	IAC-17.D2.8-A5.4.2
Pitcher, Craig	CA	IAC-17.A3.2B.10
Pittet, Jean-Noel	CA	IAC-17.A6.1.5
Pittet, Jean-Noel	CA	IAC-17.A6.1.9
Pittman, Cameron	CA	IAC-17.B3.7.6
Pittman, Robert	A	IAC-17.D3.1.4
Pittman, Robert	CA	IAC-17.D1.2.2
Pitz, Wolfgang	CA	IAC-17.B3.3.4
Piña López, Yair Israel	A	IAC-17.A2.4.8
Piña López, Yair Israel	CA	IAC-17.E6.IP.7
Plaidoung, Jayranon	CA	IAC-17.B6.1.4
Platonov, Valery	CA	IAC-17.B3.4-B6.5.1
Platt, Don	A	IAC-17.D2.IP.18
Plattard, Serge	A	IAC-17.B2.5.2
Player, Penelope	CA	IAC-17.E1.2.13
Pleban, Konrad	CA	IAC-17.A2.3.9
Plecki, Marge	CA	IAC-17.E1.IP.36
Pletser, Vladimir	A	IAC-17.A2.5.6
Pletser, Vladimir	A	IAC-17.A2.5.8
Pletser, Vladimir	CA	IAC-17.A2.5.10
Plettemeier, Dirk	CA	IAC-17.A3.4B.3
Podgorski, Mikolaj	CA	IAC-17.A2.3.9
Podhajsky, Sandra	A	IAC-17.A1.7.10
Podwalski, Ken	CA	IAC-17.B3.1.5
Poliakov, Hennadii	CA	IAC-17.E8.1.2
Polk, Jay	CA	IAC-17.C4.4.3
Pollini, Alexandre	CA	IAC-17.A6.6.4
Pollok, Andre	CA	IAC-17.B2.2.8
Pollok, André	CA	IAC-17.B2.4.3
Polonsky, Igor	CA	IAC-17.B1.2.9
Polsgrove, Daniel	CA	IAC-17.E1.2.8
Polsgrove, Tara	CA	IAC-17.A5.2.1
Polzer, Jennifer	CA	IAC-17.A1.8.9
Pomerantz, William	CA	IAC-17.B3.2.5
Pomerantz, William	CA	IAC-17.D2.7.1
Ponce, Adrian	CA	IAC-17.A1.6.1
Ponomarev, Sergey	CA	IAC-17.A1.4.7
Ponomarev, Sergey	A	IAC-17.A1.IP.35
Pons Lorente, Arnau	CA	IAC-17.E1.5.14
Pons Lorente, Arnau	CA	IAC-17.E5.3.11
Pons Lorente, Arnau	A	IAC-17.C4.IP.27
Pont, Gabriel	A	IAC-17.A3.3B.3
Pont, Gabriel	CA	IAC-17.A2.6.1
Pontani, Mauro	A	IAC-17.C1.4.8
Pontani, Mauro	CA	IAC-17.C1.7.2
Pontani, Mauro	A	IAC-17.C1.7.6
Pontani, Mauro	A	IAC-17.C1.9.10
Pontefrac, Alexandra	CA	IAC-17.B6.3.4
Pontijas Fuentes, Irene	CA	IAC-17.A6.4.6
Pontijas Fuentes, Irene	CA	IAC-17.A3.3A.4
Pooley, Mike	CA	IAC-17.B1.IP.13
Popa, Lucia Aurelia	A	IAC-17.A7.IP.6
Popov, Garri A.	CA	IAC-17.C4.4.14
Popowski, Jan	CA	IAC-17.B3.9-GTS.2.9
Porciani, Massimiliano	CA	IAC-17.B1.3.4
Portelli, Claudio	CA	IAC-17.A6.IP.12
Portelli, Claudio	CA	IAC-17.A6.IP.20
Portelli, Claudio	CA	IAC-17.A6.IP.38
Porter, Jamie	CA	IAC-17.B2.6.5
Portigliotti, Stefano	CA	IAC-17.A3.3A.4
Possenti, Andrea	CA	IAC-17.A4.1.8
Poulet, Lucie	CA	IAC-17.A1.1.7
Poulet, Lucie	A	IAC-17.E1.1.7
Pouplin, Jennifer	CA	IAC-17.A5.2.9
Pourdaraei, Sara	A	IAC-17.B2.7.13
Powell, Stefan	CA	IAC-17.D1.1.11
Powell, Stefan	CA	IAC-17.D1.2.4
Powell, Stefan	CA	IAC-17.D2.3.9
Powell, Stefan	CA	IAC-17.B4.5.9
Powell, Stefan	CA	IAC-17.A3.IP.18
Powell, Stefan	CA	IAC-17.C4.6.10
Power, Alessandro	CA	IAC-17.E2.3-GTS.4.9
Power, Alessandro	CA	IAC-17.E2.3-GTS.4.10
Poynter, Lyndsey	A	IAC-17.B6.3.8
Pozza, Maria A	CA	IAC-17.E7.2.2
Pozza, Maria A	CA	IAC-17.E7.2.7
Pozza, Maria A	A	IAC-17.B4.5.2
Pozza, Maria A	A	IAC-17.E7.4.14
Prabhakar, Vivek	A	IAC-17.D1.1.10
Prabhat, Himanshu	A	IAC-17.C1.4.10
Pradines, Didier	CA	IAC-17.B1.IP.33
Prado, Jean-Yves	A	IAC-17.D3.IP.3
Prajapati, Rakesh Chandra	A	IAC-17.E1.3.6
Prajapati, Rakesh Chandra	CA	IAC-17.E1.5.8
Pramann, Brian	CA	IAC-17.A3.3A.2
Prampolini, Davide	CA	IAC-17.A5.IP.16
Prasad, M.Y.S.	CA	IAC-17.B3.1.9
Prasad Nagendra, Narayan	A	IAC-17.B4.1.3
Prasad Nagendra, Narayan	CA	IAC-17.C3.2.5
Prasad Nagendra, Narayan	CA	IAC-17.E3.IP.10
Pratt, William	CA	IAC-17.A5.1.5
Preiser, Nicole	CA	IAC-17.E1.2.8
Preisinger, Clemens	CA	IAC-17.C2.9.13
Preudhomme, Michael	CA	IAC-17.C4.8-B4.5A.8
PREVEREAUD, Ysolde	A	IAC-17.A6.2.10
PREVEREAUD, Ysolde	A	IAC-17.D1.4A.6
Previte, Anthony	CA	IAC-17.A7.2.2
Prevost, Eddie	CA	IAC-17.B1.3.7
Prevost, Eddie	CA	IAC-17.A7.3.7
Prexl, Maximilian	CA	IAC-17.B2.4.5
Price, Daniel	CA	IAC-17.A4.1.3
Price, Daniel	A	IAC-17.A4.1.4
Prieur, Pascal	CA	IAC-17.A2.1.1
Prime, Zebb	A	IAC-17.C1.4.11
Prisco, Gaetano	CA	IAC-17.A6.5.1
Prisco, Giulio	CA	IAC-17.D4.1.10
PRIYANTO, IRWAN	CA	IAC-17.B1.IP.24
PRIYANTO, IRWAN	CA	IAC-17.C2.7.2
Probst, Alena	A	IAC-17.A3.IP.50
Prodeka, Emilio	CA	IAC-17.A3.2C.2
Proffe, Gerrit	CA	IAC-17.A7.2.5
Proffe, Gerrit	CA	IAC-17.A6.4.6
Proffe, Gerrit	CA	IAC-17.A6.4.7
Proietti Zolla, Paolo	CA	IAC-17.C2.2.2
Prokopchik, Anna	CA	IAC-17.A6.4.2
Propst, Martin	CA	IAC-17.C4.IP.38
Prybyla, A.V.	CA	IAC-17.A1.IP.25
Pryor, Owen	A	IAC-17.C4.9.3
Prysyazhnyuk, Anastasiia	CA	IAC-17.A1.3.6
Pudsey, Adrian	CA	IAC-17.C2.6.6
Puetzfeld, Dirk	CA	IAC-17.A2.1.8
Puglia, Stefano	CA	IAC-17.E3.3.5
Puig, Ludovic	CA	IAC-17.A7.2.4
Puig-Suari, Jordi	CA	IAC-17.A7.2.2
Puig-Suari, Jordi	A	IAC-17.B4.8.1
Puppe, Frank	CA	IAC-17.B4.3.13
Puppe, Frank	CA	IAC-17.B6.IP.5
Purpura, Carlo	A	IAC-17.C2.4.9
Purss, Matthew	A	IAC-17.B1.6.4
Purves, Lloyd R.	CA	IAC-17.A3.4B.5
Pushkarev, Dmitry	CA	IAC-17.C4.1.9
Pustylnik, Mikhail	CA	IAC-17.A2.6.8
Pyne, Budhaditya	CA	IAC-17.E5.4.8
Pyne, Budhaditya	CA	IAC-17.E5.IP.6

Pérez Hernández, Cristina	CA	IAC-17.A6.7.4
Pérez-Palau, Daniel	A	IAC-17.C1.6.2
Püttmann, Norbert	A	IAC-17.C4.4.8
Püttmann, Norbert	A	IAC-17.D2.6.10

Q

Name	Role	Paper
Qi, Chuntang	CA	IAC-17.B1.4.2
QI, Feng	A	IAC-17.D2.IP.7
QI, Feng	A	IAC-17.D2.IP.8
QI, Feng	A	IAC-17.E3.IP.16
Qi, Rui	CA	IAC-17.C1.1.1
Qi, Rui	CA	IAC-17.C1.IP.6
Qiang, Li	A	IAC-17.C2.4.3
Qiang, Sheng	CA	IAC-17.C2.IP.41
Qiao, Kuangyi	CA	IAC-17.B5.1.12
Qiao, Xiaotao	CA	IAC-17.E1.3.11
Qin, Haibo	CA	IAC-17.A1.1.4
Qin, Hong Lei	CA	IAC-17.B2.7.13
Qin, Jiang	CA	IAC-17.C3.3.1
Qin, Jiang	CA	IAC-17.C4.IP.39
Qin, Tong	A	IAC-17.D2.1.10
Qiu, Ruofan	CA	IAC-17.C4.9.1
Qu, Guangji	CA	IAC-17.B6.IP.8
Qu, Lina	A	IAC-17.A1.2.3
Quansah, Joseph	CA	IAC-17.E1.IP.21
Quantius, Dominik	CA	IAC-17.D1.4A.4
Quaranta, Vincenzo	CA	IAC-17.C2.9.10
Quincy, Charles	CA	IAC-17.A1.IP.4
Quine, Brendan	CA	IAC-17.B1.IP.8
Quinn, Andy	CA	IAC-17.B4.5.6
Quinn, Gary	CA	IAC-17.B1.1.3

R

Name	Role	Paper
R, HUTTON	CA	IAC-17.D2.1.8
R, Vasudevan	CA	IAC-17.C4.5.8
Rabbow, Elke	CA	IAC-17.A1.6.2
Rabbow, Elke	CA	IAC-17.A1.6.6
Rabinovitch, Jason	CA	IAC-17.C4.8-B4.5A.8
Racheru, Mihai	CA	IAC-17.A3.4B.4
Rachmann, Abdul	A	IAC-17.A6.1.9
Rade, Domingos	CA	IAC-17.C2.5.9
Radice, Gianmarco	CA	IAC-17.C1.2.12
Radtke, Jonas	CA	IAC-17.A6.2.2
Radtke, Jonas	CA	IAC-17.A6.4.10
Radtke, Jonas	A	IAC-17.A6.10-B4.10.2
Radu, Silvana	CA	IAC-17.A3.4B.4
Radu, Silvana	A	IAC-17.B2.7.5
Ragab, Mohamed	CA	IAC-17.D2.8-A5.4.9
Raghavan, Jeenu	CA	IAC-17.C2.IP.34
Rahman, Md Mahbubur	A	IAC-17.C2.6.12
Rahmani, Shima	A	IAC-17.D1.IP.12
Rahmani, Shima	CA	IAC-17.D1.IP.14
Rahmat, Meysam	CA	IAC-17.C2.8.12
Rahurkar, Swara	CA	IAC-17.D3.2.8
Rahurkar, Swara	A	IAC-17.D3.3.10
Raimalwala, Kaizad	CA	IAC-17.E1.IP.22
Raimalwala, Kaizad	CA	IAC-17.E1.IP.33
Raina, Rahul	CA	IAC-17.B2.2.3
Rainy, Richard	CA	IAC-17.A3.IP.39
Raj, Baldev	CA	IAC-17.E3.6.9
Raj, Sathesh	A	IAC-17.E1.9.2
Rajagopalan, Rajeswari Pillai	CA	IAC-17.E3.4.11
Rajamani, Sudha	CA	IAC-17.E1.7.8
Raje, Saurabh	A	IAC-17.E2.4.7
Rajoria, Nitish	CA	IAC-17.C2.1.3
Rakotoniaina, Sitraka	A	IAC-17.E1.9.1
Ramazanova, Bahar	A	IAC-17.E7.IP.15
Ramchand Lalwani, Nitin	CA	IAC-17.E2.3-GTS.4.5
Ramchand Lalwani, Nitin	CA	IAC-17.A5.2.6
Ramchand Lalwani, Nitin	CA	IAC-17.A5.1.12
Ramchand Lalwani, Nitin	CA	IAC-17.D4.3.11
Ramchand Lalwani, Nitin	CA	IAC-17.A3.2C.11
Ramesh, Gajendran	CA	IAC-17.C4.IP.49
Ramesh, Rakshith	A	IAC-17.B2.6.4
Ramirez, Julio	CA	IAC-17.B4.1.11
Ramos Prada, María Antonia	CA	IAC-17.A6.7.4
Rana, Zaid	CA	IAC-17.E2.3-GTS.4.9
Rana, Zaid	A	IAC-17.E2.3-GTS.4.10
Ranera, Franck	CA	IAC-17.B1.IP.16
Rangel, Patty	A	IAC-17.E1.IP.16
Rao, Mukund Kadursrinivas	A	IAC-17.B3.1.9
Rao, Mukund Kadursrinivas	CA	IAC-17.E3.1.8
Rao, Mukund Kadursrinivas	CA	IAC-17.E3.3.4
Rao, Mukund Kadursrinivas	A	IAC-17.E3.6.9
Rao, Rakesh	CA	IAC-17.E1.7.8
RAO, SANDYA	A	IAC-17.A2.IP.2
Rarata, Grzegorz	CA	IAC-17.C4.3.4
Rarata, Grzegorz	CA	IAC-17.C4.IP.21
Rarata, Grzegorz	CA	IAC-17.A2.5.2
Rarata, Grzegorz	CA	IAC-17.C4.10.9
Rasel, Ernst Maria	CA	IAC-17.A2.1.2
Rasel, Ernst Maria	CA	IAC-17.A2.3.2
Rasera, Joshua	CA	IAC-17.D4.2.3
Rasky, Dan	A	IAC-17.D1.2.2
Rasky, Daniel	CA	IAC-17.D3.1.4
Rastelli, Davide	CA	IAC-17.A6.5.3
Rathinam, Arunkumar	A	IAC-17.C1.3.3
Ravan, Shirish	CA	IAC-17.D4.2.1
Ravi, Vinod	CA	IAC-17.A6.4.4
Ravichandran, Srinath	CA	IAC-17.D4.1.10
Ravier, Nicolas	CA	IAC-17.C4.1.2
Rawal, Suraj	A	IAC-17.C2.4.1
Rayman, Marc D.	A	IAC-17.A3.4A.2
Raymond, Carol A.	CA	IAC-17.A3.1.7
Raymond, Luke	CA	IAC-17.C4.8-B4.5A.2
Rayner, Peter	CA	IAC-17.B1.2.9
Raza, Mudassir	A	IAC-17.C3.2.2
Razoumny, Vladimir	CA	IAC-17.D3.4.8
Razoumny, Vladimir	CA	IAC-17.C1.IP.24
Razoumny, Yury	A	IAC-17.D3.4.8
Razoumny, Yury	A	IAC-17.C1.IP.24
Razzaghi, Kaveh	CA	IAC-17.E2.3-GTS.4.5
Razzaghi, Kaveh	CA	IAC-17.A5.2.6
Razzaghi, Kaveh	CA	IAC-17.A5.1.12
Razzaghi, Kaveh	A	IAC-17.D4.3.11
Razzaghi, Kaveh	CA	IAC-17.A3.2C.11
Re, Cristina	CA	IAC-17.A3.5.3
Rea, Anthony	A	IAC-17.B1.4.1
Rebele, Bernhard	CA	IAC-17.A3.IP.31
Reck, Christoph	CA	IAC-17.B1.6.3
Reddy, Gadhadar	A	IAC-17.C3.2.5
Reddy, Shanti	A	IAC-17.B1.IP.23
Reddy, Shasidhar	CA	IAC-17.E6.1.1
Redfern, Jillian	A	IAC-17.B4.3.1
Redlich, Daniel	CA	IAC-17.A3.3B.1
Reed, Cheryl	A	IAC-17.A3.4B.2
Reed, Heather	CA	IAC-17.A3.3A.2
Reed, Heather	CA	IAC-17.A3.3B.4
Reed, Heather	CA	IAC-17.A3.IP.11
Reershemius, Siebo	CA	IAC-17.A6.IP.14
Reganaz, Mattia	CA	IAC-17.A3.2B.10
Regenbrecht, Denis	A	IAC-17.D2.IP.3
Reggestad, Vemund	CA	IAC-17.D3.1.7
Reibaldi, Giuseppe	CA	IAC-17.E3.2.1
Reibaldi, Giuseppe	CA	IAC-17.E7.2.12
Reichenbach, Nico	CA	IAC-17.B4.6A.5
Reid, Ewan	A	IAC-17.E1.IP.33
Reid, William	A	IAC-17.D1.IP.1
Reid, William	A	IAC-17.E1.IP.39
Reihs, Benedikt	CA	IAC-17.A6.2.9
Reill, Josef	CA	IAC-17.A3.4A.8
Reill, Josef	CA	IAC-17.A3.IP.31
Reill, Josef	CA	IAC-17.A3.4B.3
Reimann, Bodo	A	IAC-17.D1.3.5
Reimuller, Jason	CA	IAC-17.B3.2.6
Reinhart, Richard	A	IAC-17.B2.1.1
Reisenfeld, Sam	CA	IAC-17.B6.1.1
Reisenfeld, Sam	CA	IAC-17.A7.2.2
Reiss, Philipp	CA	IAC-17.A3.2B.9
Reiss, Philipp	CA	IAC-17.A3.2B.10
Reissner, Alexander	A	IAC-17.C4.4.9
Reitz, Günther	CA	IAC-17.A1.4.2
Rej, Abhijnan	CA	IAC-17.E3.4.11
Rembala, Richard	A	IAC-17.B3.6-A5.3.2
Rembala, Richard	CA	IAC-17.D1.6.5
Remedia, Marcello	A	IAC-17.C2.1.2
Rempt, Susanne	CA	IAC-17.E1.3.12
Renato, Viola	A	IAC-17.C2.4.6
Renaud, Pierre Yves	CA	IAC-17.A3.3A.8
Renk, Florian	CA	IAC-17.E4.1.3
Renk, Florian	CA	IAC-17.C1.9.12
Repin, Igor	CA	IAC-17.B3.3.2
Resch, Andreas	CA	IAC-17.A2.1.2
Resta, Pier Domenico	CA	IAC-17.D2.1.1
Retat, Ingo	CA	IAC-17.A6.6.4
Rettberg, Petra	A	IAC-17.A1.6.2
Rettberg, Petra	CA	IAC-17.A1.6.5
Rettberg, Petra	CA	IAC-17.A1.6.6
Rettberg, Petra	CA	IAC-17.A1.6.9
Ribet, Matteo	CA	IAC-17.C1.1.5
Ricard, William	CA	IAC-17.E3.3.3
Riccardi, Annalisa	CA	IAC-17.A6.7.1
Ricciardi, Agnese	CA	IAC-17.D1.1.9
Rice, Mark	CA	IAC-17.B2.5.1
Richard-Noca, Muriel	CA	IAC-17.A6.6.5
Richards, Josh	A	IAC-17.E1.6.2
Richardson, Guy	CA	IAC-17.C2.5.3
Richardson, Matthew	A	IAC-17.E2.2.2
Richardson, Matthew	A	IAC-17.A6.8.5
Richert, Philip	CA	IAC-17.C2.1.5
Richey, Danielle	CA	IAC-17.A5.1.5
Richter, Lutz	A	IAC-17.A3.2B.9
Richter, Lutz	CA	IAC-17.A3.2B.10
Richter, Lutz	A	IAC-17.A3.3B.1
Rickmers, Peter	CA	IAC-17.D2.6.1
Riede, Wolfgang	CA	IAC-17.E2.2.9
Riede, Wolfgang	CA	IAC-17.A6.IP.5
Riede, Wolfgang	CA	IAC-17.A6.IP.7
Rieker, Vilde	A	IAC-17.E2.3-GTS.4.7
Riemer, Arne	CA	IAC-17.A6.IP.14
Rienow, Andreas	CA	IAC-17.E1.2.11
Riesselmann, Jens	A	IAC-17.C2.8.9
Rievers, Benny	CA	IAC-17.A2.1.5
Rievers, Benny	CA	IAC-17.A2.1.6
Rievers, Benny	CA	IAC-17.B1.IP.21
Rievers, Benny	A	IAC-17.C4.IP.31
Rifert, Vladimir	A	IAC-17.A1.IP.25
Riffle, Zachary	CA	IAC-17.E1.1.8
Rigaut, Francois	CA	IAC-17.A6.6.3
Riley, David	A	IAC-17.A6.4.6
Riley, David	CA	IAC-17.A6.4.7
Riley, David	A	IAC-17.B2.5.3
Riley, David	CA	IAC-17.B4.5.6
Rimani, Jasmine	CA	IAC-17.D2.IP.6
Rimolo-Donadio, Renato	CA	IAC-17.A2.3.10
Rischka, Klaus	CA	IAC-17.A1.6.9
Rist, D. Wes	A	IAC-17.E7.7-B3.8.9
Rittatore, Matias	CA	IAC-17.E2.3-GTS.4.9
Rittatore, Matias	CA	IAC-17.E2.3-GTS.4.10
Rittweger, Jörn	CA	IAC-17.A2.IP.1
Rivas-Davila, Juan	CA	IAC-17.C4.8-B4.5A.2
Rivero, Moises	CA	IAC-17.A6.3.6
RIVIERE, Jérôme	CA	IAC-17.C3.2.7
Rivolta, Aureliano	A	IAC-17.C1.2.8
Roach, Mike	CA	IAC-17.E1.5.4
Roberson, Luke	CA	IAC-17.A1.IP.4
Robert, Alain	CA	IAC-17.A2.1.1
Robert, Alain	CA	IAC-17.A2.1.7
Robert, Hahn	CA	IAC-17.A6.IP.14
Roberts, Caroline	CA	IAC-17.B1.IP.8
Roberts, Peter C.E	A	IAC-17.D1.1.2
Roberts, Peter C.E	CA	IAC-17.C4.6.5
Roberts, SherylLynn	CA	IAC-17.E1.5.5
Robinson, Julie A.	CA	IAC-17.B3.3.1
Robinson, Kimberly	A	IAC-17.B4.5.3
Robison, Kathryn	A	IAC-17.E1.IP.8
Robison, William	CA	IAC-17.B4.2.1
Rochat, Sylvain	CA	IAC-17.A3.4B.3
Rochblatt, David	CA	IAC-17.B2.6.7
Rock, Jim	CA	IAC-17.E1.8.2
Rodmann, Jens	CA	IAC-17.E2.2.9
Rodmann, Jens	CA	IAC-17.A6.IP.7
Rodrigues, Manuel	CA	IAC-17.A2.1.7
Rodrigues, Pedro	CA	IAC-17.B1.3.8
Rodrigues, Pedro	CA	IAC-17.B1.IP.1
Rodrigues, Pedro	A	IAC-17.D5.3.3
Rodriguez, Omar Eduardo	CA	IAC-17.E1.IP.30
Rodriguez Dominguez, Rene	CA	IAC-17.E6.IP.2
Rodriguez-Cortes, Hugo	A	IAC-17.C1.2.9
Rodriguez-Donaire, Silvia	CA	IAC-17.D1.1.2
Rodriguez-Donaire, Silvia	CA	IAC-17.C4.6.5
Rodriguez-Fernández, Victor	CA	IAC-17.A6.7.1
Roelof, Edmond	CA	IAC-17.D4.4.2
Rogez, Yves	CA	IAC-17.A3.4B.3
Roh, Dong-Goo	CA	IAC-17.A6.IP.16
Rohit, Minal	CA	IAC-17.D1.5.5
Rohrbeck, Mathias	CA	IAC-17.A7.2.5
Rohrwild, Karlheinz	A	IAC-17.E4.1.2
Rojas, Juan J.	CA	IAC-17.B4.1.11
Rojas Quesada, Mariela	A	IAC-17.A6.IP.2
Roman-Gonzalez, Avid	CA	IAC-17.B4.9-GTS.5.7
Roman-Gonzalez, Avid	CA	IAC-17.D4.2.5
Roman-Gonzalez, Avid	CA	IAC-17.E5.4.5
Roman-Gonzalez, Avid	A	IAC-17.B1.IP.27
Roman-Gonzalez, Avid	A	IAC-17.E5.IP.1
Roman-Gonzalez, Avid	CA	IAC-17.B1.5.5
Romano, Diego Giuseppe	CA	IAC-17.D2.7.3
Romano, Francesco	CA	IAC-17.D1.1.2
Romano, Francesco	A	IAC-17.C4.6.5
Romano, Marcello	CA	IAC-17.C1.5.3
Romano, Matteo	A	IAC-17.C1.9.5
Romberg, Oliver	CA	IAC-17.D1.4A.4
Romberg, Oliver	CA	IAC-17.B3.IP.6
Romero, Victor	A	IAC-17.B4.9-GTS.5.7
Romestant, Cyril	CA	IAC-17.A2.3.4
Romita, Jonathan	CA	IAC-17.E2.3-GTS.4.9
Romoli, Marco	CA	IAC-17.A7.2.11

