

First Name	Last Name	ID	Title	Country	spName	Symposium	Date	Time	Screen
Jacinda	Cottee	103516	Neuroshield: An Operational Protocol for Astronaut Cognitive Preservation	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	12:45-12:55	1
Barnabás	Pásztor	98359	Exploring the Impact of Low Earth Orbit Conditions on Human DNA: A Nutrigenetic Perspective related to human spaceflights	Hungary	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	12:55-13:05	1
Elena	Rocchi	103619	Designing Orbital Emergency Medical Facilities Using Immersive Technologies and Digital Twins	United States	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:05-13:15	1
Rucha	Kelkar	98943	Results from Polaris Dawn: impacts of short-duration space flight on human brain morphology	United States	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:15-13:25	1
Narmina	Ibrahimova	97170	Psychological Resilience and Mental Health Strategies for Long-Duration Space Missions	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:25-13:35	1
Shuo	Liu	97519	AIGC-Based Intelligent System for Astronauts' Psychological Health Management	China	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:35-13:45	1
Abdallahman	Alshamaileh	98392	Design and Deployment of a Custom-Built Remotely Operated Vehicle for Simulating Space Exploration.	Jordan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	12:45-12:55	2
Natalia	Agramont Morales	95219	Why La Paz, Bolivia Should Be the Next Astronaut Pre-Flight Training Site	Bolivia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:35-13:45	2
Cecilia Guadalu	Torres Perea	103338	Exploring the Universe and Exploring Our Minds: Psychological Challenges of Long-Term Space Missions	Mexico	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	12:45-12:55	3
Fay	Ghani	97406	On the Way to Mars: Navigating the Possible Impacts of Cosmic Radiation on Leukemia Risk	United States	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:05-13:15	3
Snehasri	Ravishankar	103234	Why Should we Care About Astrobiology?	France	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:15-13:25	3
Karoly	Schlosser	103877	Mindfulness training to improve the behavioural health and performance of astronauts	Hungary	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	12:45-12:55	4
Taja	Jafarova	96848	bone marrow	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	12:55-13:05	4
Leyla	Aghayeva	100038	fonturacetam: a new analog of sydnocarb	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:05-13:15	4
Anar	Məmmədov (Mamm)	95008	Unveiling Temporal Signatures in Human Omics: A Novel Platform for Biological Analysis and Potential Therapeutic Discovery	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:25-13:35	4
Marta	Cid Lopez	102270	Integrating assistive robotic technology for the next generation of EVA Spacesuits.	France	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	12:45-12:55	5

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Anar	Məmmədov (Mammadov)	103616	Pioneering Novel Drug Delivery Platforms for Extended Space Missions	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:25-13:35	5
AKARI	FUJII	103603	Medical research on stress coping skills and group adaptation for the Japanese Antarctic Research Expedition (JARE) - First report -	Japan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:35-13:45	5
Katherinne	Herrera-Jordan	103201	Space Radiation Carcinogenesis: A Computational Approach to Cancer Risks in Long-Duration Missions	Guatemala	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	12:45-12:55	6
Cameron	Shetler	99444	Spacelght and Rashies: Current Research and Countermeasures for Combating a Common Complaint of Astronauts	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	12:55-13:05	6
Ivy	Mayor	103135	Long term effect of microgravity in the astronaut microbiome and strategies for mitigation: A systematic review	Sweden	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:05-13:15	6
Majd	Alsadi	97148	Advancements in Astrobiology and Space Exploration	Jordan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	29/09/2025	13:15-13:25	6
GiWon	Nam	94102	Pioneering Lunar Connectivity: South Korea's Role in 5G Infrastructure for Space Exploration	Korea, Republic of	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:45-12:55	7
Jake	Maughan	96833	understanding the nature of permanently shadowed regions on the moon using high-speed impact events	Australia	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:55-13:05	7
Anastasia	Stepanova	95738	Regolith Flowability in Lunar Gravity and Vacuum	United States	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:05-13:15	7
Katie	Doyle	101240	Technical maturation of Australian lunar exploration robotic capabilities	Australia	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:35-13:45	7
Jiaying	YU	96156	Legal Principle of Non-appropriation in Lunar Station Context	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:45-12:55	8
Shilin	Zhang	95750	Low Reaction Trajectory Generation for a Hexapod Rover on Non-Horizontal Terrain in Microgravity	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:55-13:05	8
Belinda	Rich	98869	Controlled cooling apparatus for evaluating lunar heat transfer conditions in ISRU aluminium processing	Australia	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:15-13:25	8
Surya Pratap	Singh	99007	Refining of regolith derived ferrosilicon alloys for the lunar steel production	Australia	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:35-13:45	8
Sebastian	Stelter	97210	A Clustering Based Multi-Robot Coverage Path Planning Approach for Martian Surface Exploration	United Kingdom	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:45-12:55	9
Gail	Iles	99970	Geochemical Data of the Curiosity Rover on Mars in LithoSpace	Australia	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:05-13:15	9

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Jafar	Sadig	103493	analysis of the application of new generation nuclear batteries in reconnaissance ground vehicles	Azerbaijan	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:15-13:25	9
Changqing	Ding	101493	Hopper-Based Lunar-Penetrating Radar Imaging	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:35-13:45	9
Samet	Karakas	101800	MarsRad: Algorithmic Model for Monitoring and Analyzing Mars Environmental Effects on Human Cells	Türkiye	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:45-12:55	10
Yaqoob	Alqassab	100035	AI-Driven Cooperative Path Planning for Lunar Rover Swarms in Polar Regions	Bahrain	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:55-13:05	10
Akif	Mohiuddin	102574	hazard avoidance and systematic autonomous landing for spacecraft on mars using computer vision	Bangladesh	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:05-13:15	10
Abdallahman	Alshamaileh	98512	From Deep Sea to Deep Space: using deep learning approach By Integrating Image Recognition model into Remotely Operated Vehicle for Space Inspection	Jordan	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:15-13:25	10
Atakan	Durmaz	102536	Simulation and Control of an Unmanned Lunar Rover at the Moon's South Pole: Leveraging Challenging Illumination Conditions for Enhanced Exploration	Türkiye	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:25-13:35	10
Oliver	Bensch	101078	AAAG-Enabled Large Language Model with Knowledge Graph Integration for Live Telemetry-Driven AI Assistance of Lunar Payload Operations	Germany	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:35-13:45	10
Nasir	Rizwan	94927	Establishing an Analog Research Facility in Pakistan for Mars Exploration & Space Research Advancements	Pakistan	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:45-12:55	11
Jey Pradeep	Arumugam	98052	AI-Enhanced Laser-Induced Breakdown Spectroscopy for Planetary Exploration	India	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:55-13:05	11
Shenghao	Wang	100339	a lunar surface multi-mode locomotion soft robot based on asymmetric design	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:05-13:15	11
Haiyun	Su	100348	illumination-adaptive distributed task planning for robotic clusters in long-term lunar base	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:15-13:25	11
Chenhao	Ouyang	102996	gravity compensation system for lunar rovers with point cloud terrain-based height prediction	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:25-13:35	11
Majd	Alsadi	97174	Moon Exploration – Part 1	Jordan	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:35-13:45	11
Ashutosh	Mishra	95093	Harnessing Evolutionary Algorithms for Adaptive Modular Robotics Design in Lunar Missions	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:45-12:55	12
Anish	Kumar	97988	Design and Analysis of a Martian Ascent Vehicle Carrier with a Built-in Launch-System	India	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	12:55-13:05	12