Rong, Yi	CA	IAC-17.D2.1.10
Ronsse, Veerle	A	IAC-17.D4.2.12
Ronsse, Veerle	A	IAC-17.A1.6.11
Rosales-Alpizar, Luis Carlos	CA	IAC-17.B4.1.11
Rosciano, Elisa	CA	IAC-17.B2.IP.9
Roscoe, Christopher	CA	IAC-17.A6.9.10
ROSENBLATT, JONATHAN	CA	IAC-17.A6.10-B4.10.3
Rosengren, Aaron J.	A	IAC-17.C1.9.6
Roshanian, Jafar	CA	IAC-17.B2.7.8
Ross, Anna	CA	IAC-17.E2.3-GTS.4.5
Ross, Anna	CA	IAC-17.A5.2.6
Ross, Anna	CA	IAC-17.A5.1.12
Ross, Anna	CA	IAC-17.D4.3.11
Ross, Anna	CA	IAC-17.A3.2C.11
Ross, Jonathon	A	IAC-17.B1.1.1
Ross, Jonathon	CA	IAC-17.B1.6.1
Ross, Jonathon	A	IAC-17.B1.6.2
Ross, Jonathon	CA	IAC-17.B1.6.4
Rossi, Alessandro	CA	IAC-17.A6.2.2
Rossi, Alessandro	CA	IAC-17.A6.2.7
Rossi, Alessandro	CA	IAC-17.A6.2.8
Rossi, Alessandro	CA	IAC-17.A6.IP.6
Rossi, Alessandro	CA	IAC-17.A6.IP.9
Rossi, Alessandro	CA	IAC-17.C1.9.2
Rossi, Alvise	CA	IAC-17.E2.3-GTS.4.6
Rossiyskaya, Ekaterina	CA	IAC-17.B3.3.2
Rossmanith, Gregor	A	IAC-17.B6.2.6
Rossmann, Juergen	CA	IAC-17.D1.4A.3
Rosta, Roland	CA	IAC-17.D3.2.7
Rosta, Roland	CA	IAC-17.A3.IP.31
Rosta, Roland	CA	IAC-17.A3.2C.3
Roth, John	CA	IAC-17.D2.4.5
Rotter, Sven	CA	IAC-17.B4.7.2
Roussel, Jean-Francois	CA	IAC-17.D5.3.5
Rovetto, Robert	A	IAC-17.E5.4.10
ROVIERA, PIER MICHELE	CA	IAC-17.D2.2.2
Roviera, Pier Michele	CA	IAC-17.D2.2.7
Roy, Hiya	CA	IAC-17.E5.IP.6
Royle, Samuel	CA	IAC-17.A1.6.2
Royrvik, Jens	CA	IAC-17.B3.6-A5.3.1
Rozanova, Olga	A	IAC-17.A6.8.6
Rozhkov, Miroslav	CA	IAC-17.C1.IP.28
Rošker, Stephanie	CA	IAC-17.E2.3-GTS.4.1
Ruan, Bo	A	IAC-17.C4.IP.3
RUBAB, Nazish	CA	IAC-17.B6.1.10
RUBAB, Nazish	CA	IAC-17.B4.3.7
RUBAB, Nazish	CA	IAC-17.B5.1.6
Rubini, Danilo	CA	IAC-17.E3.IP.8
Rucker, Michelle	CA	IAC-17.A5.2.1
Rudimov, Eugene	CA	IAC-17.A1.8.3
Rudy, Richard	CA	IAC-17.A6.1.6
Ruehl, Timo	CA	IAC-17.E6.1.1
Ruf, Oliver	A	IAC-17.D5.1.9
Ruf, Oliver	CA	IAC-17.B4.7.9
Rufo, Damiano	CA	IAC-17.C2.9.9
Rufolo, Giuseppe	CA	IAC-17.D2.6.3
Ruhhammer, Florian	CA	IAC-17.D2.1.1
Ruhhammer, Florian	CA	IAC-17.E6.2.11
Ruhhammer, Florian	A	IAC-17.E1.IP.12
Rui, Shu	CA	IAC-17.D2.IP.14
Ruiz Guzmán, Pedro Jesús Alejandro	A	IAC-17.A1.IP.20
Rull, Fernando	CA	IAC-17.A3.3B.6
Rummel, John D.	A	IAC-17.A1.6.3
Rummel, John D.	A	IAC-17.E7.7-B3.8.7
Runnels, Joel	A	IAC-17.B2.5.9
Rusanov, Vasily	CA	IAC-17.A1.3.6
Rusconi, Andrea	CA	IAC-17.A3.2B.7
Rushton, Joseph	CA	IAC-17.A3.2B.10
Russ, Brice	CA	IAC-17.E1.IP.7
Russell, Ray	CA	IAC-17.A6.1.6
Russo, Enrico	CA	IAC-17.B2.8-GTS.3.4
Rutigliano, Luigi	CA	IAC-17.C2.1.1
Rutten, Mark	CA	IAC-17.A6.9.11
Ruà, Emanuele Giovanni	CA	IAC-17.B4.1.12
Ryan, Alexander	A	IAC-17.C4.IP.6
Ryan, Charlie	CA	IAC-17.C4.6.8
Ryan, Sean	CA	IAC-17.A3.3A.2
Rybakin, Boris	A	IAC-17.A2.4.5
Rykova, Marina	CA	IAC-17.A1.IP.35
Rysak, Damian	CA	IAC-17.A6.5.4
Rysak, Damian	CA	IAC-17.A2.5.2
Rönnau, Arne	CA	IAC-17.D1.6.10
Rösch, Petra	CA	IAC-17.A1.6.5
Rüede, Anne-Marlene	A	IAC-17.E5.1.4

S

Name	Role	Paper
S, Jayabharathy	CA	IAC-17.C2.IP.12
s, Nanthakumar	CA	IAC-17.C4.IP.49
S Rajan, Adhithya	CA	IAC-17.B1.5.4
Saad, Marissa	CA	IAC-17.E1.2.6
Sabath, Dieter	CA	IAC-17.B3.4-B6.5.3
Sabatini, Marco	A	IAC-17.C1.1.5
Sabatini, Marco	CA	IAC-17.C2.2.4
Sabatini, Marco	CA	IAC-17.C1.3.5
Sabatini, Marco	CA	IAC-17.D1.2.9
Sabatini, Marco	CA	IAC-17.C2.9.9
Sabri, Farooq	CA	IAC-17.B4.7.12
Sabzalian, Mehdi	A	IAC-17.C2.IP.31
Saccani, Luciano	CA	IAC-17.D2.4.5
Sacco, Patrizia	CA	IAC-17.A1.3.3
Sacco, Patrizia	A	IAC-17.E5.4.4
Sacco, Patrizia	A	IAC-17.E5.IP.13
Saccoccia, Giorgio	A	IAC-17.D3.4.3
Saccoccia, Giorgio	CA	IAC-17.D2.IP.6
Saccoccia, Giorgio	CA	IAC-17.C4.6.7
Sadova, Anastasiya	CA	IAC-17.A1.IP.35
Safwat, Ibrahim M.	CA	IAC-17.C2.5.2
Saganti, Premkumar	A	IAC-17.A1.5.6
Sagar, Stephen	CA	IAC-17.B1.6.1
Sagath, Daniel	CA	IAC-17.E3.4.8
Sagath, Daniel	CA	IAC-17.D5.2.6
Sagath, Daniel	A	IAC-17.E6.IP.5
Saggese, Enrico	CA	IAC-17.B4.9-GTS.5.4
Saghari, Asad	CA	IAC-17.D1.IP.12
Saghari, Asad	A	IAC-17.D1.IP.14
Sagliano, Marco	CA	IAC-17.D2.6.1
Sahai, Mrigank	A	IAC-17.C4.5.2
Sahara, Hironori	CA	IAC-17.E6.IP.1
Sahoo, Shalini	A	IAC-17.E5.1.11
Saia, Dario	CA	IAC-17.A1.4.4
Saiki, Takanao	CA	IAC-17.D1.3.6
Saiki, Takanao	CA	IAC-17.A3.4A.7
Saiki, Takanao	CA	IAC-17.A3.4A.9
Saiki, Takanao	CA	IAC-17.B6.3.1
Saikia, Sarag	A	IAC-17.A5.2.11
Saito, Kazuya	CA	IAC-17.C2.2.11
Saito, Yasuhiro	CA	IAC-17.C4.3.9
Saito, Yasuhiro	CA	IAC-17.D2.4.6
Saitoh, Tomohiko	CA	IAC-17.C2.7.5
Sakai, Shin-ichiro	CA	IAC-17.C1.1.3
Sakai, Shin-ichiro	CA	IAC-17.C1.IP.25
Sakai, Shin-ichiro	CA	IAC-17.C1.IP.26
Sakamoto, Yuji	CA	IAC-17.B4.6A.11
Saksupapchon, Punyapat	CA	IAC-17.A3.IP.7
Sakurai, Atsushi	CA	IAC-17.C2.8.11
Sakurai, Ryu	CA	IAC-17.E5.3.10
Salamon, Nick	CA	IAC-17.E4.1.4
Salamon, Nick	CA	IAC-17.D2.4.11
Salamon, Nick	A	IAC-17.A1.IP.10
Salaverria, Luis	A	IAC-17.E6.IP.2
Salaverria, Luis	CA	IAC-17.E5.5.9
SALICRUP, CARLOS	CA	IAC-17.A5.2.9
SALICRUP, CARLOS	CA	IAC-17.A1.IP.20
Salini, Joseph	CA	IAC-17.A3.2B.10
Salini, Joseph	CA	IAC-17.A3.2C.2
Sallard, Stéphanie	CA	IAC-17.B1.3.7
Salmon, Thierry	CA	IAC-17.A6.6.4
Salteri, Efstratia	A	IAC-17.B3.IP.12
Salu, Leye	CA	IAC-17.E1.2.9
Samardzic, Olivia	CA	IAC-17.E1.5.4
Samavati, Faramarz	CA	IAC-17.B1.6.4
Sami, Saad	CA	IAC-17.C2.3.1
Sammuneh, Muhammad Ali	CA	IAC-17.A6.9.1
Sampson, Melissa	A	IAC-17.D2.5.1
Sampson, Melissa	A	IAC-17.A3.IP.9
Sampson, Robin	CA	IAC-17.B4.4.11
Sampson, Robin	CA	IAC-17.B4.7.12
Samson, Claire	CA	IAC-17.A5.1.11
Samson, Victoria	A	IAC-17.E3.4.11
Sanchez Cuartielles, Joan Pau	A	IAC-17.A3.IP.53
Sanchez Cuartielles, Joan Pau	CA	IAC-17.C1.7.1
Sanchez Cuartielles, Joan Pau	A	IAC-17.C1.8.7
Sandal, Gro M.	CA	IAC-17.A1.1.5
Sanders, Jerry	CA	IAC-17.D3.3.1
Sandford, Scott A.	CA	IAC-17.A3.4B.5
Sandlier, Greg	CA	IAC-17.B4.7.12
Sanghavi, Harsh	A	IAC-17.B1.IP.9
Sanjuan, Jose	CA	IAC-17.C2.IP.14
Sanjurjo, Manuel	CA	IAC-17.C1.7.5
Sansegundo Chamarro, Manuel	CA	IAC-17.C1.6.12
Sansone, Francesco	CA	IAC-17.E2.3-GTS.4.6
Sansone, Francesco	CA	IAC-17.D1.2.10
Sansone, Francesco	CA	IAC-17.A2.3.5
Santer, Matthew	CA	IAC-17.A3.3B.10
Santiago, Walter	CA	IAC-17.C4.4.3
Santilli, Giancarlo	A	IAC-17.B1.5.7
Santoni, Fabio	CA	IAC-17.B4.1.12
Santoni, Fabio	CA	IAC-17.B4.9-GTS.5.4
Santoni, Fabio	CA	IAC-17.A6.9.5
Santoni, Fabio	CA	IAC-17.C2.6.2
Santoni, Fabio	CA	IAC-17.A6.IP.9
Santoni, Fabio	A	IAC-17.A6.IP.10
Santoni, Fabio	CA	IAC-17.A6.IP.15
Santoni, Fabio	CA	IAC-17.A6.IP.39
Santoni, Fabio	CA	IAC-17.C2.7.6
Santoni, Fabio	CA	IAC-17.A6.10-B4.10.8
Santoro, Francesco	A	IAC-17.D6.3.5
Santos, Luis	CA	IAC-17.B4.2.1
Santra, Shreya	CA	IAC-17.C2.6.12
Santra, Shreya	A	IAC-17.A3.IP.7
Saprykin, Oleg	CA	IAC-17.B3.IP.11
Sarae, Wataru	CA	IAC-17.D2.2.3
Sarafin, Michael	A	IAC-17.B3.IP.15
Sarah, Maria-Gabriella	A	IAC-17.D5.2.5
Sarantos, Menelaos	CA	IAC-17.A3.2A.7
Sarda, Karan	CA	IAC-17.C1.IP.27
Sarkarati, Mehran	CA	IAC-17.B2.6.3
Sarkissian, John	A	IAC-17.E4.3A.2
Sarli, Bruno	A	IAC-17.C1.7.11
Sarrailh, Pierre	CA	IAC-17.D5.3.5
SASAHARA, Shin-ichiro	A	IAC-17.A1.1.8
SASAHARA, Shin-ichiro	CA	IAC-17.A1.IP.18
Sasaki, Kaname	CA	IAC-17.A3.4A.8
Sasaki, Kaname	CA	IAC-17.A3.4A.9
Sasaki, Kenji	CA	IAC-17.C3.2.9
Sasaki, Takahiro	A	IAC-17.C1.1.11
Sato, Akihiro	A	IAC-17.D2.1.5
Sato, Masaki	A	IAC-17.C4.1.12
SATO, Minoru	A	IAC-17.D4.3.16
Sato, Shoji	CA	IAC-17.D4.3.6
Sato, Yuji	CA	IAC-17.B4.6A.11
Satoh, Naoki	CA	IAC-17.B3.1.3
Satoh, Naoki	CA	IAC-17.A5.1.1
Satou, Yasutaka	CA	IAC-17.C2.2.5
Saucke, Karen	CA	IAC-17.B2.4.2
Sauer, Moritz	CA	IAC-17.E1.3.12
Saunders, Christopher	CA	IAC-17.B4.4.6
Saussie, David	CA	IAC-17.B2.3.4
Savelyeva, Mila	A	IAC-17.B4.5.4
Savino, Raffaele	CA	IAC-17.A2.3.4
Savino, Raffaele	CA	IAC-17.D2.6.2
Savioli, Livia	CA	IAC-17.A5.2.6
Savioli, Livia	CA	IAC-17.A5.1.12
Savioli, Livia	CA	IAC-17.D4.3.11
Savioli, Livia	CA	IAC-17.A3.2C.11
Savoia, Matteo	A	IAC-17.A3.2B.7
Sawada, Hirotaka	CA	IAC-17.A3.3A.5
Sawada, Hirotaka	CA	IAC-17.A3.3A.5
Sawai, Shujiro	CA	IAC-17.C1.IP.26
Saxena, Apoorv	CA	IAC-17.B2.6.8
Saydam, Serkan	CA	IAC-17.A5.2.10
Saydam, Serkan	CA	IAC-17.A2.4.6
Saydam, Serkan	A	IAC-17.D4.5.9
Sayers, Renae	A	IAC-17.E1.6.11
Sayers, Renae	CA	IAC-17.A7.2.1
Scanlan, Marco	CA	IAC-17.B5.2.7
Scanlon, Thomas	CA	IAC-17.C2.4.6
Scatteia, Luigi	A	IAC-17.E6.1.5
Scatteia, Luigi	A	IAC-17.E3.3.3
Schalk, Maximilian	CA	IAC-17.E1.1.8
Schaper, Yannik	CA	IAC-17.E1.3.12
Scharlemann, Carsten	CA	IAC-17.C4.1.8
Scharlemann, Carsten	CA	IAC-17.C4.4.9
Scharlemann, Carsten	CA	IAC-17.C4.5.9
Scharnagl, Julian	CA	IAC-17.B4.7.9
Scharringhausen, Jan-Christoph	A	IAC-17.B6.1.2
Schaub, Hanspeter	CA	IAC-17.C1.1.2
Schaub, Hanspeter	CA	IAC-17.C1.1.11
Schaub, Hanspeter	A	IAC-17.C1.2.4
Schaub, Hanspeter	CA	IAC-17.C1.4.3
Schaub, Hanspeter	CA	IAC-17.C1.IP.22
Schebek, Victoria Katharina	CA	IAC-17.E4.3B.4
Scheeres, Daniel	CA	IAC-17.C1.7.10
Scheper, Marc	CA	IAC-17.A6.4.7
Scheper, Marc	CA	IAC-17.C1.3.1
Scher, Mitchell	CA	IAC-17.E6.3.7
Schervan, Thomas A.	A	IAC-17.C2.1.5
Schervan, Thomas A.	A	IAC-17.D1.2.3
Schettino, Giulia	CA	IAC-17.A6.2.7
Schettino, Giulia	A	IAC-17.A3.5.4
Schettino, Giulia	A	IAC-17.C1.9.2
Schier, James	CA	IAC-17.B2.1.1
Schildknecht, Thomas	CA	IAC-17.A6.1.5
Schildknecht, Thomas	CA	IAC-17.A6.1.7
Schildknecht, Thomas	CA	IAC-17.A6.1.9
Schildknecht, Thomas	CA	IAC-17.A6.IP.44
Schilling, Klaus	CA	IAC-17.E4.1.3
Schilling, Klaus	CA	IAC-17.B4.3.8
Schilling, Klaus	A	IAC-17.E1.4.4
Schilling, Klaus	CA	IAC-17.D5.1.9
Schilling, Klaus	CA	IAC-17.B4.6B.10
Schilling, Klaus	CA	IAC-17.B6.2.3
Schilling, Klaus	CA	IAC-17.B4.7.9
Schilling, Klaus	A	IAC-17.D1.6.2
Schimmerohn, Martin	CA	IAC-17.C2.1.10
Schimmerohn, Martin	CA	IAC-17.B4.6A.3
Schimmerohn, Martin	CA	IAC-17.B4.6A.5
Schimmerohn, Martin	CA	IAC-17.A6.IP.32
Schimmerohn, Martin	CA	IAC-17.B4.6B.2
Schimmerohn, Martin	A	IAC-17.A3.4B.6
Schkolnik, Vladimir	CA	IAC-17.A2.3.2
Schlacht, Irene Lia	CA	IAC-17.A3.3B.14
Schlacht, Irene Lia	A	IAC-17.A2.IP.1
Schlacht, Irene Lia	CA	IAC-17.A3.IP.1
Schlacht, Irene Lia	CA	IAC-17.A3.2C.7
Schlechtriem, Stefan	CA	IAC-17.C4.2.8
Schleppi, Juergen	A	IAC-17.A5.IP.6
Schlerf, Angela	A	IAC-17.B3.4-B6.5.3
Schluse, Michael	CA	IAC-17.D1.4A.3
Schlutz, Juergen	CA	IAC-17.A3.1.1
Schlutz, Juergen	CA	IAC-17.A5.1.1
Schlutz, Juergen	CA	IAC-17.E1.IP.7
Schmelz, Nikolas	CA	IAC-17.A6.IP.45
Schmidt, George	CA	IAC-17.D2.3.2
Schmidt, George	CA	IAC-17.C4.4.3