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Josselin	Lavigne	101572	Is Space the New Wild West of the 21st Century?	France	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:05-13:15	12
Fanyi	Liu	100260	Omega-k Algorithm with an Improved Stolt Interpolation Strategy for SHARAD Data	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:15-13:25	12
Anar	Məmmədov (Mammadov)	100898	Blue Ghost Mission 1: Autonomous Lunar Operations and Scientific Payload Deployment for Future Exploration	Azerbaijan	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:35-13:45	12
Annika	Schmidt	98355	Promises and challenges of robotic quadrupeds for space exploration	Germany	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:15-13:25	13
Jing	Liu	101786	flyby spacecraft assisted optical navigation method for approach phase of asteroid kinetic impact	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	29/09/2025	13:25-13:35	13
Beatrice	Jones	103535	An Integrated Probabilistic Multidisciplinary 3D Modelling Methodology to Advance Lunar Resource Assessments for ISRU Evaluations Supporting Moon-to-Mars Exploration	New Zealand	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	29/09/2025	12:55-13:05	14
Kiriti	Rambhatla	94602	The Kosmosuit: Next Generation End-End Spacesuit Platform	Australia	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	29/09/2025	13:35-13:45	14
José Fernando	Ramos García	102089	Basic distribution of underground colonies on mars based on methods used by ants: the development of 100 million years of evolution employed in human interplanetary	Mexico	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	29/09/2025	13:25-13:35	15
Nafisa Zian	Imam Shafi	102708	Exploring Lunar Regolith-Based Shielding for Infrastructure Protection	United Arab Emirates	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	29/09/2025	13:35-13:45	15
Thomas	Cernev	97952	Developing scalable lunar agriculture systems to facilitate human exploration	Australia	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	29/09/2025	12:55-13:05	16
Nijanthan	Vasudevan	94670	Adaptive AI-Driven, Edge-Computing Robotic Platforms for Advanced Human-Robot Collaboration in Extraterrestrial Habitat Construction	United States	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	29/09/2025	13:05-13:15	16
Roman	Prokazov	98362	Deep Learning-Based Spacecraft Pose Estimation with a Fail-Safe Fallback Mechanism	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:15-13:25	16
Lily	Flannery	102059	Assumptions and uncertainty in re-entry prediction software	Australia	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:25-13:35	16
Farah Diya	Yasmine	94909	A proposal on responsible space activities: the exploration, governance, and response towards space debris events in a legal binding instrument	Indonesia	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:35-13:45	16
Girish	Narayanan	99462	Mixed-Fidelity Light Curve Simulation for Characterization of Resident Space Objects	New Zealand	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	12:45-12:55	17
Shun	Taguchi	100066	neural network-based attitude estimation of space debris using a monocular optical camera	Japan	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	12:55-13:05	17

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Robert	Rovetto	96907	The Orbital Debris Decision Tree	United States	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:05-13:15	17
Pia	Lenhardt	97936	A review of conjunction detection and collision probability assessment techniques for the use in a cislunar simulation framework	Germany	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:15-13:25	17
Shabadini	Sampath	95234	Hybrid Control of Space Manipulators for Active Debris Removal: A Comprehensive Review	United Kingdom	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:25-13:35	17
George	Bowden	99577	Acoustic ray tracing of infrasound from re-entering objects	Australia	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:35-13:45	17
Yurun	Yuan	99660	Collision risk assessment for constellation satellites Based on A Multidisciplinary Space Debris Evolution Model	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	12:45-12:55	18
Ken	Smart	99303	Update on Space Situational Awareness with CSIRO Radio Telescopes	Australia	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:05-13:15	18