Schmidt, George	CA	IAC-17.C4.4.4
Schmidt, George	CA	IAC-17.D3.3.1
Schmidt, Marco	A	IAC-17.B1.4.3
Schmidt, Marco	A	IAC-17.E2.4.2
Schmidt, Michael	CA	IAC-17.D3.1.7
Schmitz, Peter	CA	IAC-17.A3.3A.8
Schmuck, Felix	CA	IAC-17.E1.3.12
Schneider, Alexander	CA	IAC-17.B4.2.2
Schneider, Alexander	CA	IAC-17.B2.2.5
Schneider, Alexander	CA	IAC-17.B4.3.13
Schneider, Alexander	CA	IAC-17.B2.4.1
Schneider, Alexander	CA	IAC-17.B6.IP.5
Schneider, Alexander	CA	IAC-17.B6.2.2
Schneider, Judy	CA	IAC-17.C2.9.7
Schneider, Ralf	CA	IAC-17.C4.4.10
Schofield, Andy	CA	IAC-17.B4.4.5
Schoroth, Wenzel	CA	IAC-17.E6.2.11
Schreier, Gunter	CA	IAC-17.B1.6.3
Schrenker, Caroline	CA	IAC-17.E2.3-GTS.4.1
Schroeder, Jan Walter	CA	IAC-17.D1.1.3
Schroeder, Jan Walter	CA	IAC-17.B3.IP.3
Schrogl, Kai-Uwe	CA	IAC-17.E3.1.5
Schrogl, Kai-Uwe	CA	IAC-17.E3.4.5
Schrogl, Kai-Uwe	CA	IAC-17.E3.IP.15
Schröder, Kai-Uwe	CA	IAC-17.C2.1.5
Schröder, Kai-Uwe	CA	IAC-17.C2.3.5
Schröder, Kai-Uwe	CA	IAC-17.D1.2.3
Schröder, Kai-Uwe	CA	IAC-17.D1.6.8
Schröder, Silvio	CA	IAC-17.A3.4B.3
Schröder, Valerie	CA	IAC-17.B3.IP.1
Schuh, Sebastian	CA	IAC-17.C4.1.8
Schuh, Sebastian	CA	IAC-17.C4.5.9
Schuldt, Thilo	CA	IAC-17.A2.1.2
Schulte, Peter	A	IAC-17.C1.5.11
Schultz, Cassandra	CA	IAC-17.A1.7.9
Schultz, Johannes	A	IAC-17.E1.2.11
Schulze, Kerstin	CA	IAC-17.E2.3-GTS.4.1
Schulze, Ron	CA	IAC-17.B2.6.5
Schumacher, Paul	CA	IAC-17.A6.9.10
Schumann, Gerald	CA	IAC-17.D6.1.3
Schuster, Martin	CA	IAC-17.A3.IP.31
Schwalber, Ameli	CA	IAC-17.D1.1.2
Schwalber, Ameli	CA	IAC-17.C4.6.5
Schwartz, Stephen	CA	IAC-17.D3.3.2
Schwarz, Renè	CA	IAC-17.D2.6.1
Schwarz, Tobias	CA	IAC-17.B4.3.13
Schwarz, Tobias	CA	IAC-17.B6.IP.5
Schwarz, Tobias	CA	IAC-17.B6.2.2
Schwehm, Gerhard	CA	IAC-17.D1.5.2
Schweigert, Robin	CA	IAC-17.E1.3.12
Schwentenwein, Martin	CA	IAC-17.C4.1.8
Schwentenwein, Martin	CA	IAC-17.C4.5.9
Schwinning, Marius	CA	IAC-17.E1.3.1
Schwinning, Marius	A	IAC-17.A5.2.2
Schäfer, Frank	CA	IAC-17.A6.3.7
Schäfer, Frank	CA	IAC-17.B4.6A.3
Schäfer, Frank	CA	IAC-17.A6.IP.32
Schäfer, Frank	CA	IAC-17.B4.6B.2
Schäfer, Frank	CA	IAC-17.A3.4B.6
Schöneich, Viktoria	CA	IAC-17.B3.IP.1
Schüttauf, Katharina	A	IAC-17.E1.IP.25
SCIGLIANO, ROBERTO	CA	IAC-17.C2.6.9
Scimemi, Sam	A	IAC-17.B3.2.9
Scimemi, Sam	A	IAC-17.A1.4.1
Sciortino, Giacomo Primo	A	IAC-17.E3.3.5
Sciortino, Giacomo Primo	A	IAC-17.E5.2.3
Sciortino, Giacomo Primo	A	IAC-17.E1.IP.27
Sciortino, Giacomo Primo	A	IAC-17.E3.6.12
Scire, Gioacchino	CA	IAC-17.B4.2.7
Scoarnec, Yann	CA	IAC-17.D5.3.3
Scognamiglio, Viviana	CA	IAC-17.A1.IP.26
Scott, Christopher	CA	IAC-17.B2.6.5
Scruggs, Thomas	A	IAC-17.A6.IP.33
Searle, Tim	CA	IAC-17.D2.7.3
Sedlmayr, Hans-Jürgen	CA	IAC-17.A3.4A.8
Seefelder, Wolfgang	CA	IAC-17.B1.3.2
Seefeldt, Patric	CA	IAC-17.B4.6A.5
Seefeldt, Patric	CA	IAC-17.A6.IP.14
Seffrin, Joao	CA	IAC-17.D1.1.7
Sefton-Nash, Elliot	CA	IAC-17.D3.1.7
Seidel, Stephan	CA	IAC-17.A2.5.3
Seidel, Stephan Tobias	CA	IAC-17.A2.3.2
Seimandi, Pierre	CA	IAC-17.A6.7.2
Seipel, Dietmar	CA	IAC-17.D1.1.1
Seitzer, Patrick	A	IAC-17.A6.1.7
Seitzer, Patrick	CA	IAC-17.A6.9.5
Seitzer, Patrick	CA	IAC-17.A6.IP.9
Seitzer, Patrick	CA	IAC-17.A6.10-B4.10.8
Selaru, Dan	CA	IAC-17.A3.4B.4
Seleznev, Vadim	CA	IAC-17.C4.1.9
Selg, Fabian	CA	IAC-17.E1.2.11
Selig, Hanns	CA	IAC-17.A2.1.5
Selig, Hanns	A	IAC-17.A2.5.5
Sellers, Jerry	A	IAC-17.D1.4A.7
Sellmaier, Florian	CA	IAC-17.B2.4.2
Semenov, Vadim	CA	IAC-17.C4.1.9
Sephton, Mark	CA	IAC-17.A1.6.2
Serdar, Saliha	CA	IAC-17.D1.1.1
Sergent, Nicolas	CA	IAC-17.A3.3A.8
Serpokryl, Viktoria	CA	IAC-17.A6.IP.3
Serra, Daniele	CA	IAC-17.A3.5.4
Serra, Pedro	CA	IAC-17.A6.5.1
Serra, Romain	CA	IAC-17.A6.7.1
Sese, Rogel Mari	A	IAC-17.E1.6.5
Sese, Rogel Mari	CA	IAC-17.E3.1.8
Sese, Rogel Mari	A	IAC-17.E1.2.10
Seungju, Seo	CA	IAC-17.E6.1.9
Seurig, Roland	CA	IAC-17.A2.6.8
Seweryn, Karol	CA	IAC-17.A6.5.1
Sforzo, Brandon	CA	IAC-17.D3.2.4
Sgambati, Antonella	CA	IAC-17.D2.4.5
Sha, Jian-ke	CA	IAC-17.C4.9.10
Shafieenejad, Iman	A	IAC-17.A7.IP.2
Shaha, Darshan	CA	IAC-17.B2.6.8
Shaha, Darshan	CA	IAC-17.B2.6.9
Shaha, Darshan	CA	IAC-17.B2.7.7
Shams, Javad	CA	IAC-17.A7.IP.2
Shan, Minghe	A	IAC-17.A6.5.6
Shanbhag, Gayatri	CA	IAC-17.D1.5.5
Shang, Xiaopeng	A	IAC-17.D2.2.12
Shankar, Divya	CA	IAC-17.C2.6.12
Shankar, Divya	CA	IAC-17.A3.IP.7
Shaobo, Wang	CA	IAC-17.B2.3.11
Shaobo, Wang	CA	IAC-17.B2.4.8
Shar, Mansoor	A	IAC-17.D3.2.2
Sharaf, Omran	A	IAC-17.A3.3A.2
Sharafi, Ayesha	CA	IAC-17.A3.IP.39
Sharma, Abhishek	A	IAC-17.C4.3.3
Sharma, Abhishek	A	IAC-17.C4.5.4
Sharma, Avinash	CA	IAC-17.B2.6.5
Sharma, C.P.	CA	IAC-17.D1.5.5
Sharma, Mukund	CA	IAC-17.E1.7.8
Sharma, Shubham	CA	IAC-17.E2.4.7
Sharma, Srinagesh	CA	IAC-17.A6.9.5
Sharma, Srinagesh	CA	IAC-17.A6.10-B4.10.8
Shastry, Rohit	A	IAC-17.C4.4.4
Shaw, Matthew	CA	IAC-17.B3.9-GTS.2.9
Shaw, Niamh	A	IAC-17.E5.3.11
She, Wenxue	CA	IAC-17.D2.IP.14
She, Wenxue	CA	IAC-17.B3.7.7
SHE, ZHIYONG	CA	IAC-17.C1.4.7
She, Zhiyong	CA	IAC-17.B3.7.7
Sheard, Ben	CA	IAC-17.A6.6.3
Sheffield, Alec	CA	IAC-17.A1.IP.17
SHEHAJ, Endrit	CA	IAC-17.B2.3.1
Sheldon, Colin	CA	IAC-17.B2.6.5
Shen, Lin	CA	IAC-17.D2.IP.23
Shen, Tingzheng	CA	IAC-17.C4.4.11
Shen, Yan	A	IAC-17.C4.IP.42
Shengnan, Bao	CA	IAC-17.C4.9.2

Shenshan, CUI	A	IAC-17.C2.IP.17
Shepanek, Marc	CA	IAC-17.A1.3.2
Sheridan, Simon	CA	IAC-17.A3.2B.10
Sherwood, Brent	A	IAC-17.A7.1.6
Sherwood, Brent	A	IAC-17.A1.6.1
Shi, Anrui	A	IAC-17.C1.1.1
Shi, Anrui	CA	IAC-17.B6.IP.9
Shi, Anrui	CA	IAC-17.C1.IP.6
Shi, Hang	A	IAC-17.B2.IP.15
Shi, Heng	CA	IAC-17.A7.3.12
Shi, Jimei	CA	IAC-17.C3.3.4
Shi, Lei	A	IAC-17.C4.9.9
Shi, Miqing	CA	IAC-17.C4.IP.25
Shi, Pingyan	CA	IAC-17.B2.8-GTS.3.5
Shi, Qingping	CA	IAC-17.B2.IP.18
Shi, Yongkang	A	IAC-17.A6.IP.43
Shi, Yongqiang	CA	IAC-17.A7.3.12
Shi, Yu-yang	CA	IAC-17.C4.9.10
Shi, Zengkai	A	IAC-17.C4.IP.16
Shibasaki, Yusuke	CA	IAC-17.C1.IP.26
Shifa, Madni	CA	IAC-17.C2.8.3
Shih, Ta-Ming	CA	IAC-17.D6.1.6
Shihora, Siddharth	CA	IAC-17.D4.2.3
Shijie, Xu	CA	IAC-17.C1.8.10
Shimada, Takanobu	CA	IAC-17.A3.2B.4
Shimada, Toru	CA	IAC-17.C4.2.10
Shimada, Toru	CA	IAC-17.C4.IP.29
Shimamiya, Tamiyasu	CA	IAC-17.A1.3.12
Shimizu, Masahiko	CA	IAC-17.D2.2.4
Shimoda, Takayuki	CA	IAC-17.B4.6A.10
Shimoyama, Hajime	CA	IAC-17.E5.3.10
Shin, Hyu-Soung	CA	IAC-17.E1.5.5
Shing, Ming Tony	CA	IAC-17.C1.IP.33
Shiomi, Kenta	CA	IAC-17.D2.IP.12
Shiota, Ichiro	CA	IAC-17.A6.3.9
Shiotani, Bungo	CA	IAC-17.E1.3.8
Shiotani, Bungo	A	IAC-17.A6.3.6
Shiotani, Bungo	A	IAC-17.A6.IP.41
Shirakawa, Masaki	CA	IAC-17.B3.3.1
Shirasaka, Seiko	CA	IAC-17.B6.2.4
Shireman, Kirk	CA	IAC-17.B3.1.6
Shirobokov, Maksim	A	IAC-17.C1.7.4
Shiroyama, Hideaki	CA	IAC-17.E3.1.8
Shivrin, Matthew	CA	IAC-17.C2.1.11
Shkuratov, Yuriy	CA	IAC-17.A3.2A.8
Shojaee, Shila	CA	IAC-17.A6.4.5
Sholes, Beth	CA	IAC-17.A3.IP.39
Shrestha, Safal	CA	IAC-17.E1.3.6
Shyam, Ghan	CA	IAC-17.B2.1.8
Shynkarenko, Olexiy	CA	IAC-17.C4.IP.48
Shypko, Olexiy	A	IAC-17.E8.1.2
Siara, Kilian	CA	IAC-17.E6.IP.5
Sibille, Laurent	CA	IAC-17.D3.2.4
Siddiqui, Rehan	CA	IAC-17.B1.IP.8
Sido, Alexander	CA	IAC-17.B4.6B.2
Siecinski, Kamil	CA	IAC-17.A2.3.9
Sieder, Jan	CA	IAC-17.C4.IP.38
Siemion, Andrew	A	IAC-17.A4.1.2
Siemion, Andrew	CA	IAC-17.A4.1.3
Silberman, Kenneth	CA	IAC-17.E1.7.9
Silburn, Ken	CA	IAC-17.E1.7.8
Silha, Jiri	CA	IAC-17.A6.1.9
Sills, Liam	CA	IAC-17.B4.4.5
Silpathong, Chaowalit	CA	IAC-17.E5.5.7
Silva, Alexandra	CA	IAC-17.B1.IP.1
Silva-Martinez, Jackelynne	A	IAC-17.B3.9-GTS.2
Silvestrini, Stefano	A	IAC-17.C4.IP.14
Silvestrini, Stefano	CA	IAC-17.C4.8-B4.5A.4
Simard, Benoit	CA	IAC-17.C2.8.12
Simioni, Emanuele	CA	IAC-17.B3.IP.4
Simioni, Emanuele	CA	IAC-17.A3.5.3
Simlot, Vinay	CA	IAC-17.C3.IP.2
Simolka, Jonas	CA	IAC-17.A6.IP.4
Simonetti, Antonella	A	IAC-17.B4.9-GTS.5.4
Simonov, Mikhail	CA	IAC-17.A6.4.2
Simpson, Michael	A	IAC-17.E6.2.1
Simpson, Michael	A	IAC-17.E7.5.10
Sinapius, Michael	CA	IAC-17.C2.2.3
SINGH, AMANJOT	A	IAC-17.C2.5.13
SINGH, AMANJOT	A	IAC-17.D6.3.8
SINGH, SHUBHAM	CA	IAC-17.A5.IP.11
Singh, Suraj	CA	IAC-17.A6.4.4
Singh-Derewa, Chrishma	A	IAC-17.D1.1.11
Singh-Derewa, Chrishma	A	IAC-17.D1.2.4
Singh-Derewa, Chrishma	A	IAC-17.D2.3.9
Singh-Derewa, Chrishma	A	IAC-17.B4.5.9
Singh-Derewa, Chrishma	A	IAC-17.A3.IP.18
Singh-Derewa, Chrishma	A	IAC-17.C4.6.10
Singhal, Aman	CA	IAC-17.B3.2.8
Singhal, Aman	CA	IAC-17.E1.IP.15
Singhal, Aman	CA	IAC-17.C4.7-C3.5.2
Singhal, Aman	CA	IAC-17.D4.4.7
Sinha, Manoranjan	CA	IAC-17.C1.4.10
Sinha, Vartika	CA	IAC-17.B1.5.4
Sinha Roy, Sonali	A	IAC-17.D2.3.8
Sinn, Thomas	A	IAC-17.C2.2.2
Sinn, Thomas	A	IAC-17.B4.6A.5
Sinn, Thomas	A	IAC-17.A6.IP.14
Sinn, Thomas	CA	IAC-17.E1.1.7
Sinogas, Pedro	CA	IAC-17.B1.3.8
Sinogas, Pedro	CA	IAC-17.D5.3.3
Sippel, Martin	CA	IAC-17.D2.4.3
Sippel, Martin	A	IAC-17.D2.4.4
Sisaïd, Idriss	CA	IAC-17.A3.2B.12
Sisaïd, Idriss	CA	IAC-17.D3.2.8
Sisaïd, Idriss	CA	IAC-17.C3.3.7
Sisaïd, Idriss	CA	IAC-17.E5.3.11
Sisaïd, Idriss	CA	IAC-17.D3.3.10
Siti Harwani, Md Yusoff	A	IAC-17.B1.IP.26
Sitruk, Amiel	CA	IAC-17.B2.5.2
Situlin, Roberta	CA	IAC-17.A1.3.3
Sivan, K.	CA	IAC-17.C4.9.6
Sivolap, Valeriy	CA	IAC-17.B3.5.5
Skanke, Petter Evju	CA	IAC-17.E4.3B.4
Skardzińska, Barbara	A	IAC-17.E7.IP.3
Skinner, Jerry	A	IAC-17.E1.6.10
Skinner, Mark A.	A	IAC-17.A6.1.6
Skolmi, Jan	CA	IAC-17.B4.5.5
Skolmi, Jan	CA	IAC-17.B4.5.6
Skonieczny, Lukasz	CA	IAC-17.B1.4.5
Skoroden, Yaroslav	CA	IAC-17.A6.IP.3
Skryleva, Eugenia	CA	IAC-17.A2.2.6
Skvortsov, Sergey	CA	IAC-17.A5.IP.8
Skórski, Maciej	CA	IAC-17.A2.5.2
Slavinskis, Andris	CA	IAC-17.C1.1.10
Slavinskis, Andris	CA	IAC-17.C2.1.6
Slenzka, Klaus	CA	IAC-17.A1.6.9
Slenzka, Klaus	CA	IAC-17.A1.7.10
Sloan, John	CA	IAC-17.D6.1.4
Sloan, John	A	IAC-17.E7.7-B3.8.4
Slocki, Dylan J.	CA	IAC-17.D5.3.8
Slotten, Joel	A	IAC-17.A6.5.11
Smal, Evan	CA	IAC-17.E1.IP.33
Small, Lindsay	A	IAC-17.E5.5.10
Smart, Michael	CA	IAC-17.C4.9.16
Smart, Michael	CA	IAC-17.D2.7.4
Smetek, Jaromir	CA	IAC-17.A2.5.2
Smirnov, Nickolay N.	A	IAC-17.A2.2.3
Smirnov, Nickolay N.	CA	IAC-17.A2.2.6
Smirnov, Nickolay N.	CA	IAC-17.A2.4.5
Smirnova, Maria	CA	IAC-17.A2.2.3
Smisek, Jan	CA	IAC-17.B3.6-A5.3.3
Smisek, Michal	CA	IAC-17.A3.IP.31
Smith, Alan	CA	IAC-17.B4.2.5
Smith, Brenton	CA	IAC-17.B2.IP.14
Smith, Craig	CA	IAC-17.A6.6.3
Smith, Daniel	CA	IAC-17.B4.3.14
Smith, Garin	CA	IAC-17.B5.2.6
Smith, Joseph	CA	IAC-17.D2.6.2
Smith, Katharine	CA	IAC-17.D1.1.2