Rahul Dada	Sharmale	94347	Enhancing Space Situational Awareness (SSA) with Optimized Trailing Satellite Formation and Conjunction Analysis for Earth's Coverage in LEO.	India	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:15-13:25	18
Elisa	Boccolari	102518	Synergies between Particle-in-a-Box Methods and High-Fidelity Methods for Long-Term LEO Debris Evolution	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:25-13:35	18
Francesca	Ottoboni	100604	Long-term fragmentation reconstruction techniques leveraging the dynamics of debris cloud expansion	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:35-13:45	18
Ruonan	Zhang	99405	Configuration Optimization Design Method for Spacecraft with Stabilized Drag-Augmentation Spheres	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	12:45-12:55	19
Kathiravan	Thangavel	99569	Next-Generation Tracking Systems for Enhanced Space Domain Awareness and Optimized Space Traffic Management	United Arab Emir	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	12:55-13:05	19
Pietro	De Marchi	99780	SPECS: A Fragmentation Estimation Framework for Solar Power Satellites and Integration into the NESSY Evolutionary Model	United Kingdom	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:05-13:15	19
KaiQi	Cui	95022	Compound Poission process and launch activity	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:15-13:25	19
Hao	Fu	95624	Space objects conjunction analysis via orbital error propagation	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:25-13:35	19
Faun	Watson	97517	simulation of ion drag over charged deorbiting deployables in realistic orbital conditions	New Zealand	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:35-13:45	19
Partha	Chowdhury	99362	An unsupervised learning based approach for ground station selection for space situational awareness	India	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	12:45-12:55	20

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Matthew	Willson	99898	Geodesic Intersection Gridding for Ground Risk Assessment of Space Debris	Australia	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:05-13:15	20
Florence Pauline	Basubas	99013	Incentivizing Responsible Space Practices through the Debris Offsetting Fund and Space Sustainability Rating	The Philippines	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:15-13:25	20
Nicolò	Trabacchin	100396	Investigating the fragmentation of Intelsat 33E in GEO orbit	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:25-13:35	20
Shuming	Zhang	100271	optimizing multi-debris removal sequencing under multiple constraints	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:35-13:45	20
Andrea	Valmorbida	97243	HARVESTING SOLAR ENERGY FOR PROPULSION: A BREAKTHROUGH IN GREEN MOBILITY FOR SPACE APPLICATIONS	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	13:35-13:45	21
Giacomo	Govoni	100659	Maintenance and sustainability in orbit: modular standard for the new generation of satellites	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	29/09/2025	12:45-12:55	22
AMIT	MAJI	103479	High Accuracy Active Pixel Sun Sensor (HAPSS): Success Behind Aditya-L1 Mission	India	A7	IAF SYMPOSIUM ON ONGOING AND NEAR FUTURE SPACE	29/09/2025	13:05-13:15	22
Mikhael	Sayat	98071	Detecting Gravitational Phase Shift with Quantum Optical Interferometers	Singapore, Republic of	A7	IAF SYMPOSIUM ON ONGOING AND NEAR FUTURE SPACE	29/09/2025	13:15-13:25	23
Jun	Lyu	100576	Design of a Precision Force Measurement Scheme for the Test Mass Caging and Releasing Mechanism	China	A7	IAF SYMPOSIUM ON ONGOING AND NEAR FUTURE SPACE	29/09/2025	13:25-13:35	23
Dahyun	Lee	101080	Empowering Non-Experts: The Potential of NLP-Based AI in Remote Sensing Image Interpretation	Korea, Republic of	B1	IAF EARTH OBSERVATION SYMPOSIUM	29/09/2025	13:35-13:45	23
Endrit	Shehaj	100974	A machine learning approach to analyze planetary boundary layer height from GNSS radio occultation observations	United States	B1	IAF EARTH OBSERVATION SYMPOSIUM	29/09/2025	12:45-12:55	24
naeun	kim	95345	initial performance and calibration of the neonsat system: paving the way for small satellite constellations	Korea, Republic of	B1	IAF EARTH OBSERVATION SYMPOSIUM	29/09/2025	13:25-13:35	24
Longwei	Xu	97611	An Autonomous Mission Planning Method for Earth Observation Satellites Based on Reinforcement Learning	China	B1	IAF EARTH OBSERVATION SYMPOSIUM	29/09/2025	13:35-13:45	24
Yifan	Cai	101015	Constellation Management Optimisation for Rapid and Sustained Coverage in Emergency Earth Observation	Italy	B1	IAF EARTH OBSERVATION SYMPOSIUM	29/09/2025	13:25-13:35	25