Smith, Katharine	CA	IAC-17.C4.6.5
Smith, Michael	CA	IAC-17.A3.IP.11
Smith, Phil	CA	IAC-17.E3.3.1
Smith, Phil	A	IAC-17.E6.3.6
Smith, Phil	CA	IAC-17.E3.IP.7
Smith, Walter F.	CA	IAC-17.A3.4B.5
Snell, Holly	A	IAC-17.C2.6.4
Snodgrass, Colin	CA	IAC-17.A3.IP.53
Snyder, John Steven	CA	IAC-17.C4.4.3
Soares, Carlos	A	IAC-17.A3.3B.7
Soares, Tiago	CA	IAC-17.A6.4.6
Soares, Tiago	CA	IAC-17.A6.4.7
Soares, Tiago	CA	IAC-17.A6.4.9
Sobczak, Kamil	CA	IAC-17.C4.3.4
Sobczak, Kamil	CA	IAC-17.C4.IP.21
Sobczak, Kamil	CA	IAC-17.A2.5.2
Sogame, Akito	CA	IAC-17.E5.1.3
Sohl, Frank	CA	IAC-17.A3.IP.31
Sohl, Frank	CA	IAC-17.A3.2C.3
Soken, Halil Ersin	A	IAC-17.C1.1.3
Sokhin, Igor G.	A	IAC-17.B3.5.5
Sola, Dan	CA	IAC-17.B5.1.4
Solberg, Margot	A	IAC-17.E1.1.2
Sole-Agostinelli, Thibaud	CA	IAC-17.A2.3.4
Sollazzo, Claudio	CA	IAC-17.B3.9-GTS.2
Solomakha, Andrii	CA	IAC-17.A1.IP.25
Solomina, Olga	CA	IAC-17.B3.3.4
Solorzano, Elias	A	IAC-17.C1.IP.27
Solorzano, Elias	A	IAC-17.E1.IP.22
Solovyev, Sergey V.	CA	IAC-17.B3.4-B6.5.10
Soma, Eriko	CA	IAC-17.A6.3.9
Soma, Tomoya	CA	IAC-17.C4.1.12
Somma, Gian Luigi	A	IAC-17.A6.IP.36
Sommer, Bernd	A	IAC-17.D4.1.2
Song, Jiangzhou	CA	IAC-17.A2.4.7
Song, Junling	A	IAC-17.C4.9.7
Song, Junling	CA	IAC-17.B2.8-GTS.3.6
Song, Xin	CA	IAC-17.B4.7.3
Song, Yiqiao	CA	IAC-17.B2.7.9
Soontranon, Narut	CA	IAC-17.E5.5.7
Sorace, Roberta	CA	IAC-17.E3.3.5
Sorge, Marlon	A	IAC-17.A6.2.5
Sorge, Marlon	CA	IAC-17.A6.3.6
Sorgenfrei, Matthew	A	IAC-17.A3.2B.3
Soria-Salinas, Álvaro Tomás	A	IAC-17.A2.3.6
Sorli, Massimo	CA	IAC-17.D2.3.4
Sorli, Massimo	CA	IAC-17.A6.IP.21
Sorokin, Igor V.	CA	IAC-17.B3.3.1
Sorokin, Igor V.	A	IAC-17.B3.3.6
Sors Raurell, Daniel	CA	IAC-17.E6.1.1
Sosyurka, Yury	CA	IAC-17.B3.5.5
Sotin, Christophe	CA	IAC-17.A7.1.6
Soucek, Alexander	CA	IAC-17.E3.4.8
Soulas, George	CA	IAC-17.C4.4.4
Soulier, Guilhem	CA	IAC-17.C3.2.7
Soulier, Guilhem	CA	IAC-17.E5.5.2
Sousa, Mário	CA	IAC-17.D5.3.3
Southern, Theodore C.	CA	IAC-17.B3.2.6
Southwell, Benjamin	A	IAC-17.B1.IP.12
Southwell, Benjamin	CA	IAC-17.C1.IP.1
Spannagel, Ruven	A	IAC-17.C2.IP.14
Spassova, Simona	A	IAC-17.E7.3.5
Spataro, Francesca	CA	IAC-17.A6.4.5
Spena, Angelo	CA	IAC-17.E1.IP.27
Spena, Paola	CA	IAC-17.C2.6.9
Spencer, David	CA	IAC-17.C1.5.11
Spencer, David	CA	IAC-17.A6.5.2
Spencer, David B.	CA	IAC-17.D3.4.8
Speretta, Stefano	A	IAC-17.B1.6.6
Sperl, Matthias	CA	IAC-17.A3.2C.2
Sperl, Matthias	CA	IAC-17.C2.9.13
Speyer, Jason	CA	IAC-17.B2.1.7
Spieler, Michael	CA	IAC-17.E2.3-GTS.4.4
Spieler, Patrick	A	IAC-17.E2.3-GTS.4.4
Spiero, François	CA	IAC-17.A3.1.1
Spiero, François	CA	IAC-17.A5.1.1
Spitler, Lee	CA	IAC-17.A7.2.2
Spitzbart, Manfred	CA	IAC-17.C4.5.9
Sporie, Sean	A	IAC-17.C2.9.7
Sprinkle, Tara RuthAnn	A	IAC-17.D1.4B.4
Sprößwitz, Tom	CA	IAC-17.A6.IP.14
Spydevold, Ivar	CA	IAC-17.B2.7.4
Spörl, Andreas	CA	IAC-17.B4.3.9
Srama, Ralf	CA	IAC-17.A6.IP.4
Srinivasan, Dipak	A	IAC-17.B2.6.5
Srivastava, Pulak	CA	IAC-17.D4.1.4
Srivastava, Pulak	A	IAC-17.D4.1.11
Srivastava, Pulak	CA	IAC-17.A3.IP.28
Srivastava, Pulak	CA	IAC-17.D2.IP.20
St-Amour, Amélie	A	IAC-17.B1.IP.7
Staats, Kai	CA	IAC-17.B5.1.4
Stabile, Alessandro	A	IAC-17.C2.5.3
Stacy, Nicholas	CA	IAC-17.A3.4B.8
Stacy, Nick	A	IAC-17.D3.4.10
Staibano, Clelia	CA	IAC-17.A1.6.6
Stakkestad, Kjell	CA	IAC-17.E4.1.3
Stakkestad, Kjell	CA	IAC-17.A5.2.4
Stamatin, Ioan	CA	IAC-17.C2.IP.27
Stamminger, Andreas	CA	IAC-17.A2.3.2
Stamminger, Andreas	CA	IAC-17.E1.IP.25
Stamminger, Andreas	A	IAC-17.A2.5.3
Stamov, Lyuben	CA	IAC-17.A2.4.5
Stanton, Richard	A	IAC-17.A4.1.10
Stanzione, Vincenzo	A	IAC-17.B4.6A.1
Stappert, Sven	CA	IAC-17.D2.4.3
Stappert, Sven	CA	IAC-17.D2.4.4
Stappert, Sven	CA	IAC-17.D2.6.1
Starinova, Olga	A	IAC-17.C1.IP.28
Starr, Stanley	CA	IAC-17.D3.3.1
Statt, Sebastian	CA	IAC-17.A7.2.7
Stausland, Christoffer	CA	IAC-17.E1.4.8
Steen, Andrew J.	CA	IAC-17.D2.4.11
Steen, Andrew J.	A	IAC-17.B1.IP.28
Steenkamp, Leon	CA	IAC-17.B4.4.11
Steer, Cassandra	CA	IAC-17.E7.5.7
Steeves, Geoff	CA	IAC-17.E1.IP.33
Stefanescu, Alexander	CA	IAC-17.A7.IP.3
Stefanov, Liviu	CA	IAC-17.B6.3.7
Stefoudi, Dimitra	A	IAC-17.E7.1.2
Stefoudi, Dimitra	CA	IAC-17.E7.2.12
Stefoudi, Dimitra	A	IAC-17.B1.6.7
Steidle, Florian	CA	IAC-17.A3.IP.31
Steimle, Christian	A	IAC-17.B3.4-B6.5.6
Steimle, Christian	CA	IAC-17.B4.5.1
Steimle, Christian	A	IAC-17.D1.6.4
Steinberg, Alan	CA	IAC-17.E1.IP.7
Steiner, Jochen	CA	IAC-17.A3.IP.30
Steinpilz, Tobias	CA	IAC-17.E1.3.12
Stephens, Dale	A	IAC-17.E7.5.5
Sterckx, Sindy	CA	IAC-17.B1.2.6
Stesina, Fabrizio	CA	IAC-17.B4.3.3
Stettner, Armin	A	IAC-17.A2.6.8
Stevens, Chris	A	IAC-17.E3.6.4
Stevenson, Emma	CA	IAC-17.A6.2.9
Stewart, Brian	CA	IAC-17.B4.1.8
Stewart, Brian	CA	IAC-17.B4.6B.3
Stewart, Brian	CA	IAC-17.B6.3.12
Stewart, Paul	A	IAC-17.D2.IP.19
Stewart, Paul	A	IAC-17.B1.5.8
Steyn, Willem (Herman)	CA	IAC-17.A6.6.4
Stiles, Amanda	CA	IAC-17.A3.2A.5
Stimpel, Olivia	CA	IAC-17.A1.8.6
Stodieck, Louis	CA	IAC-17.A1.6.8
Stojanovski, Lisa	A	IAC-17.E1.6.9
Stojanovski, Lisa	A	IAC-17.E1.8.7
Stolfi, Angelo	A	IAC-17.C2.2.4
Stoll, Enrico	CA	IAC-17.A6.4.10
Stoll, Enrico	CA	IAC-17.B1.IP.3
Stoll, Enrico	CA	IAC-17.D1.IP.6
Stoll, Enrico	CA	IAC-17.E2.4.6
Stoll, Enrico	CA	IAC-17.A6.10-B4.10.2
Stone, Dennis	CA	IAC-17.E1.7.5
Stone, Edward C.	CA	IAC-17.D4.4.2
Stove, Andrew	CA	IAC-17.B1.3.3
Strain, Andrew	CA	IAC-17.B4.4.11
Straub, Jeremy	A	IAC-17.E1.4.10
Straub, Jeremy	CA	IAC-17.D1.3.2
Straub, Jeremy	CA	IAC-17.A3.IP.27
Straub, Jeremy	CA	IAC-17.A6.6.9
Straub, Jeremy	CA	IAC-17.B3.6-A5.3.6
Straub, Jeremy	CA	IAC-17.C2.9.6
Straub, Jeremy	CA	IAC-17.D4.4.9
Straub, Jeremy	CA	IAC-17.E1.2.4
Strimfors, Victor	CA	IAC-17.E5.1.9
Strollo, Felice	A	IAC-17.A1.2.13
Stroup, Tom	CA	IAC-17.E3.3.1
Stuart, Jeffrey	A	IAC-17.B4.3.12
Stuart, Jeffrey	A	IAC-17.C1.4.2
Stubbe, Peter	A	IAC-17.E3.4.6
Stuchbery, Alex	CA	IAC-17.C4.8-B4.5A.2
Stuffler, Timo	CA	IAC-17.D2.4.5
Stürzl, Wolfgang	CA	IAC-17.A3.IP.31
Stützer, Robert	A	IAC-17.C4.3.5
Su, Fei	A	IAC-17.A6.IP.22
Su, Hua	A	IAC-17.D1.IP.19
Su, Ling	CA	IAC-17.B4.5.12
Su, Miao	A	IAC-17.D5.2.4
Suatoni, Matteo	A	IAC-17.C1.3.9
Suatoni, Matteo	CA	IAC-17.A3.4B.10
Suchantke, Isabell	CA	IAC-17.C1.2.10
Suedfeld, Peter	A	IAC-17.A1.1.1
Suedfeld, Peter	CA	IAC-17.A1.1.2
Suedfeld, Peter	CA	IAC-17.A1.1.3
Suess, Ruediger	A	IAC-17.E3.IP.2
Sugimoto, Kazuki	CA	IAC-17.B4.2.1
Sugimura, Takuya	A	IAC-17.E7.1.6
Sugita, Naoko, Inaba	CA	IAC-17.E7.4.4
Suguo, Zhuang	A	IAC-17.C4.5.10
Sukkarieh, Salah	CA	IAC-17.E1.IP.39
Sumita, Anzu	CA	IAC-17.C2.2.5
SUN, Binglei	A	IAC-17.B1.2.10
Sun, Bo	CA	IAC-17.D5.1.6
Sun, Dechuan	A	IAC-17.C4.IP.30
Sun, Feiyi	CA	IAC-17.A1.5.8
Sun, Geng	CA	IAC-17.B2.6.10
Sun, Hao	A	IAC-17.A1.IP.1
Sun, Jinfeng	A	IAC-17.C1.5.5
Sun, Jinfeng	A	IAC-17.C1.IP.19
Sun, Jun	CA	IAC-17.B3.7.9
Sun, Kaipeng	A	IAC-17.C2.IP.23
Sun, Lingli	CA	IAC-17.E3.IP.11
Sun, Mingming	A	IAC-17.C4.4.13
Sun, Qiao	A	IAC-17.A1.IP.3
Sun, Rong	A	IAC-17.B2.7.6
Sun, Ting	A	IAC-17.C1.1.12
Sun, Xuan	A	IAC-17.C2.IP.33
Sun, Xun	CA	IAC-17.B4.6B.8
Sun, Yeqing	CA	IAC-17.A1.5.1
Sun, Yueqiang	CA	IAC-17.A1.5.1
Sundaram, Ramakrishnan	A	IAC-17.D2.1.8
Surdo, Leonardo	CA	IAC-17.A3.2B.10
Surmacz, Pawel	A	IAC-17.C4.3.4
Surmacz, Pawel	CA	IAC-17.A6.5.4
Surmacz, Pawel	A	IAC-17.C4.IP.21
Surmacz, Pawel	CA	IAC-17.A2.5.2
Suslov, Dmitry	CA	IAC-17.C4.5.3
Suslov, Dmitry	CA	IAC-17.C4.10.12
Sutoh, Masataku	CA	IAC-17.A3.2B.4
Suzuki, Hideyuki	CA	IAC-17.E1.3.10
Suzuki, Kazuto	A	IAC-17.E3.4.3
Suzuki, Nantel	CA	IAC-17.D3.3.1
Suzuki, Yuto	A	IAC-17.D4.3.3
Svistkov, Alexander	CA	IAC-17.C2.IP.10
Svoboda, Eugen	A	IAC-17.A3.IP.14
Svotina, Victoria	CA	IAC-17.C4.4.14
Swan, Peter	A	IAC-17.D4.3.1
Swan, Peter	A	IAC-17.D4.3.8
Swan, Peter	A	IAC-17.D4.5.1
Sweeting, Martin	CA	IAC-17.B4.1.4
Sweeting, Martin	CA	IAC-17.B4.4.5
Sweeting, Martin	CA	IAC-17.B4.4.6
Sweeting, Martin	CA	IAC-17.B4.5.5
Sweeting, Martin	CA	IAC-17.B4.7.6
Swinney, Rob	CA	IAC-17.E6.2.5
Syafrudin, A. Hadi	CA	IAC-17.B1.IP.10
Syafrudin, A. Hadi	A	IAC-17.B6.IP.4
Sychev, Vladimir	CA	IAC-17.A1.8.4
Sychkov, Vladislav	A	IAC-17.B3.IP.11
Szabo, Peter	CA	IAC-17.D1.6.5
Sznajder, Maciej	CA	IAC-17.A6.IP.14
SÁNCHEZ, JESÚS BRIAN	CA	IAC-17.A1.IP.20
Sánchez Pérez, Jose Manuel	CA	IAC-17.C1.9.5
Sárhegyi, István	CA	IAC-17.E3.1.2
Sárhegyi, István	CA	IAC-17.E1.4.6
Sárhegyi, István	CA	IAC-17.E6.3.4
Söllner, Gerd	CA	IAC-17.B3.4-B6.5.3
Sütterlin, Saskia	CA	IAC-17.E1.3.12