Lingyun	Gu	96881	A Circular Representation-Based Remote Sensing Object Detection Method For Rapid Earth Observation	China	B1	IAF EARTH OBSERVATION SYMPOSIUM	29/09/2025	13:35-13:45	25
Elisa	Jager	99681	Establishing Lunar Optical Communications Capability at ANU's Quantum Optical Ground Station.	Australia	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	13:15-13:25	26

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Timon	Petermann	99481	QUBE-I Mission Update: First Year of Operation of a 3U CubeSat for Quantum-Key-Distribution Experiments	Germany	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	13:25-13:35	26
KENJI	SHIMIZU	97544	Demonstration of Terrestrial Quantum Secure Time Transfer for Satellite Applications	Australia	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	13:05-13:15	27
Yang	Zhao	97756	Research on a self-optimization TT&C scheme of giant constellation based on ISL	China	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	13:15-13:25	27
Michael	Copeland	99019	Instrumentation for the ANU Quantum Optical Ground Station	Australia	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	13:35-13:45	27
Mikhael	Sayat	98044	A Virtual Global Quantum Network Platform	Singapore, Republic of	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	12:45-12:55	28
Ming	Zhu	95540	Neuromorphic Computing: A Bio-Inspired Approach to High-Altitude Platform Stabilisation with Visual Odometry	Australia	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	12:55-13:05	28
SOOYEON	KANG	97687	The Challenges of developing DTN protocol for embedding on flight software	Korea, Republic of	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	13:05-13:15	28
Heejung	Yu	98982	Optimization of Resource Allocation and ISL Compression in IAB-based Regenerative LEO Networks	Korea, Republic of	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	13:25-13:35	28
Surya Vaibhav	DVR	102591	student satellite mission planning for earth imaging payload application	India	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	13:35-13:45	28
Eberhard	Gill	94661	FREE: A Research Program for Optical Wireless Superhighways	The Netherlands	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	12:45-12:55	29
Amal	Mirzayev	98324	ai powered cubesats for iot communication	Azerbaijan	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	29/09/2025	13:05-13:15	29
Samiksha	Raviraja	103210	AI as an Astronaut? Evaluating AI-Driven Autonomous Crews for Deep-Space Missions	United Kingdom	B3	IAF HUMAN SPACEFLIGHT SYMPOSIUM	29/09/2025	13:35-13:45	29
Dooyoung	Jeong	100137	BEE-1006 CubeSat: Protein Crystallization Control and Monitoring in Space	Korea, Republic of	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	29/09/2025	13:25-13:35	30
Jyh-Ching	Juang	94701	Differential Drag Control of the Lilium CubeSats	Taiwan, China	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	29/09/2025	13:35-13:45	30
Andrew	Barlow	98782	Software to Enable Batch Acceptance Testing of On-Board Computers for Small Satellites	Canada	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	29/09/2025	12:45-12:55	31
Kyle	McMullan	97512	Lessons Learned from the Flight and Operation of the Binar 2, 3, and 4 Cube Satellites	Australia	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	29/09/2025	12:55-13:05	31

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Jacob	O'Riordan-Ross	97505	Wiring Harness Design and Integration for Flexible Small Satellite Missions	Canada	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	29/09/2025	13:05-13:15	31
Hayley	Richardson	99119	Opportunistic Space-Based Space Situation Awareness using Star Trackers	Australia	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	29/09/2025	13:15-13:25	31
Shungo	Kadonosono	98876	Mechanical Characteristics of Variable Shape Membrane for Thermal Control Devices on Small Spacecraft	Japan	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	29/09/2025	13:25-13:35	31
Carl	Brandon	97230	High Integrity Software for CubeSats and Other Space Missions	United States	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	29/09/2025	13:35-13:45	31
Andreas Johann	Hörmer	94700	Operational insights from the PRETTY CubeSat mission for future small spacecraft operations	Austria	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	29/09/2025	12:45-12:55	32