T

Name	Role	Paper
T, Jayachandran	CA	IAC-17.C2.1.12
T, Jayachandran	CA	IAC-17.C2.4.8
T, Jayachandran	CA	IAC-17.A3.IP.20
Tabarah, Edward	CA	IAC-17.B3.1.5
Tabor, Mark	CA	IAC-17.B5.2.6
Tachibana, Kazushi	CA	IAC-17.B4.2.1
Tachikawa, Sumitaka	CA	IAC-17.C2.7.5
Tachikawa, Sumitaka	CA	IAC-17.C2.8.11
Tachikawa, Sumitaka	CA	IAC-17.C2.9.12
Taguchi, Hideyuki	CA	IAC-17.E7.4.4
Taheran, Mahsa	A	IAC-17.D1.IP.13
Taheran, Mahsa	A	IAC-17.E8.1.4
TAHIR, ANDI MUKHTAR	CA	IAC-17.B1.IP.24
TAHIR, ANDI MUKHTAR	CA	IAC-17.C2.7.2
Tahtadjiev, Milen	A	IAC-17.B2.IP.3
Taiatu, Claudiu Mihai	A	IAC-17.E7.1.11
Taillebot, Virginie	CA	IAC-17.B3.5.4
Tajmar, Martin	CA	IAC-17.C4.IP.1
Tajmar, Martin	A	IAC-17.C4.IP.11
Tajmar, Martin	CA	IAC-17.C4.IP.38
Tajmar, Martin	A	IAC-17.C4.7-C3.5.10
Tajmar, Martin	CA	IAC-17.A7.3.6
Takagi, Kentaro	CA	IAC-17.C2.2.5
Takahashi, Kazunori	CA	IAC-17.C4.4.15
Takahashi, Kazunori	A	IAC-17.A6.5.5
Takahashi, Kazunori	CA	IAC-17.A7.3.5
Takahashi, Ryo	CA	IAC-17.E5.3.10
Takahashi, Sakurako	CA	IAC-17.D4.3.3
Takahashi, Tadateru	CA	IAC-17.A3.4A.7
Takahashi, Tadateru	CA	IAC-17.B6.3.1
Takahashi, Yozan Takahashi	CA	IAC-17.E5.1.3
Takao, Yuki	CA	IAC-17.E6.1.9
Takeda, Koji	CA	IAC-17.C3.2.2
Takei, Yuto	CA	IAC-17.A3.4A.7
Takei, Yuto	A	IAC-17.B6.3.1
Takeshita, Hiroshi	CA	IAC-17.A1.3.12
Takeuchi, Hiroshi	CA	IAC-17.B6.3.1
Takeuchi, Yu	CA	IAC-17.E7.4.4
Takeuchi, Yu	A	IAC-17.E7.5.3
Tal, Ro-ee	CA	IAC-17.B4.6B.14
Talati, Anuraj	CA	IAC-17.D3.3.11
Talla, Roman	CA	IAC-17.A1.2.6
Tam, Jessica	CA	IAC-17.D3.3.11
Tamakoshi, Daisuke	A	IAC-17.C1.8.4
Tamrazian, Sebastian	CA	IAC-17.B4.2.8
Tamura, Keisuke	CA	IAC-17.B4.2.1
Tamura, Takashi	CA	IAC-17.C4.1.3
Tan, Cheng Hai	CA	IAC-17.E3.1.8

Tan, Dominic	CA	IAC-17.C4.1.13
Tan, Dominic	CA	IAC-17.E1.4.7
Tan, Dominic	CA	IAC-17.C4.IP.19
Tan, Ernest	CA	IAC-17.B3.4-B6.5.11
Tan, Jingwen	CA	IAC-17.B2.IP.13
Tan, Juan	CA	IAC-17.D4.2.3
Tan, Yonghua	CA	IAC-17.C4.IP.5
Tan, Yonghua	CA	IAC-17.C4.IP.15
Tanaka, Atomu	A	IAC-17.D5.3.2
Tanaka, Erika	CA	IAC-17.E6.1.9
Tanaka, Hiroaki	A	IAC-17.C2.2.5
Tanaka, Hiroaki	CA	IAC-17.A6.IP.25
Tanaka, Kazuhisa	CA	IAC-17.C1.IP.25
Tanaka, Koji	A	IAC-17.C3.1.2
Tanaka, Koji	A	IAC-17.C3.1.4
Tanaka, Koji	A	IAC-17.C3.1.9
Tanaka, Koji	CA	IAC-17.C3.2.9
Tanaka, Koji	CA	IAC-17.A6.3.9
Tanaka, Naohiro	CA	IAC-17.C3.2.9
Tanaka, Satoshi	CA	IAC-17.A3.4A.7
Tanaka, Satoshi	CA	IAC-17.A3.4A.9
Tanaka, Yuri	A	IAC-17.E5.3.10
Tang, Biwei	CA	IAC-17.A2.4.7
Tang, Bo	CA	IAC-17.B1.4.2
Tang, Jingshi	A	IAC-17.A6.IP.13
Tang, Jingshi	CA	IAC-17.C1.8.11
Tang, Jingshi	CA	IAC-17.C1.8.12
Tang, Jingshi	CA	IAC-17.C1.8.13
Tang, Shuo	CA	IAC-17.E1.3.11
Tang, Shuo	CA	IAC-17.D2.4.7
Tang, Shuo	CA	IAC-17.D2.IP.9
Tang, Wei	CA	IAC-17.A2.2.2
Tang, Yaqiong	A	IAC-17.C2.IP.24
Tang, Yaqiong	CA	IAC-17.C2.IP.38
Tang, Yongkang	CA	IAC-17.A1.IP.30
Tang, ZongSheng	CA	IAC-17.B2.IP.14
Tanhaei, Ghazal	CA	IAC-17.B1.IP.13
Tani, Yasuhiro	CA	IAC-17.C4.2.10
Tani, Yasuhiro	CA	IAC-17.D2.IP.12
Taniguchi, Daisuke	A	IAC-17.E1.2.12
Tank, Jens	CA	IAC-17.A1.2.10
Tank, Jens	CA	IAC-17.A1.2.11
Tanner, Forrest	CA	IAC-17.B4.6B.4
Tanno, Haruhito	CA	IAC-17.C4.2.2
Tantardini, Marco	A	IAC-17.B3.IP.4
Tao, Zhang	CA	IAC-17.A1.IP.1
Tappe, Jonas	CA	IAC-17.E1.3.12
Tardivel, Simon	CA	IAC-17.A3.4B.3
Tariq, Fawad	A	IAC-17.C2.8.3
Tasker, Elizabeth	CA	IAC-17.E1.IP.17
Tata Nardini, Flavia	CA	IAC-17.B6.1.1
Tate-Brown, Judy	CA	IAC-17.B3.3.1
Tatsukawa, Tomoaki	CA	IAC-17.E1.3.10
Tauber, Svantje	CA	IAC-17.A1.8.9
Taverner, Morgan	A	IAC-17.A1.7.9
Tawara, Yuzuru	CA	IAC-17.B4.2.1
Taylor, Ben	A	IAC-17.B4.1.8
Taylor, Ben	CA	IAC-17.B4.6B.3
Taylor, Ben	CA	IAC-17.B6.3.12
Taylor, Gabby	CA	IAC-17.E3.6.6
Taylor, Giorgio	CA	IAC-17.E4.3B.4
Taylor, Ian	CA	IAC-17.C4.9.17
Tchou-Kien, David	CA	IAC-17.C4.1.2
te Hennepe, Frank	CA	IAC-17.A7.2.9
te Hennepe, Frank	A	IAC-17.B1.2.3
Team, QUANTUS	CA	IAC-17.A2.3.2
Tebbe, Matthias	A	IAC-17.B2.4.5
Teil, Thibaud	A	IAC-17.C1.1.2
Teiser, Jens	CA	IAC-17.E1.3.12
Tejumola, Taiwo Raphael	A	IAC-17.B4.1.5
Temidayo Isaiah, Oniosun	A	IAC-17.E1.3.2
Temidayo Isaiah, Oniosun	A	IAC-17.E5.4.2
Temidayo Isaiah, Oniosun	CA	IAC-17.B2.8-GTS.3.8
Teng, Da-Peng	CA	IAC-17.B2.8-GTS.3.3
Teofilatto, Paolo	A	IAC-17.C1.4.6
Tepper, Eytan	A	IAC-17.D4.5.12
Tepper, Eytan	A	IAC-17.E7.5.9
Teriaca, Luca	CA	IAC-17.A7.2.11
Termtanasombat, Nawarat	CA	IAC-17.A3.4A.8
Termtanasombat, Nawarat	CA	IAC-17.A3.4A.9
Terpugov, Viktor	CA	IAC-17.C2.IP.10
Terui, Fuyuto	CA	IAC-17.A3.4A.9
Terzibaschian, Thomas	CA	IAC-17.B4.4.1
Teschl, Franz	CA	IAC-17.B2.3.2
Teselkin, Sergei Fedorovich	CA	IAC-17.A3.1.11
Teselkin, Sergei Fedorovich	CA	IAC-17.E6.IP.3
Tesmer, Volker	CA	IAC-17.A7.2.5
Tesser, Giorgio	CA	IAC-17.C2.IP.39
Teti, Daniele	CA	IAC-17.A6.IP.14
Tetlow, Matthew R.	CA	IAC-17.A6.1.4
Tetlow, Matthew R.	CA	IAC-17.B6.1.1
Tetlow, Matthew R.	CA	IAC-17.C1.4.11
Thakurta, Varun	CA	IAC-17.C3.3.9
Thaller, Michelle	CA	IAC-17.E1.IP.36
Thaller, Michelle	CA	IAC-17.E1.1.4
Thangavelautham, Jekanthan	CA	IAC-17.D3.3.2
Thankappan, Medhavy	CA	IAC-17.B1.6.1
Thapa, Jiten	CA	IAC-17.E1.3.6
Theil, Stephan	CA	IAC-17.C1.3.11
Theodorou, Ilias	A	IAC-17.A6.IP.31
Thess, Andre	CA	IAC-17.D3.1.5
Thiel, Cora S.	A	IAC-17.A1.8.9
Thiele, Thomas	CA	IAC-17.D2.6.1
Thiennviboon, Phunsak	A	IAC-17.B2.8-GTS.3.3
Thies, Manuel	CA	IAC-17.A3.5.9
Thirion, Guillaume	CA	IAC-17.A5.2.9
Thirion, Guillaume	CA	IAC-17.B3.IP.12
Thirkettle, Anthony Charles	CA	IAC-17.C2.1.1
Thoemel, Jan	CA	IAC-17.B4.2.5
Thomas, Anna	A	IAC-17.C4.10.7
Thomas, Daniel	A	IAC-17.D6.1.3
Thomas, Hubertus	CA	IAC-17.A2.6.8
Thomas Jayachandran, Aurthur Vimal-achandran	A	IAC-17.D4.1.8
Thomas Jayachandran, Aurthur Vimal-achandran	CA	IAC-17.A2.4.8
Thomas Jayachandran, Aurthur Vimal-achandran	A	IAC-17.B2.IP.8
Thomas Jayachandran, Aurthur Vimal-achandran	A	IAC-17.E7.IP.13
Thompson, Robin	CA	IAC-17.B1.IP.13
Thomsen, Felix	CA	IAC-17.E1.IP.28
Thro, Caroline	CA	IAC-17.E1.IP.12
Thro, Caroline	A	IAC-17.E7.7-B3.8.3
Thronson, Harley	CA	IAC-17.E3.1.4
Thumm, Tracy	CA	IAC-17.B3.3.1
Tian, Hui	A	IAC-17.C4.2.11
Tian, Hui	CA	IAC-17.C4.IP.25
Tian, Jia	A	IAC-17.B2.8-GTS.3.5
Tian, Yao	CA	IAC-17.D1.4A.11
Tian, Yu	CA	IAC-17.A1.IP.12
Tian, Zheng	CA	IAC-17.C2.6.3
Tianyang, Yang	A	IAC-17.D2.4.9
Ticker, Ronald	CA	IAC-17.B3.1.7
Tiedemann, Lars	CA	IAC-17.A6.IP.14
Tietgens, Alena	CA	IAC-17.E6.3.1
Tikare, Kiran	CA	IAC-17.A5.2.9
Tikare, Kiran	CA	IAC-17.D4.2.8
Tikare, Kiran	CA	IAC-17.B3.5.2
Tikhomirov, Alexander A.	CA	IAC-17.A1.IP.28
Tikhomirov, Alexander A.	CA	IAC-17.A1.7.3
Tikhomirova, Natalia	CA	IAC-17.A1.IP.28
Timm, Marc	CA	IAC-17.D6.1.3
Timmermans, Remco	A	IAC-17.E1.6.7
Timmermans, Remco	A	IAC-17.E1.7.1
Timoshenko, Valeriy	CA	IAC-17.D1.1.6
Tinetti, Giovanna	CA	IAC-17.A7.2.4
ting SONG, Wen	CA	IAC-17.C1.IP.13
Tinjod, Nathalie	A	IAC-17.E4.1.7
Tiseo, Barbara	CA	IAC-17.C2.9.10
Tisserand, Isabelle	A	IAC-17.E3.6.3

Tiwana, Jenna	CA	IAC-17.D4.2.3
Tkachev, Stepan	CA	IAC-17.C1.2.3
Todd, Jessica	CA	IAC-17.B4.1.6
Tofil, Todd	CA	IAC-17.C4.4.3
Tokarz, Marta	CA	IAC-17.A3.4B.3
Tokudome, Shinichiro	CA	IAC-17.D2.1.6
Tokudome, Shinichiro	CA	IAC-17.C4.2.2
Tokuta, Alade	CA	IAC-17.E1.5.9
Tomasek, Jakub	CA	IAC-17.A3.IP.30
Tomilin, Dmitry	CA	IAC-17.C4.4.5
Tomioka, Kota	A	IAC-17.C2.9.12
Tommasi, Leonardo	CA	IAC-17.A3.5.3
Tommei, Giacomo	CA	IAC-17.A3.5.4
Tomooka, Masashi	CA	IAC-17.D1.2.11
Tonck, Laurence	CA	IAC-17.A7.3.7
Tong, Feizhou	CA	IAC-17.A1.2.12
Tong, Tiefeng	CA	IAC-17.C2.IP.41
Tonicello, Ferdinando	CA	IAC-17.D3.1.7
Tonkin, Richard	CA	IAC-17.E4.3A.4
Tonti, Federica	CA	IAC-17.C4.10.12
Torn, Benjamin	CA	IAC-17.E2.3-GTS.4.5
Torn, Benjamin	CA	IAC-17.A5.2.6
Torn, Benjamin	CA	IAC-17.A5.1.12
Torn, Benjamin	CA	IAC-17.D4.3.11
Torn, Benjamin	CA	IAC-17.A3.2C.11
Tornabene, Livio	CA	IAC-17.B6.3.4
Torres, Armengol	CA	IAC-17.E1.7.5
Torres, Ramon	A	IAC-17.A6.4.5
Torresan, Stefano	CA	IAC-17.E2.3-GTS.4.5
Torresan, Stefano	A	IAC-17.A5.2.6
Torresan, Stefano	CA	IAC-17.A5.1.12
Torresan, Stefano	CA	IAC-17.D4.3.11
Torresan, Stefano	CA	IAC-17.A3.2C.11
Tortora, Jean-Jacques	CA	IAC-17.B2.8-GTS.3.2
Toson, Elena	CA	IAC-17.C4.8-B4.5A.3
Toth, Norbert	CA	IAC-17.A3.4A.8
Toth, Norbert	CA	IAC-17.A3.IP.31
Toth, Norbert	CA	IAC-17.A3.2C.3
Touboul, Pierre	CA	IAC-17.A2.1.7
Tourneur, Cyrille	CA	IAC-17.D1.6.4
Touzard, Jerome	CA	IAC-17.C2.1.1
Townes, Stephen	CA	IAC-17.B2.1.1
Townsend, Lawrence	A	IAC-17.A1.5.13
Toyoda, Kazuhiro	CA	IAC-17.D5.3.2
Toyota, Hiroyuki	CA	IAC-17.A3.4B.7
Traudt, Tobias	A	IAC-17.C4.1.5
Traudt, Tobias	CA	IAC-17.C4.10.12
Treuet, Jean-Charles	CA	IAC-17.A1.6.2
Trevor, Lawrence	CA	IAC-17.B4.1.6
Trezzolani, Fabio	CA	IAC-17.C4.8-B4.5A.3
Trifoni, Eduardo	CA	IAC-17.C2.4.9
Trifonov, Sergey	A	IAC-17.A1.IP.28
Trifonov, Sergey	CA	IAC-17.A1.7.3
Trigo, Isabel	CA	IAC-17.B1.IP.1
Triharjanto, Robertus	A	IAC-17.B4.1.13
Trisolini, Mirko	A	IAC-17.A6.IP.35
Trivailo, Pavel	CA	IAC-17.A3.5.8
Trivailo, Pavel M.	A	IAC-17.E1.7.10
TRIVEDY, SURANJANA	CA	IAC-17.C4.7-C3.5.4
Trofimov, Sergey	CA	IAC-17.C1.7.4
Trois, Alessio	CA	IAC-17.A4.1.8
Tronchetti, Fabio	A	IAC-17.E7.2.2
Tronchetti, Fabio	A	IAC-17.E7.4.5
Trotti, Matteo	CA	IAC-17.A6.10-B4.10.9
Trovatello, Marco	A	IAC-17.E1.9.5
Trucco, Roberto	CA	IAC-17.B3.IP.4
Trudel, Carole-Anne	CA	IAC-17.E2.3-GTS.4.9
Trusculescu, Marius Florin	CA	IAC-17.A3.4B.4
Trusculescu, Marius Florin	CA	IAC-17.B2.7.5
Tsakyridis, Georgios	CA	IAC-17.A3.2C.3
Tsang, Constantine	A	IAC-17.A7.2.8
Tsetserukou, Dzmitry	CA	IAC-17.A3.IP.7
Tsouvaltsidis, Catherine	CA	IAC-17.B1.IP.8
Tsuchida, Akira	CA	IAC-17.D2.5.13
Tsuchiyama, Akira	CA	IAC-17.A6.1.10
Tsuda, Yuichi	CA	IAC-17.A3.4A.7
Tsuda, Yuichi	CA	IAC-17.A3.4A.9
Tsuda, Yuichi	CA	IAC-17.B6.3.1
Tsuda, Yuichi	CA	IAC-17.C1.8.9
Tsujioka, Mitsutoshi	CA	IAC-17.D2.4.6
Tsujita, Daisuke	A	IAC-17.D2.4.1
Tuambilangana, Christelle	CA	IAC-17.B1.3.7
Tuchin, Andrey	CA	IAC-17.C1.7.7
Tuchin, Denis	CA	IAC-17.C1.7.7
Tucker, Brad	A	IAC-17.A7.3.1
Tugnoli, Matteo	CA	IAC-17.E5.IP.11
Tumino, Giorgio	CA	IAC-17.D2.6.3
Tunku, Tunku Intan Mainura	CA	IAC-17.E3.1.8
Tuozzi, Alberto	CA	IAC-17.E5.IP.13
Turnbull, Oliver	CA	IAC-17.B4.5.6
Turner, John	CA	IAC-17.A2.5.3
Turpie, Kevin	CA	IAC-17.B1.2.6
Turrini, Diego	CA	IAC-17.A7.2.4
Turton, James	CA	IAC-17.E2.3-GTS.4.5
Turton, James	CA	IAC-17.A5.2.6
Turton, James	CA	IAC-17.A5.1.12
Turton, James	CA	IAC-17.D4.3.11
Turton, James	CA	IAC-17.A3.2C.11
Turyshev, Slava G.	CA	IAC-17.A7.2.6
Tuttle, Sean	A	IAC-17.B4.6A.10
Tuttle, Sean	CA	IAC-17.B2.IP.14
Tuttle, Sean	CA	IAC-17.D5.3.6
Tuttle, Sean	CA	IAC-17.B4.8.8
Tye, Daniel	CA	IAC-17.A6.6.4
Tyldum, Vidar	CA	IAC-17.B6.1.8
Tyrou, Veronique	A	IAC-17.B6.3.7
Tyurenkova, Veronika	CA	IAC-17.A2.2.3
Tyurenkova, Veronika	CA	IAC-17.A2.2.6
Tyurenkova, Veronika	CA	IAC-17.A2.4.5
Tzevelecos, Wassilis	A	IAC-17.A2.3.8

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Name	Role	Paper
Uchitomi, Motoko	CA	IAC-17.E3.1.8
Udnæs, Frank	CA	IAC-17.B2.7.4
Ueda, Satoshi	A	IAC-17.C1.5.6
Ueda, Satoshi	CA	IAC-17.C1.IP.26
Uematsu, Hirohiko	CA	IAC-17.B3.1.3
Uemura, Yoshihiko	CA	IAC-17.A1.3.12
Ueno, Ichiro	CA	IAC-17.E1.3.10
Ueno, Seiya	CA	IAC-17.C1.IP.26
Uesugi, Kuninori	CA	IAC-17.E4.1.3
Ulamec, Stephan	CA	IAC-17.A3.4A.8
Ulamec, Stephan	CA	IAC-17.A3.4A.9
Ulamec, Stephan	A	IAC-17.D1.5.2
Ulamec, Stephan	CA	IAC-17.A3.4B.3
Ulamec, Stephan	CA	IAC-17.A3.4B.5
Ullah, Ismat	A	IAC-17.B2.3.8
Ullrich, Oliver	CA	IAC-17.A1.8.9
Umeda, Keisuke	A	IAC-17.D1.3.6
Umezawa, Kazuo	CA	IAC-17.B3.3.1
Umunna, Reuben Jikeme	CA	IAC-17.E1.7.5
Underwood, Craig	CA	IAC-17.B4.1.8
Underwood, Craig	A	IAC-17.A3.3A.10
Underwood, Craig	A	IAC-17.B1.3.3
Underwood, Craig	A	IAC-17.B4.6B.3
Underwood, Craig	CA	IAC-17.A6.10-B4.10.11
Unfried, Luciano	A	IAC-17.C2.2.1
Urbaniak, Camilla	A	IAC-17.A1.IP.16
Urbina, Diego	CA	IAC-17.B3.6-A5.3.1
Urbina, Diego	CA	IAC-17.C2.9.13
Urbina, Diego A.	A	IAC-17.A3.2B.10
Urbina, Diego A.	A	IAC-17.B3.5.4
Urbina, Diego A.	A	IAC-17.A3.2C.2
Urdanoz, Miguel	CA	IAC-17.A6.8.6
Ureña Carazo, Juan	CA	IAC-17.A6.7.4
Usenko, V	CA	IAC-17.A1.IP.25

Ushakova, Sofya	CA	IAC-17.A1.7.3
Usovik, Igor	A	IAC-17.A6.4.2
Utama, Satriya	CA	IAC-17.B1.IP.10
Utembe, Steven	CA	IAC-17.B1.2.9
Utzmann, Jens	CA	IAC-17.A6.1.5
Uzhinsky, Ighor	CA	IAC-17.D1.1.5

V

Name	Role	Paper
V, Eswaran	CA	IAC-17.A3.IP.20
V, Mahesh	CA	IAC-17.A3.IP.20
V S, Arun	CA	IAC-17.C4.5.8
V. Sardeshmukh, Swanand	CA	IAC-17.C4.IP.27
Vacca, Valentina	CA	IAC-17.A4.1.8
Vaghmare, Rajeev	A	IAC-17.C2.6.1
Vahl, Andreas	CA	IAC-17.D1.IP.6
Vaidya, Niramay	CA	IAC-17.B2.6.8
Vaidya, Niramay	CA	IAC-17.B2.6.9
Vaishampayan, Parag	CA	IAC-17.E1.7.8
Vaissiere, Magali	CA	IAC-17.B2.8-GTS.3.2
Valdatta, Marcello	CA	IAC-17.B2.3.3
Valencia Arroyo, Marco	CA	IAC-17.B5.1.4
Valencia Bel, Ferran	CA	IAC-17.C4.3.4
Valencia Bel, Ferran	CA	IAC-17.C4.IP.21
Valente, Giuseppe	CA	IAC-17.A4.1.8
Valente, Giuseppe	CA	IAC-17.B2.8-GTS.3.4
Valentini, Giovanni	CA	IAC-17.B3.3.1
Valentini, Giovanni	CA	IAC-17.B3.9-GTS.2
Vales, Marc	A	IAC-17.E3.6.10
Valle, Max	CA	IAC-17.C2.6.9
Vallini, Lorenzo	CA	IAC-17.A6.IP.42
Valsecchi, Giovanni	CA	IAC-17.A6.2.7
Valsecchi, Giovanni	CA	IAC-17.C1.7.12
Valsecchi, Giovanni	CA	IAC-17.C1.9.2
Valsecchi, Giovanni B.	CA	IAC-17.A6.IP.6
Valverde, Alfredo	CA	IAC-17.B4.1.11
van Burg, Elco	CA	IAC-17.D5.2.6
van Burg, Elco	CA	IAC-17.E6.IP.5
van de Borne, Philippe	CA	IAC-17.A1.2.11
Van de Poel, Mathijs	CA	IAC-17.E2.4.3
van der Linden, Stefan	CA	IAC-17.D2.IP.19
van Dijk, Chris	A	IAC-17.B4.4.8
Van Dyk, Victoria	A	IAC-17.B3.IP.8
Van Eeckhout, Arthur	CA	IAC-17.D4.2.3
van Haver, Sven	CA	IAC-17.B1.5.8
Van Hoof, Denis	CA	IAC-17.B3.3.3
van Kampen, Erik-Jan	CA	IAC-17.C1.2.5
van Kampen, Erik-Jan	CA	IAC-17.C1.4.12
Van Kranendonk, Martin	CA	IAC-17.E1.6.4
Van Kranendonk, Martin	CA	IAC-17.E1.IP.29
Van Lierde, Boris	CA	IAC-17.B3.5.4
van Linden Tol, Aoife	A	IAC-17.E1.9.6
van Oorschot, Joost	CA	IAC-17.D4.2.3
van Oorschot, Joost	CA	IAC-17.A3.IP.32
Van Vaerenbergh, Stefan	CA	IAC-17.A2.3.8
Van Vaerenbergh, Stéfan	CA	IAC-17.A2.4.4
van Wees, Tiemen	CA	IAC-17.D1.4B.9
van Zeijl, Henk	CA	IAC-17.C4.8-B4.5A.4
Van Zyl, Robert	CA	IAC-17.E1.4.11
Van Zyl, Robert	CA	IAC-17.B4.4.11
Vananti, Alessandro	CA	IAC-17.A6.1.5
Vananti, Alessandro	CA	IAC-17.A6.1.9
Vanden Bussche, Simon	A	IAC-17.D3.4.7
Vanden Bussche, Simon	CA	IAC-17.D1.IP.18
Vandenbussche, Bart	CA	IAC-17.A7.2.4
Vane, Gregg	CA	IAC-17.A3.1.7
Vanreusel, Joost	CA	IAC-17.E1.5.3
Vanreusel, Joost	A	IAC-17.E3.4.8
Vargas, André	CA	IAC-17.D3.IP.3
Vargas-Cuentas, Natalia Indira	A	IAC-17.D4.2.5
Vargas-Cuentas, Natalia Indira	A	IAC-17.E5.4.5
Vargas-Cuentas, Natalia Indira	CA	IAC-17.B1.IP.27
Vargas-Cuentas, Natalia Indira	A	IAC-17.B1.5.5
Varinois, Arnaud	A	IAC-17.B1.IP.33
Vasile, Eugeniu	CA	IAC-17.C2.IP.27
Vasile, Massimiliano	CA	IAC-17.D1.4A.9
Vasile, Massimiliano	CA	IAC-17.C1.6.1
Vasile, Massimiliano	CA	IAC-17.A6.IP.31
Vasile, Massimiliano	A	IAC-17.A6.7.1
Vasko, Christopher	A	IAC-17.E6.3.1
Vasko, Christopher	A	IAC-17.D5.2.6
Vasu, Subith	CA	IAC-17.C4.9.3
Vatankhahghadim, Behrad	A	IAC-17.E2.2.6
Vaughan, David	A	IAC-17.C4.3.8
Vaughan, David	CA	IAC-17.A3.3B.8
Vaughan, David	CA	IAC-17.C4.8-B4.5A.8
Vaughn, Israel	CA	IAC-17.B2.IP.14
Vaughn, Mandy	CA	IAC-17.D2.7.1
Vayugundla, Mallikarjuna	CA	IAC-17.A3.IP.31
Vedder, Peter	CA	IAC-17.A5.2.4
Veeraragavan, Ananthanarayanan	CA	IAC-17.C4.9.16
Velho, Rochelle	A	IAC-17.A1.2.14
Vellutini, Elena	A	IAC-17.A6.IP.20
Vellutini, Elena	CA	IAC-17.C1.7.12
Vendittozzi, Cristian	CA	IAC-17.B1.5.7
Venkataraman, Arun Subramanian	CA	IAC-17.A1.3.11
Venkataraman, Arun Subramanian	CA	IAC-17.D1.3.8
Venkataraman, Arun Subramanian	A	IAC-17.B3.6-A5.3.9
Venkataraman, Arun Subramanian	A	IAC-17.B5.1.5
Venkateswara Rao, D.M.K.K	CA	IAC-17.C1.2.7
Venkatweswaran, Kasthuri	CA	IAC-17.A1.IP.7
Venticinque, Guilherme	A	IAC-17.D1.4B.8
VERANT, Jean-Luc	CA	IAC-17.A6.2.10
VERANT, Jean-Luc	CA	IAC-17.D1.4A.6
Vercruyssen, Nathan	CA	IAC-17.B4.4.8
Verdier, Nicolas	CA	IAC-17.A3.3B.3
Vergaaij, Merel	A	IAC-17.C1.6.6
Vergoossen, Tom	A	IAC-17.B4.6B.5
Verkhovsky, Igor	CA	IAC-17.B3.2.2
Vermeulen, Annelie	A	IAC-17.B2.5.7
Vernay, Antoine	CA	IAC-17.E1.1.7
Vernay, Mathilde	CA	IAC-17.E1.1.7
Vernicari, Pietro Maria	CA	IAC-17.A3.2B.13
Vernicari, Pietro Maria	CA	IAC-17.C4.6.7
Vernile, Alessandra	CA	IAC-17.E6.3.9
Vernile, Alessandra	A	IAC-17.E3.IP.5
Vernile, Alessandra	CA	IAC-17.E5.IP.11
Vernillo, Paolo	CA	IAC-17.D2.6.2
Vernon, Steven	CA	IAC-17.D4.4.2
Verrecchia, Angélique	CA	IAC-17.C3.2.7
Verrecchia, Angélique	A	IAC-17.E5.5.2
Verseux, Cyprien	CA	IAC-17.A1.6.6
Verseux, Cyprien	CA	IAC-17.B3.5.6
Verspieren, Quentin	A	IAC-17.E5.4.8
Veruari, Erind	CA	IAC-17.A3.4B.9
Verzola, Ivano	CA	IAC-17.B3.4-B6.5.3
Vespe, Francesco	A	IAC-17.B2.IP.9
Vial, Vanessa	A	IAC-17.C4.4.7
Vicario de Miguel, Gonzalo	CA	IAC-17.B2.5.3
Vicente, Nadjejda	CA	IAC-17.E3.2.3
Vickers, Connor	CA	IAC-17.B4.2.8
Vidmar, Matjaz	A	IAC-17.D3.1.1
Vietze, Marco	A	IAC-17.C2.7.7
Vijayakumar, Ishwarya	CA	IAC-17.A7.IP.7
VILA, Jerome	A	IAC-17.D2.4.2
Vila, Jérôme	CA	IAC-17.D2.8-A5.4.2
Vilhena da Cunha, Francisco	A	IAC-17.B1.IP.1
Villa Rodriguez, Fernando	CA	IAC-17.E4.3B.2
Villain, Rachel	CA	IAC-17.D1.1.2
Villain, Rachel	CA	IAC-17.C4.6.5
Villanueva, Jara Kaye	A	IAC-17.B5.1.7
Viola, Nicole	CA	IAC-17.A3.2B.13
Viola, Nicole	CA	IAC-17.D3.4.1
Viola, Nicole	CA	IAC-17.D3.4.3
Viola, Nicole	CA	IAC-17.D6.3.5
Viola, Nicole	CA	IAC-17.A5.IP.4
Viola, Nicole	CA	IAC-17.D2.IP.6
Viola, Nicole	CA	IAC-17.C4.6.7
Viola, Nicole	CA	IAC-17.A3.2C.10
Virelli, Maria	CA	IAC-17.B1.1.6
Virelli, Maria	CA	IAC-17.B1.IP.17
Visscher, Peter	CA	IAC-17.E1.IP.33
Visser, Ludo	CA	IAC-17.D2.IP.19
VISWANATHAN, RANJITH	A	IAC-17.B2.1.8
VISWANATHAN, RANJITH	CA	IAC-17.D1.1.10
VISWANATHAN, RANJITH	CA	IAC-17.B5.1.5

Viterbo, Pedro	CA	IAC-17.B1.IP.1
Viviani, Antonio	CA	IAC-17.A2.4.5
Viviano, Salvatore	CA	IAC-17.B2.8-GTS.3.4
Vladimirova, Tanya	CA	IAC-17.B1.IP.13
Vlahovic, Branislav	CA	IAC-17.E1.5.9
Vlahovic, Branislav	A	IAC-17.A7.3.9
Vlahovic, Gordana	A	IAC-17.E1.5.9
Vlaskin, Anton	CA	IAC-17.E1.IP.26
Vodermayer, Bernhard	CA	IAC-17.A3.IP.31
Voigt, Philipp	CA	IAC-17.A6.5.10
Voigt, Philipp	CA	IAC-17.A6.10-B4.10.11
Voli, Khadar	A	IAC-17.C2.IP.34
Volkova, Anastasiia	A	IAC-17.E6.1.12
Volkova, Tatiana	CA	IAC-17.E5.1.4
Volpe, Renato	A	IAC-17.C1.3.5
Volynskaya, Olga	A	IAC-17.E7.7-B3.8.2
von Alberti, Mathias	CA	IAC-17.A6.4.5
von der Dunk, Frans	A	IAC-17.E7.4.2
von Kampen, Peter	CA	IAC-17.A2.5.1
Vongsantivanich, Wasanchai	A	IAC-17.B1.1.10
Vongsantivanich, Wasanchai	A	IAC-17.E5.5.7
Vora, Anup	CA	IAC-17.D1.5.5
Vorob'ev, Yevgeniy	CA	IAC-17.C4.4.14
Vorontsov, Victor	CA	IAC-17.A3.1.11
Vorontsov, Victor Aleksandrovich	CA	IAC-17.E6.IP.3
Voropaev, Viktor	CA	IAC-17.A6.1.3
Vos, Heleen	CA	IAC-17.E1.7.4
Vos, Heleen	CA	IAC-17.A3.IP.5
Vos, Heleen	CA	IAC-17.B3.IP.13
Vos, Heleen	CA	IAC-17.B3.IP.14
Vos, Heleen	CA	IAC-17.A3.2C.7
Vricella, Antonio	CA	IAC-17.C2.6.2
Vricella, Antonio	A	IAC-17.A6.IP.39
Vricella, Antonio	CA	IAC-17.C2.7.6
Vricella, Antonio	CA	IAC-17.C2.8.4
Vu, Bruce	CA	IAC-17.D2.2.2
Vukich, Marco	CA	IAC-17.B3.9-GTS.2
Vázquez, Irene	CA	IAC-17.D1.1.2
Vázquez, Irene	CA	IAC-17.C4.6.5
Vögele, Thomas	CA	IAC-17.B3.5.4
Vögele, Thomas	CA	IAC-17.B3.6-A5.3.1
Völk, Stefan	CA	IAC-17.A3.IP.31
Völk, Stefan	CA	IAC-17.A3.2C.3
Völk, Stefan	A	IAC-17.A3.4B.5

W

Name	Role	Paper
Waclavicek, Rene	CA	IAC-17.C2.9.13
Wada, Yutaka	CA	IAC-17.C4.8-B4.5A.10
Wagner, Bernd	CA	IAC-17.C4.1.5
Wagner, Erika	CA	IAC-17.E1.IP.14
Wagner, Erika	A	IAC-17.A2.5.7
Wagner, Markus	CA	IAC-17.D1.IP.12
Wagner, Markus	CA	IAC-17.D1.IP.14
Wahyudiono, Agung	CA	IAC-17.B1.IP.10
Wakabayashi, Sachiko	CA	IAC-17.A3.2B.4
Wakabayashi, Shunya	CA	IAC-17.D4.3.3
Wakata, Koichi	CA	IAC-17.B3.1.3
Walbert, Kris	CA	IAC-17.A6.2.1
Wali, Mohammad	CA	IAC-17.A3.IP.39
Wali, Mohammad Abdularahim Mtaher Mohd	CA	IAC-17.A3.3A.2
Walker, John	A	IAC-17.A3.2A.6
Walker, Roger	CA	IAC-17.B4.3.14
Wallis, Scott	CA	IAC-17.D2.9-D6.2.5
Walsh, Justin	CA	IAC-17.A1.IP.13
Waltemathe, Michael	CA	IAC-17.A1.6.1
Walter, Helen	CA	IAC-17.A1.7.2
Walter, Ingo	CA	IAC-17.B1.1.3
Walter, Nicolas	CA	IAC-17.A1.6.2
Walter, Ulrich	CA	IAC-17.A3.2B.9
Walter, Ulrich	CA	IAC-17.B2.4.5
Walter, Ulrich	CA	IAC-17.C1.IP.16
Walts, Alexander	A	IAC-17.C3.2.1
Walts, Alexander	CA	IAC-17.C3.IP.1
Walts, Alexander	CA	IAC-17.C3.IP.2
Walz, Carl	CA	IAC-17.B3.4-B6.5.6
Wan, Stephanie	A	IAC-17.E1.5.14
Wan, Stephanie	A	IAC-17.E6.3.7
Wan, Stephanie	CA	IAC-17.B2.8-GTS.3.8
Wander, Alexandra	CA	IAC-17.A6.IP.45
Wander, Alexandra	A	IAC-17.B6.2.11
Wander, Alexandra	A	IAC-17.A6.10-B4.10.12
Wang, Changqing	A	IAC-17.D2.IP.2
Wang, Chuanzeng	CA	IAC-17.A1.7.5
Wang, Chunhui	A	IAC-17.A1.IP.12
Wang, Clay	CA	IAC-17.A1.IP.7
Wang, Daqing	CA	IAC-17.B2.8-GTS.3.5
Wang, Dongxia	A	IAC-17.B2.IP.12
Wang, Dongxia	CA	IAC-17.B2.IP.22
Wang, Dongxia	CA	IAC-17.B2.IP.23
Wang, Fei	CA	IAC-17.A2.7.4
Wang, Feng	CA	IAC-17.C1.IP.14
Wang, Gang	CA	IAC-17.A2.1.4
Wang, Geng	CA	IAC-17.C1.1.12
Wang, Guangyu	CA	IAC-17.C4.9.7
WANG, Guo-hui	CA	IAC-17.D2.IP.7
WANG, Guo-hui	CA	IAC-17.D2.IP.8
WANG, Guo-hui	CA	IAC-17.E3.IP.16
Wang, Guoyu	A	IAC-17.E7.6-E3.5.4
Wang, Hao	A	IAC-17.A1.5.8
Wang, Hao	CA	IAC-17.C2.6.3
Wang, Hao	A	IAC-17.B1.IP.30
Wang, Hongfei	CA	IAC-17.E6.1.1
Wang, Hongfei	CA	IAC-17.B3.3.5
Wang, Hui	A	IAC-17.C2.2.9
Wang, Hui	CA	IAC-17.B4.3.10
Wang, Hui	A	IAC-17.C1.IP.12
Wang, Hui	CA	IAC-17.B2.8-GTS.3.5
Wang, Ji	A	IAC-17.B2.3.9
WANG, Jia	CA	IAC-17.A2.3.12
Wang, Jian-ru	A	IAC-17.C4.IP.18
Wang, Jianfeng	CA	IAC-17.D1.IP.7
Wang, Jilian	A	IAC-17.E7.4.3
Wang, Jingyu	CA	IAC-17.A1.2.12
Wang, Jue	CA	IAC-17.C4.IP.33
Wang, Jufang	CA	IAC-17.A1.5.9
Wang, Jufang	CA	IAC-17.A2.7.3
Wang, Jun	CA	IAC-17.A1.1.4
Wang, Jun	CA	IAC-17.C2.IP.25
Wang, Ke	CA	IAC-17.C2.8.1
WANG, LEI	CA	IAC-17.D1.IP.11
Wang, Lei	CA	IAC-17.A7.3.12
Wang, Lin-Jie	A	IAC-17.A1.2.4
WANG, LIWEI	A	IAC-17.D5.1.4
Wang, Lyu	CA	IAC-17.D1.4A.11
Wang, Meng	CA	IAC-17.C4.4.2
Wang, Mingming	CA	IAC-17.B6.IP.11
Wang, Mingming	A	IAC-17.C1.IP.16
Wang, Ruihao	CA	IAC-17.A1.IP.24
Wang, Ruihao	CA	IAC-17.A1.IP.27
WANG, Shu	CA	IAC-17.E3.IP.6
Wang, Shuang-Feng	A	IAC-17.A2.3.11
Wang, Tingmei	CA	IAC-17.A1.2.3
Wang, Wan bin	CA	IAC-17.B2.1.11
Wang, Wei	A	IAC-17.C4.9.10
Wang, Wei	CA	IAC-17.A1.5.1
Wang, Wei	CA	IAC-17.C2.5.2
Wang, Wei	CA	IAC-17.B2.8-GTS.3.5
Wang, Weigang	CA	IAC-17.B1.3
Wang, Wenbin	A	IAC-17.B2.5.4
Wang, Xiaoding	CA	IAC-17.D2.IP.23
Wang, Xiaohui	A	IAC-17.D2.3.11
Wang, Xiaohui	A	IAC-17.D1.IP.24
Wang, Xiaohui	A	IAC-17.D2.IP.11
Wang, Xiaohui	A	IAC-17.D4.3.13
Wang, Xiaohui	A	IAC-17.D2.8-A5.4.8
Wang, Xiaole	CA	IAC-17.E6.1.1
Wang, Xiaoye	A	IAC-17.C4.6.2
Wang, Xin	CA	IAC-17.C2.7.13