Qian	Wen	100034	uncertainty analysis for grabbing positioning and release mechanism in space-based gravitational wave observatory	China	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	29/09/2025	12:55-13:05	32
Andre	Kupetz	97743	Development and Optimization of an Operations Concept for a Dual-LIDAR Component of the Earth Return Orbiter	Germany	B6	IAF SPACE OPERATIONS SYMPOSIUM	29/09/2025	13:15-13:25	32
Xiaoyi	Wang	99215	Robust Control and Path Planning for Modular On-Orbit Assembly by Dual-Arm Space Robots	China	B6	IAF SPACE OPERATIONS SYMPOSIUM	29/09/2025	13:25-13:35	32
Raihana Shams	Antara	101765	Development and validation of VERIECS Satellite Ground Station Operation Software for Real-Time Telemetry and Mission Command Execution	Japan	B6	IAF SPACE OPERATIONS SYMPOSIUM	29/09/2025	13:35-13:45	32
Hangyeol	Kim	99467	Relative RAAN Shift Using J2 Perturbation with Finite Thrust and Burn Time Constraint	Korea, Republic of	B6	IAF SPACE OPERATIONS SYMPOSIUM	29/09/2025	12:45-12:55	33
Beomjin	Gwon	97553	Optimal Satellite Task Allocation Using Small Satellite Constellations: Integer Linear Program Based Approach	Korea, Republic of	B6	IAF SPACE OPERATIONS SYMPOSIUM	29/09/2025	12:55-13:05	33
Mrudhula	Vijayakumar	96057	Machine learning Approaches for Antenna Servo Control System Failure Prediction	India	B6	IAF SPACE OPERATIONS SYMPOSIUM	29/09/2025	13:05-13:15	33
Linjian	Sun	95781	An integrated framework based on deep autoregressive models for satellite telemetry parameter forecasting, imputation and anomaly detection	China	B6	IAF SPACE OPERATIONS SYMPOSIUM	29/09/2025	13:15-13:25	33
Onur	Çelik	102383	Design of elliptic orbit constellations for solar reflectors for terrestrial solar energy enhancement	The Netherlands	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	13:25-13:35	33
Murathan	Bakır	94965	AI-Enabled Optical Navigation and Anomaly Detection for a Moon-Orbiting Spacecraft	Türkiye	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	13:35-13:45	33
Seur Gi	Jo	95224	Spacecraft rendezvous and proximity operations using computer vision and SE(3) dynamics	United States	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	12:45-12:55	34



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Jaeyoul	Ko	95979	Performance Analysis and Design Framework for Earth Observation Small-Satellite Constellations	Korea, Republic of	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	12:55-13:05	34
Gunhee	Yi	97669	Orbit-Phasing Based Transfer Trajectory to Inclined Heliocentric Orbit around Sun-Earth L4	Korea, Republic of	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	13:05-13:15	34
Vladimir	Razoumny	102377	Applications of Space Tethers in Orbital Manoeuvres	Russian Federation	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	13:15-13:25	34
Shengxian	Yu	100574	Orbit determination of constellation satellites with maneuvers based on sparse optical data	China	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	13:25-13:35	34
Jeremy	Partington	101758	Graphical Solution to Kepler's Time Equation	Australia	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	13:35-13:45	34
Luigi	Gisolfi	95380	Open-Source High-Fidelity Orbit Estimation for Planetary Science and Space Situational Awareness Using the Tudat Software	The Netherlands	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	12:45-12:55	35
Wang	zhengtao	97108	intelligent spacecraft avoidance maneuver strategies for an uncertain number of threat targets	China	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	12:55-13:05	35
Stefano	Casotto	103142	verified computation of ocean tide perturbations	Italy	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	13:05-13:15	35
Suyi	Liu	98041	Consistency Intelligence Control Method for Coordinated Pursuit of Non-Cooperative Targets in Multi-Spacecraft Systems	China	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	13:15-13:25	35
Matteo	Santacesaria	103096	Low-Cost rendezvous and phasing with the Lunar Gateway leveraging quasi-periodic tori	Italy	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	13:25-13:35	35
Tanya	Krishna Kumar	102310	SPACECRAFT CONTROL IN CONSTRAINED ENVIRONMENTS: BARRIER LYAPUNOV FUNCTION-BASED RENDEZVOUS AND DOCKING WITH HYBRID ACTUATOR	India	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	13:35-13:45	35
Shathria	Ompragash	102061	Aerodynamic Analysis for Drag-Controlled Collision Avoidance for the M2 CubeSats and the Feasibility of a LEO Space Corridor	Australia	C1	IAF ASTRODYNAMICS SYMPOSIUM	29/09/2025	12:45-12:55	36