Wang, Xingdan	CA	IAC-17.B3.7.7
Wang, Xinglong	A	IAC-17.B6.IP.8
Wang, Xuodong	CA	IAC-17.E4.3B.4
Wang, Yan	A	IAC-17.B2.IP.16
Wang, Ying	CA	IAC-17.C3.2.4
Wang, Yong	CA	IAC-17.A7.3.12
Wang, Yongsheng	CA	IAC-17.D2.IP.14
Wang, Youliang	CA	IAC-17.C1.IP.21
Wang, Youliang	A	IAC-17.D1.6.1
Wang, Yuan	CA	IAC-17.A1.7.5
Wang, Yue	CA	IAC-17.A1.1.4
Wang, Yue	A	IAC-17.A6.9.3
Wang, Zhaokui	CA	IAC-17.D2.8-A5.4.3
Wang, Zhifu	CA	IAC-17.D1.IP.3
Wang, Zhong	CA	IAC-17.C4.4.2
Wanjara, Priti	CA	IAC-17.D4.5.4
Ward, Peter	CA	IAC-17.A1.2.14
Washabaugh, Peter	CA	IAC-17.A6.9.5
Washabaugh, Peter	CA	IAC-17.A6.10-B4.10.8
Wasik, Bartosz	CA	IAC-17.B3.9-GTS.2.9
Watanabe, Daiki	CA	IAC-17.C4.3.10
Watanabe, Sei-ichiro	CA	IAC-17.A3.4A.9
Watanabe, Takeo	CA	IAC-17.E6.IP.1
Waterman, Gideon	CA	IAC-17.A1.5.7
Watson, Erkai	A	IAC-17.A6.3.7
Watson, Erkai	CA	IAC-17.A3.4B.6
Watts, Trevor	CA	IAC-17.D2.IP.19
Waxenegger-Wilfing, Günther	CA	IAC-17.C4.1.5
Weaver, Harold A.	CA	IAC-17.A3.4B.5
Webb, Alan	A	IAC-17.D2.2.9
Webb, Alan	A	IAC-17.E3.3.7
Webb, Alan	CA	IAC-17.B4.5.5
Webber, Derek	CA	IAC-17.D3.1.1
Wedler, Armin	A	IAC-17.A3.IP.31
Wedler, Armin	CA	IAC-17.A3.2C.3
Weeden, Brian	CA	IAC-17.E3.4.11
Weeden, Brian	A	IAC-17.A6.10-B4.10.1
Weeden, Charity	CA	IAC-17.E3.3.1
Wegel, Donald	CA	IAC-17.A3.4B.5
Wei, Chuanfeng	A	IAC-17.B3.1.2
Wei, Chuanfeng	CA	IAC-17.B3.3.7
Wei, Chuanfeng	CA	IAC-17.C2.6.3
Wei, Dong	CA	IAC-17.A2.2.2
Wei, Haiping	CA	IAC-17.B1.4.2
Wei, Mingchuan	CA	IAC-17.E2.4.5
Wei, Shaojuan	A	IAC-17.C4.IP.35
Wei, Wei	A	IAC-17.B5.1.12
Wei, Wenjun	A	IAC-17.A1.5.9
Wei, Wenjun	CA	IAC-17.A2.7.3
WEI, Xin rong	A	IAC-17.B2.1.11
WEI, XUEZHONG	CA	IAC-17.D5.1.4
Weibo, Zheng	CA	IAC-17.A1.IP.1
Weidang, Ai	CA	IAC-17.A1.IP.24
Weightman, Joel	A	IAC-17.C4.1.13
Weightman, Joel	CA	IAC-17.E1.4.7
Weightman, Joel	CA	IAC-17.C4.IP.19
Weikert, Marcel	CA	IAC-17.C4.7-C3.5.10
Weikert, Sven	CA	IAC-17.A6.IP.14
Weiland, Stefan	A	IAC-17.C2.1.13
Weiland, Stefan	CA	IAC-17.C2.7.7
Weinstein-Weiss, Stacy	CA	IAC-17.A7.2.6
Weinstein-Weiss, Stacy	CA	IAC-17.D4.4.1
Weis, Stefan	CA	IAC-17.C4.4.8
Weise, Jana	CA	IAC-17.D1.2.3
Weise, Jana	CA	IAC-17.C3.3.8
Weise, Jana	CA	IAC-17.C2.8.9
Weiss, Peter	CA	IAC-17.B3.5.4
Weiss, Peter	CA	IAC-17.B3.6-A5.3.1
Weiss, Peter	CA	IAC-17.A3.2C.2
Weiss, Peter	CA	IAC-17.C2.9.13
Weiss, Sascha	A	IAC-17.B4.4.2
Welch, Chris	CA	IAC-17.D1.2.5
Welch, Chris	CA	IAC-17.E3.2.1
Welch, Chris	CA	IAC-17.E6.2.5
Welch, Chris	CA	IAC-17.B4.8.7
Wen, Hao	CA	IAC-17.D2.IP.23
Wen, Xuezhong	CA	IAC-17.A6.3.4
Wen, Xuezhong	A	IAC-17.A6.IP.40
Wendrich, Thijs	CA	IAC-17.A2.1.2
Wendrich, Thijs	CA	IAC-17.A2.3.2
Weng, HuiYan	CA	IAC-17.C4.5.11
Weng, Jingnong	CA	IAC-17.E1.IP.3
Weng, Jingnong	A	IAC-17.E1.IP.34
Wenxiong, Xi	CA	IAC-17.C4.IP.16
Wenzel, Wiebke	CA	IAC-17.C2.2.7
Wenzlawski, Andrè	CA	IAC-17.A2.3.2
Weppler, Johannes	A	IAC-17.E1.3.12
Weppler, Johannes	A	IAC-17.B3.3.4
Weppler, Johannes	CA	IAC-17.E1.2.11
Weps, Benjamin	CA	IAC-17.A2.3.2
Werner, Philipp	CA	IAC-17.B4.2.9
Werthimer, Dan	CA	IAC-17.A4.1.3
Wessen, Randii	CA	IAC-17.D1.4B.5
West, Michael	CA	IAC-17.D2.7.12
Westerberg, Lars-Göran	CA	IAC-17.E1.4.3
Westerman, Solomon	CA	IAC-17.A7.2.2
Wexler, Helen	CA	IAC-17.E6.1.1
Wheatley, Vincent	CA	IAC-17.C4.9.16
Wheeler, Raymond	CA	IAC-17.A1.IP.4
Wheless, Jonathan	CA	IAC-17.B4.6B.4
Whitchurch, Ian	CA	IAC-17.B4.5.1
Whitchurch, Ian	CA	IAC-17.D2.5.2
White, Keith	CA	IAC-17.B4.2.1
Whitehead, Christopher	CA	IAC-17.D4.5.12
Whitesides, Loretta	CA	IAC-17.E1.IP.7
Whitlow, Jonathan	CA	IAC-17.A3.IP.6
Whittle, Richard S.	CA	IAC-17.B5.1.4
Wickert, Matthias	CA	IAC-17.C2.1.10
Wickler, Martin	CA	IAC-17.B4.3.9
Wicks, Robert	CA	IAC-17.B4.2.5
Widyoutomo, Ario Birmiawan	A	IAC-17.C1.4.4
Wiedemann, Carsten	A	IAC-17.A6.4.10
Wiedemann, Josef	A	IAC-17.E6.2.11
Wiedemann, Josef	CA	IAC-17.D2.IP.3
Wiegand, Andreas	CA	IAC-17.A6.IP.14
Wigbels, Lyn	CA	IAC-17.E1.8.4
Wijesekera, Jude	A	IAC-17.C2.IP.3
Wikelski, Martin	CA	IAC-17.B3.3.4
Wiktowy, Michael	CA	IAC-17.D6.1.4
Wilde, Martina	CA	IAC-17.A3.IP.31
Wilde, Martina	CA	IAC-17.A3.2C.3
Wiley, Jaclyn	A	IAC-17.E2.3-GTS.4.8
Wilhelm, Marius	CA	IAC-17.C4.1.8
Wilken, Jascha	CA	IAC-17.D2.4.3
Wilkins, Matthew	CA	IAC-17.A6.9.10
Willberg, Bertram	CA	IAC-17.A3.IP.31
Wille, Eric	A	IAC-17.A7.1.4
Wille, Eric	CA	IAC-17.A7.IP.3
Willems, Sebastian	CA	IAC-17.C2.IP.28
Williams, Bobby	CA	IAC-17.E4.1.3
Williams, Langston	A	IAC-17.E2.2.12
Williams, Nehemiah	CA	IAC-17.A5.2.1
Willshire, Chris	CA	IAC-17.B6.1.1
Wilson, Andrew	A	IAC-17.D1.4A.9
Wilson, Colin	CA	IAC-17.A3.5.5
Wilson, Krystal	CA	IAC-17.E6.2.1
Wilson, Mark	CA	IAC-17.A1.6.10
Wimmer-Schweingruber, Robert	CA	IAC-17.D4.4.2
Windelberg, Jens	CA	IAC-17.D2.6.1
Wing, Michael	CA	IAC-17.E1.7.8
Wingborg, Niklas	CA	IAC-17.C4.1.8
Wingender, Jost	CA	IAC-17.A1.6.5
Winglee, Robert	CA	IAC-17.E1.IP.36
Winglee, Robert	CA	IAC-17.E1.1.4
Winkler, Björn	CA	IAC-17.E1.3.12
Winnard, Andrew	CA	IAC-17.A1.2.14
Winter, Frank H.	A	IAC-17.E4.2.6
Winter, Othon	A	IAC-17.C1.8.3
Wisniewska, Kasia	CA	IAC-17.B4.1.4
Withnell, Pete	CA	IAC-17.A3.3A.2
Withnell, Pete	CA	IAC-17.A3.IP.11
Witt, Johannes	CA	IAC-17.B3.7.2
Witte, Lars	CA	IAC-17.D3.2.7
Witte, Lars	CA	IAC-17.A3.IP.31
Witte, Lars	CA	IAC-17.A3.2C.3
Wittig, Manfred	A	IAC-17.B2.6.11
Wittig, Sarah	A	IAC-17.B2.7.1
Wittkamp, Markus	CA	IAC-17.A2.5.3
Witzmann, Marco	CA	IAC-17.D3.4.7
Witzmann, Marco	CA	IAC-17.D1.IP.18
Woerner, David	A	IAC-17.A7.1.7
Woerner, David	A	IAC-17.A7.IP.8
Wojdecka, Anna	CA	IAC-17.D1.1.3
Wojdecka, Anna	CA	IAC-17.B3.IP.3
Wojtkowiak, Harald	CA	IAC-17.B4.3.13
Wojtkowiak, Harald	CA	IAC-17.B6.IP.5
Wojtkowiak, Harald	A	IAC-17.B6.2.2
Wojtsekhowski, Bogdan	CA	IAC-17.A7.3.9
Wolahan, Andrew	A	IAC-17.A6.4.9
Wolahan, Andrew	A	IAC-17.D4.2.9
Wolahan, Andrew	A	IAC-17.D1.4B.11
Wolahan, Andrew	CA	IAC-17.A6.6.8
Wolanski, Piotr	CA	IAC-17.C4.3.4
Wolanski, Piotr	CA	IAC-17.A6.5.4
Wolanski, Piotr	CA	IAC-17.C4.IP.21
Wolanski, Piotr	CA	IAC-17.A2.5.2
Wolanski, Piotr	CA	IAC-17.C4.10.9
Wolf, Nadja	A	IAC-17.D3.4.4
Wolf, Ronny	CA	IAC-17.B4.6B.7
Wolff, Friederike	CA	IAC-17.A3.4A.8
Wolff, Michael	CA	IAC-17.A3.3B.4
Wolff, Michael	CA	IAC-17.A3.IP.11
Wolff, Mikael	A	IAC-17.A5.1.7
Wolfson, Nancy C.	A	IAC-17.E5.2.6
Wolkenberg, Paulina	CA	IAC-17.A7.2.4
Woltran, Markus	CA	IAC-17.D4.2.1
Wong, Marcus	CA	IAC-17.C4.1.13
Wong, Marcus	CA	IAC-17.E1.4.7
Wong, Marcus	CA	IAC-17.C4.IP.19
Wong, Nathan	A	IAC-17.A3.2A.5
Woo, Jongmyung	CA	IAC-17.B2.IP.1
Woo, Pamela	CA	IAC-17.B1.IP.7
Wood, Danielle	A	IAC-17.B1.5.1
Wood, Lincoln	CA	IAC-17.B4.3.12
Woodgate, Peter	A	IAC-17.E3.6.7
Woojoo, Choi	CA	IAC-17.C4.IP.20
Woolley, Ryan	A	IAC-17.A5.2.3
Wormnes, Kjetil	CA	IAC-17.D3.4.3
Worms, Jean-Claude	CA	IAC-17.A3.1.1
Wszołek, Bogdan	CA	IAC-17.A3.2C.7
Wu, An-Ming	A	IAC-17.A2.1.4
Wu, Changqing	CA	IAC-17.C1.IP.12
WU, Di	CA	IAC-17.A2.3.12
Wu, Fan	A	IAC-17.C1.IP.14
Wu, Jie	CA	IAC-17.B4.5.12
Wu, Jong-Shinn	CA	IAC-17.E5.IP.15
Wu, Liyin	A	IAC-17.C4.IP.28
Wu, Marvin	CA	IAC-17.E1.5.9
Wu, Meng	CA	IAC-17.C4.9.1
Wu, Qiang	CA	IAC-17.A6.3.8
Wu, Ruilin	CA	IAC-17.A1.1.5
Wu, Shengbao	A	IAC-17.D2.5.8
Wu, Shiyun	CA	IAC-17.A1.IP.24
Wu, Shiyun	CA	IAC-17.A1.IP.27
Wu, Shuai	CA	IAC-17.B4.7.3
Wu, Shunan	A	IAC-17.C1.2.12
Wu, Suqin	CA	IAC-17.E2.1.7
Wu, Xiangyu	CA	IAC-17.B2.IP.15
Wu, Xiaodan	A	IAC-17.E7.4.11
Wu, Xiaofeng	CA	IAC-17.C1.1.8
Wu, Xiaofeng	CA	IAC-17.B1.2.8
Wu, Xiaofeng	CA	IAC-17.A1.5.4
Wu, Xiaofeng	A	IAC-17.C2.5.7
Wu, Xiaofeng	CA	IAC-17.E1.IP.28
Wu, Xiaofeng	CA	IAC-17.B4.6B.8
Wu, Xiaofeng	CA	IAC-17.C3.4.3
Wu, Xiaofeng	CA	IAC-17.B6.3.3
Wu, Xiaomeng	CA	IAC-17.B4.6B.12
Wu, Yunhua	A	IAC-17.C1.IP.3
Wu, Zhigang	CA	IAC-17.C1.2.12
Wuerl, Melissa	CA	IAC-17.D2.2.11
Wurm, Gerhard	CA	IAC-17.E1.3.12
Wuxiong, Cao	A	IAC-17.A6.3.3
Wörner, Lisa	A	IAC-17.A2.1.2
Wöske, Florian	CA	IAC-17.B1.IP.21
Wöske, Florian	CA	IAC-17.C4.IP.31
Wüstenberg, Philipp	CA	IAC-17.D1.3.11
Wüstenberg, Philipp	CA	IAC-17.C2.8.9

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Name	Role	Paper
Xavier, Tang Zhongkan	CA	IAC-17.D5.4.4
Xavier, Tang Zhongkan	CA	IAC-17.B2.7.2
Xia, Weiqiang	CA	IAC-17.B2.IP.18
Xiang, Zhang	CA	IAC-17.E2.4.5
Xiao, HOU	CA	IAC-17.C4.IP.23
Xiao, Weichen	A	IAC-17.C1.6.5
Xiao Su, YI	A	IAC-17.E1.IP.3
Xiaoli, Chen	A	IAC-17.B1.3.5
Xiaosha, Zhang	CA	IAC-17.D2.5.10
Xiaowei, Wang	CA	IAC-17.D2.IP.23
Xiaowei, Wang	A	IAC-17.D2.8-A5.4.4
Xiaozhou, Yu	CA	IAC-17.B4.6A.4
Xiaozhou, Yu	CA	IAC-17.E2.4.5
Xie, Jinshi	CA	IAC-17.B2.IP.23
Xie, Teng	A	IAC-17.A2.6.5
Xie, Yong	CA	IAC-17.B2.3.7
Xie, Yong Chun	A	IAC-17.C1.IP.5
Xie, Zongqi	CA	IAC-17.C3.3.2
Ximenes, Samuel	A	IAC-17.E1.5.5
Xin, Jie	CA	IAC-17.B2.IP.12
Xin, Jie	A	IAC-17.B2.IP.22
Xin, Jie	A	IAC-17.B2.IP.23
Xin, Mingyuan	CA	IAC-17.C4.9.7
Xin, Song	CA	IAC-17.E2.4.5
Xin, Xiaosheng	CA	IAC-17.C1.8.11
Xin, Xiaosheng	A	IAC-17.C1.8.13
Xing, Fei	CA	IAC-17.C1.1.12
XING, Fei	A	IAC-17.C4.9.13
Xing, Lei	CA	IAC-17.B2.IP.11
Xiong, Jianghui	CA	IAC-17.A1.1.5
Xiong, Kai	CA	IAC-17.A7.3.12
Xiong, Qiang	A	IAC-17.C2.IP.16
Xiong, Rui	A	IAC-17.B2.1.12
Xiong, Weiming	CA	IAC-17.B2.6.10

Xiyun, Hou	CA	IAC-17.A6.IP.13
Xiyun, Hou	A	IAC-17.C1.8.11
Xiyun, Hou	CA	IAC-17.C1.8.12
Xiyun, Hou	CA	IAC-17.C1.8.13
Xu, Boru	CA	IAC-17.C4.9.7
Xu, Chao	A	IAC-17.C2.2.12
Xu, Chao	CA	IAC-17.A7.3.12
Xu, FanJiang	CA	IAC-17.B2.IP.19
Xu, Guangde	A	IAC-17.C1.IP.8
Xu, Haohai	A	IAC-17.C4.5.13
XU, Hongping	CA	IAC-17.B2.IP.18
Xu, Jiabao	CA	IAC-17.C4.IP.33
Xu, Jian	A	IAC-17.B5.1.10
Xu, Jianzhong	CA	IAC-17.C4.9.4
Xu, Jing	CA	IAC-17.C1.5.9
Xu, Kan	CA	IAC-17.C2.7.11
Xu, Kunbo	CA	IAC-17.A6.3.8
Xu, Ming	CA	IAC-17.C1.8.10
Xu, Qian	A	IAC-17.B4.5.12
Xu, Rui	A	IAC-17.B4.3.10
Xu, Rui	CA	IAC-17.A3.3B.11
Xu, Rui	CA	IAC-17.C1.IP.12
Xu, Shijie	CA	IAC-17.A6.9.3
XU, WEI	A	IAC-17.D1.IP.11
Xu, Wenming	CA	IAC-17.B4.3.10
Xu, Wenming	CA	IAC-17.A3.3B.11
Xu, Yingshan	CA	IAC-17.D2.IP.14
Xu, Zhi	CA	IAC-17.D2.IP.9
Xue, Huifeng	CA	IAC-17.E6.3.2
Xue, Xiaoxiao`	CA	IAC-17.B2.7.9

Y

Name	Role	Paper
Yakovlev, Mikhail	CA	IAC-17.A6.4.2
Yam, Chit Hong	CA	IAC-17.C1.6.5
Yam, Chit Hong	CA	IAC-17.C1.IP.32
Yam, Chit Hong	CA	IAC-17.C1.IP.33
Yam, Chit Hong	A	IAC-17.D2.8-A5.4.9
Yamada, Kazuhiko	CA	IAC-17.A3.3A.5
Yamada, Satoshi	A	IAC-17.C2.5.4
Yamada, Tetsuya	CA	IAC-17.A3.2A.10
Yamagami, Tatsuya	CA	IAC-17.A6.3.9
Yamagishi, Akihiko	CA	IAC-17.A6.1.10
Yamagiwa, Yoshiki	A	IAC-17.D2.5.13
Yamagiwa, Yoshiki	CA	IAC-17.D3.IP.4
Yamagiwa, Yoshiki	A	IAC-17.D4.3.4
Yamagiwa, Yoshiki	CA	IAC-17.D4.3.6
Yamagiwa, Yoshiki	CA	IAC-17.D4.3.9
Yamagiwa, Yoshiki	CA	IAC-17.D4.3.14
Yamaguchi, Nobuki	A	IAC-17.C1.8.6
Yamaguchi, Tomohiro	A	IAC-17.A3.4A.7
Yamaguchi, Tomohiro	CA	IAC-17.A3.4A.9
Yamaguchi, Tomohiro	CA	IAC-17.B6.3.1
Yamakawa, Hiroshi	CA	IAC-17.A6.IP.1
Yamakawa, Hiroshi	CA	IAC-17.A6.IP.8
Yamamoto, Makoto	CA	IAC-17.E1.3.10
Yamamoto, Takayuki	A	IAC-17.D2.7.6
Yamane, Motoki	A	IAC-17.C1.5.4
Yamasaki, Tomohiro	CA	IAC-17.C4.2.10
Yamashiro, Ryoma	A	IAC-17.D2.1.6
Yamashita, Masato	CA	IAC-17.C4.2.10
Yamin, Mohd. Izmir	CA	IAC-17.E2.2.5
Yan, Jun	A	IAC-17.A6.3.1
Yan, Shen	CA	IAC-17.B4.6A.2
YAN, Xiaotao	CA	IAC-17.B2.IP.18
Yan, Xiu-Tian	CA	IAC-17.C2.2.7
Yan, Xiu-Tian	CA	IAC-17.C2.IP.40
Yan, Xiu-Tian	CA	IAC-17.C2.9.5
YAN, YONGLIANG	A	IAC-17.E3.IP.9
Yan, Yushen	CA	IAC-17.C1.IP.36
Yanao, Tomohiro	CA	IAC-17.C1.8.8
Yang, Anlong	CA	IAC-17.C4.IP.5
Yang, Anlong	CA	IAC-17.C4.IP.15
Yang, Chao	CA	IAC-17.E1.IP.3
Yang, Huxiao	A	IAC-17.E7.1.10
Yang, Juntai	A	IAC-17.C4.4.2
Yang, Juntang	CA	IAC-17.A6.4.10
Yang, Kuan	A	IAC-17.E7.4.6
Yang, Lei	A	IAC-17.B4.7.3
Yang, Leping	CA	IAC-17.A6.IP.43
Yang, Liang	CA	IAC-17.D1.3.9
Yang, Liang	CA	IAC-17.C2.IP.26
Yang, Liang	CA	IAC-17.D5.3.7
Yang, Mengfei	CA	IAC-17.D1.IP.3
Yang, Mingqi	CA	IAC-17.B2.8-GTS.3.6
YANG, Mu	A	IAC-17.D4.2.13
Yang, Nanlan	CA	IAC-17.E1.2.8
Yang, Shangfeng	CA	IAC-17.B2.IP.22
Yang, Shangfeng	CA	IAC-17.B2.IP.23
YANG, Shangrong	CA	IAC-17.C4.9.2
YANG, Shangrong	CA	IAC-17.C4.9.5
YANG, Shangrong	CA	IAC-17.C4.5.13
YANG, Shangrong	CA	IAC-17.C4.IP.5
YANG, Shangrong	CA	IAC-17.C4.IP.15
Yang, Sheng	CA	IAC-17.B3.3.7
Yang, Tong	A	IAC-17.B2.IP.20
Yang, Wenjing	CA	IAC-17.C4.IP.35
Yang, Xiaofeng	A	IAC-17.A2.2.2
Yang, Xu	CA	IAC-17.A6.IP.22
Yang, Yang	CA	IAC-17.E2.1.7
Yang, Yang	A	IAC-17.A6.9.9
Yang, yong bin	CA	IAC-17.C2.6.3
Yang, Yulei	CA	IAC-17.E1.3.11
Yang, Zhen	CA	IAC-17.A3.2A.11
Yang, Zhen	CA	IAC-17.A7.IP.5
Yang, Zhichun	CA	IAC-17.C2.5.2
Yano, Hajime	CA	IAC-17.A6.1.10
Yanova, Olga	CA	IAC-17.C4.IP.51
Yao, Na	A	IAC-17.C2.IP.7
Yao, Tianliang	CA	IAC-17.C4.IP.26
Yasaka, Tetsuo	CA	IAC-17.D3.4.8
Yau, Sean	CA	IAC-17.D5.4.4
Yau, Sean	CA	IAC-17.B2.7.2
Yazdani, Shabnam	CA	IAC-17.A2.2.11
Yazdani, Shabnam	A	IAC-17.B2.7.8
Ye, Zhuang	CA	IAC-17.C2.7.3
Yee, Nicholas	CA	IAC-17.D4.2.3
Yeo, Inseok	CA	IAC-17.D6.1.8
YI, Hang	CA	IAC-17.B2.IP.18
Yi, Xiaosu	CA	IAC-17.B2.1.12
Yim, Hong-Suh	CA	IAC-17.A6.IP.16
Yin, Chuanwei	CA	IAC-17.D2.5.10
Yin, Yuefan	CA	IAC-17.C4.IP.3
Yin, Zhao	CA	IAC-17.C2.6.3
Yiwei, Liu	A	IAC-17.B4.6A.2
Yiyong, Huang	CA	IAC-17.B4.6A.7
Yoder, Christopher	A	IAC-17.A3.5.2
Yoder, Christopher	CA	IAC-17.C4.6.12
Yoder, Christopher	CA	IAC-17.C4.7-C3.5.11
Yokota, Kazuki	A	IAC-17.C1.IP.25
Yokota, Shun	A	IAC-17.D4.3.14
Yoneyama, Misato	CA	IAC-17.C3.2.2
Yong, Jin	CA	IAC-17.B3.3.7
Yoo, Youngjoon	CA	IAC-17.C4.IP.20
Yoon, Youngbin	CA	IAC-17.E5.IP.15
Yoshida, Kazuya	CA	IAC-17.B4.6A.11
Yoshihara, Yuri	A	IAC-17.E6.1.9
Yoshikawa, Kento	CA	IAC-17.A3.3A.5
Yoshimitsu, Tetsuo	CA	IAC-17.A3.4A.9
Yoshimitsu, Tetsuo	A	IAC-17.E8.1.1
Yoshimura, Yasuhiro	A	IAC-17.C1.1.6
Yoshitomi, Susumu	A	IAC-17.E3.4.9
Yoshizawa, Ryoshuke	CA	IAC-17.E1.IP.31
You, Yancheng	CA	IAC-17.C4.9.1
Young, Jason	CA	IAC-17.A3.IP.39
Young, John	CA	IAC-17.D5.3.6
Young, Matthew	CA	IAC-17.B4.2.6
Yousaf, Ali	CA	IAC-17.B5.1.6

Yousefpour, Ali	CA	IAC-17.C2.8.12
Ytterskog, Anne	A	IAC-17.D2.2.10
Yu, Chunxu	CA	IAC-17.C2.7.3
Yu, Fei	CA	IAC-17.C2.IP.26
Yu, Fei	CA	IAC-17.D5.3.7
Yu, Hongqiang	A	IAC-17.A1.2.2
Yu, Jenny	CA	IAC-17.C3.4.2
Yu, Peng	CA	IAC-17.C3.3.2
Yu, Qidong	CA	IAC-17.D3.3.6
Yu, Qingni	CA	IAC-17.A1.IP.24
Yu, Qingni	CA	IAC-17.A1.IP.27
Yu, Qingni	CA	IAC-17.A1.IP.30
Yu, Qingni	CA	IAC-17.A1.7.5
Yu, Ruipeng	CA	IAC-17.C4.2.11
Yu, Xia	A	IAC-17.E3.IP.11
Yu, Xiaoyan	A	IAC-17.C2.5.5
Yu, Xingang	A	IAC-17.C2.7.11
Yu, Xiqiao	A	IAC-17.C4.IP.26
Yu, Yang	CA	IAC-17.B4.7.4
Yu, Zhengshi	A	IAC-17.C1.3.8
Yu, Zhengshi	CA	IAC-17.A3.IP.48
Yuan, Bin	CA	IAC-17.A1.5.1
Yuan, Jianping	CA	IAC-17.C1.6.11
Yuan, Jianping	CA	IAC-17.A6.7.7
Yuan, Jianping	CA	IAC-17.D1.6.11
YUAN, JIE	CA	IAC-17.E7.6-E3.5.4
Yuan, Jing	A	IAC-17.B6.IP.11
Yuan, Junya	A	IAC-17.C4.5.11
Yuan, Ming	A	IAC-17.A1.2.12
Yudintsev, Vadim	CA	IAC-17.C1.4.5
Yue, Xiaokui	CA	IAC-17.D1.6.11
Yue, Yang	CA	IAC-17.B2.IP.11
Yueming Ji, Ji	CA	IAC-17.B4.4.10
Yueyang, Hou	A	IAC-17.D1.IP.23
Yumiyama, Akira	CA	IAC-17.E1.IP.31
Yun, Yongtae	A	IAC-17.C4.IP.32
Yun, Yuan	A	IAC-17.D1.4A.11
Yuqing, Liu	CA	IAC-17.A1.IP.12

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Name	Role	Paper
Zabala-Aliberto, Veronica Ann	CA	IAC-17.E1.IP.7
Zabeau, Josué	CA	IAC-17.C4.IP.9
Zadnik, Marjan	CA	IAC-17.E1.2.7
ZAI, BEHZAD AHMED	A	IAC-17.C2.3.1
Zaidi, Waqar	A	IAC-17.A6.9.10
Zajczyk, Anna	CA	IAC-17.B4.2.1
Zakirov, Vadim	CA	IAC-17.D2.2.9
Zaman, Fahad	CA	IAC-17.A1.5.13
Zaman, Yasmin	CA	IAC-17.D3.3.11
Zamora, Pilar	CA	IAC-17.E6.3.12
Zandbergen, Barry	CA	IAC-17.D1.4B.9
Zandbergen, Barry	CA	IAC-17.C4.8-B4.5A.4
Zander, Martin	A	IAC-17.C2.2.3
Zander, Martin	CA	IAC-17.A6.IP.14
Zanetti, Ilario	CA	IAC-17.D1.1.9
Zanetti, Michael	CA	IAC-17.A5.1.11
Zank, Gary	CA	IAC-17.D4.4.2
Zarubin, Dmitry	CA	IAC-17.A5.1.2
Zaw, Ingyin	CA	IAC-17.A7.3.10
Zea, Luis	CA	IAC-17.E3.1.11
Zea, Luis	A	IAC-17.A1.6.8
Zee, Robert	CA	IAC-17.C2.IP.31
Zee, Robert E.	CA	IAC-17.B2.7.4
Zeidler, Conrad	A	IAC-17.E5.1.7
Zeif, Reinhard	CA	IAC-17.B2.3.2
Zeis, Christopher	CA	IAC-17.C2.3.5
Zelenov, Denis	CA	IAC-17.A6.1.8
Zeng, Huasong	CA	IAC-17.B2.1.12
Zeng, YongHong	CA	IAC-17.C2.8.1
Zetterling, Carl-Mikael	CA	IAC-17.A3.5.5
Zetterling, Carl-Mikael	CA	IAC-17.D3.3.3
Zewdie, Beza Tesfaye	A	IAC-17.E1.5.13
Zhang, Bin	CA	IAC-17.D1.4A.11
Zhang, Binquan	A	IAC-17.A1.5.1
Zhang, Bo	CA	IAC-17.D1.1.8
Zhang, Chenguang	A	IAC-17.B3.4-B6.5.9
Zhang, Chi	CA	IAC-17.B6.IP.11
Zhang, Chu	CA	IAC-17.A2.3.12
Zhang, Cong	CA	IAC-17.B1.IP.6
ZHANG, Di	CA	IAC-17.A2.2.4
Zhang, Dong	CA	IAC-17.D2.IP.9
Zhang, Duo	A	IAC-17.C4.9.11
Zhang, Duo	CA	IAC-17.C3.3.1
Zhang, Fan	CA	IAC-17.C1.5.9
Zhang, Feng	A	IAC-17.D2.IP.23
Zhang, Feng	CA	IAC-17.B2.7.12
Zhang, Guanghui	CA	IAC-17.A2.4.7
Zhang, Hao	CA	IAC-17.D2.3.11
Zhang, Hao	CA	IAC-17.D1.IP.24
Zhang, Hao	CA	IAC-17.D2.IP.11
Zhang, Hao	CA	IAC-17.D4.3.13
Zhang, Hao	CA	IAC-17.D2.8-A5.4.8
ZHANG, Haocheng	CA	IAC-17.D2.4.8
Zhang, Haolong	CA	IAC-17.D3.3.6
Zhang, Heng	A	IAC-17.A3.1.6
Zhang, Hongwen	CA	IAC-17.B3.7.7
Zhang, Hongxing	CA	IAC-17.A1.IP.23
Zhang, Hua	A	IAC-17.C4.4.11
Zhang, Jian	CA	IAC-17.B3.6-A5.3.8
Zhang, Jianquan	CA	IAC-17.A2.6.5
Zhang, Jiaolong	A	IAC-17.B4.5.8
Zhang, Jingrui	CA	IAC-17.C1.1.1
Zhang, Jingrui	CA	IAC-17.B6.IP.9
Zhang, Jingrui	CA	IAC-17.C1.IP.6
Zhang, Junhua	A	IAC-17.C1.6.11
Zhang, Junhua	CA	IAC-17.C1.IP.16
Zhang, Kai	CA	IAC-17.C2.IP.24
Zhang, Kefei	CA	IAC-17.E2.1.7
Zhang, Kefei	CA	IAC-17.A6.9.1
Zhang, Liangchang	A	IAC-17.A1.IP.24
Zhang, Liangchang	CA	IAC-17.A1.IP.27
Zhang, Liangchang	CA	IAC-17.A1.7.5
Zhang, Lisong	CA	IAC-17.C4.5.11
Zhang, Long	A	IAC-17.A7.IP.9
Zhang, Meng	CA	IAC-17.A1.5.1
Zhang, Mengyang	CA	IAC-17.E6.1.1
Zhang, Nan	CA	IAC-17.A1.IP.30
Zhang, Peng	CA	IAC-17.A2.7.4
Zhang, Pinliang	CA	IAC-17.A6.3.8
Zhang, Qian-cheng	CA	IAC-17.C2.7.13
Zhang, Renyong	A	IAC-17.A3.IP.26
Zhang, Rui	CA	IAC-17.B2.IP.13
Zhang, Shengjun	A	IAC-17.A6.8.9
Zhang, Shenyi	CA	IAC-17.A1.5.1
Zhang, Shenzhan	A	IAC-17.C3.3.2
Zhang, Shu	CA	IAC-17.E3.IP.11
Zhang, Shuguang	CA	IAC-17.C1.5.5
Zhang, Shuguang	CA	IAC-17.C1.IP.19
Zhang, Shuo	CA	IAC-17.C1.1.12
Zhang, Silong	CA	IAC-17.C3.3.1
Zhang, Silong	A	IAC-17.C4.IP.39
Zhang, Tao	CA	IAC-17.D1.4A.11
Zhang, Tao	CA	IAC-17.C2.IP.38
Zhang, Teng	A	IAC-17.D1.6.11
Zhang, Tiehua	CA	IAC-17.A1.IP.23
ZHANG, Tong	A	IAC-17.C1.IP.13
ZHANG, Wanlu	A	IAC-17.E3.IP.12
Zhang, Wei	CA	IAC-17.A2.2.7
Zhang, Wei	CA	IAC-17.D3.4.9
Zhang, Wei	A	IAC-17.C2.9.4
Zhang, Xiang	A	IAC-17.B4.6A.7
Zhang, Xiaochen	CA	IAC-17.A3.IP.32
Zhang, Xiaochen	CA	IAC-17.B5.2.7
ZHANG, Xiaomin	CA	IAC-17.B4.4.10
ZHANG, Xige	CA	IAC-17.B2.IP.18
Zhang, Xin	A	IAC-17.D5.3.1
Zhang, Xinbin	CA	IAC-17.C2.IP.30

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Be part in our competition by uploading your own IAC 2017 Highlights video on Facebook using the hashtag #IAC2017

It should be max 3 min. long and needs to be published by Thursday 28th at 1pm (13h) Adelaide time (ACST). The most liked video by Friday 29th at 1pm (13h) Adelaide time (ACST) will be shown during the #IAC2017 Closing Ceremony.

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GLAC 2018
Global Space Applications Conference

21 - 23 May 2018 | Montevideo, Uruguay

GLOBAL SPACE APPLICATIONS CONFERENCE (GLAC 2018)

www.glac2018.org

Conference Objectives

The conference will gather representatives of space agencies, industry, academia and other stakeholders from all over the world to network and find collaboration opportunities.

Space companies, ranging from startups to big corporations, are providing services for various sectors, including agriculture, farming, mining, fishing, transport, energy and others.

The GLAC 2018 will strategically take place in Uruguay and will provide a platform for the countries of the region and worldwide to raise awareness about the benefits of space applications for their socio-economic development.

The comprehensive programme will include high-level keynotes, round tables as well as dedicated sessions for young professionals and students that will address the most recent achievements in satellite-based applications and explore how industry, politics, and law will help shape the future of this exciting domain of astronautics.

Venue

Radisson Montevideo Victoria Plaza Hotel
Address: Plaza Independencia 759, 11100 Montevideo, Uruguay

GLAC 2018 at a Glance

	08:00	09.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.0
Monday 21 May		"Space Up"				Welcome Lunch		Opening Ceremony	Exhibition Opening	Keynote Topic 1 / Plenary 1 / Exhibition		Welcome Reception		
						Registration								
Tuesday 22 May	Registration	Keynote Topic 2 / Plenary 2 / Exhibition		Coffee Break	Keynote Topic 3 / Plenary 3 / Exhibition		Lunch Break	Keynote Topic 4 / Plenary 4 / Exhibition	Coffee Break	Keynote Topic 5 / Plenary 5 / Exhibition			Gala Dinner	
Wednesday 23 May	Registration	Keynote Topic 6 / Plenary 6 / Exhibition		Coffee Break	Results & Recommendations of Plenaries	Closing								

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