Malwina	Bielecka	99471	Parachute canopy stress measurements using a flexible screen-printed strain gauge array	Poland	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:05-13:15	36
Eliza	Łapińska	98364	Design and testing of a dual-mode actuation mechanism for rocket recovery system	Poland	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:15-13:25	36
Sriram	Kumar	103275	A Comprehensive analysis of Integrating Additive Manufacturing and Origami Mechanics Through Theoretical, Experimental and review based Analysis of Miura Fold	United States	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:25-13:35	36
Abigail	MacGillivray	95934	Development and Qualification Testing of Microsatellite-Class Deployable Drag Sails	Canada	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:35-13:45	36

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LIU	MIN	96193	Study on vibration test method of large spacecraft based on integrated analysis spacecraft-vehicle and response equivalence	China	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	12:45-12:55	37
Raphaela	Guenther	102779	Wood-based materials in space - an insight into the development and testing for an application on hot structures	Germany	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	12:55-13:05	37
Davide	Sorli	100293	Design and testing of a Cubesat Based Deployable Robotic Arm for Small Satellites Servicing and Debris Removal Applications	Italy	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:05-13:15	37
Martina	Ferrauto	95694	Modeling and Real-time Simulation of Spacecraft Berthing: Orbital Dynamics and Lumped Parameter Systems in Proximity Operations	Italy	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:15-13:25	37
Leire	Roma Rubi	103132	Tensegrity-Based Heat Shields for Spacecraft Reentry Systems	United States	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:25-13:35	37
Leire	Roma Rubi	103144	Origami-Tensegrity Structures for Planetary Surface Protection and Adaptive Deployment	United States	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:35-13:45	37
Ashley	Tirado-Pujols	95455	ysz coatings for lunar applications: characterizing wear resistance and surface degradation	United States	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	12:45-12:55	38
Peiying	Li	94312	Study on S-ALE Method of Pyrotechnic Separation Simulation Test	China	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	12:55-13:05	38
Adriana	Barrios Garcia	99194	Electromagnetic Compatibility for Spacecraft Launches: An Analysis and Interpretation of the Phenomenon Using Statistical Correlations.	Colombia	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:05-13:15	38
Pierpaolo	Palmieri	99625	Enabling Sustainable Servicing of GEO Satellites through an Inflatable Robotic Manipulator	Italy	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:25-13:35	38
Anar	Hamdullayev	96590	Self-Healing Materials for Sustainable Space Infrastructure: Enhancing Durability and Reducing Maintenance Needs	Azerbaijan	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	29/09/2025	13:35-13:45	38
Elia	puccinelli	100403	Feasibility Analysis of an Innovative Bimodal Ammonia Nuclear Thermal and Electric Rocket (BANTER)	Italy	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:15-13:25	39
Lisa	Lopez	99476	application of a nitrogen gas diffuser in the oxidizer tank of a bi-propellant feed system	United States	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:25-13:35	39
Nico	von Eckartsberg	100534	Validation of Regenerative Cooling Design Tool through Development and Test of a Liquid Rocket Engine	United States	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:35-13:45	39
JINHA	HWANG	97981	Development of novel solid reaction control system for small satellite using electrically controlled solid propellant	Korea, Republic of	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	12:45-12:55	40
Rushabh	Pawnikar	99695	Enhancing Throttle Performance Through Mixture Ratio Control in Liquid Rocket Engines	United States	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	12:55-13:05	40

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Mariam	Alhammadi	96366	Testing Campaign of the Solar Electric Propulsion System for the Emirates Mission to the Asteroid Belt	United Arab Emir	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:05-13:15	40
Sung	Yoon	96794	effects of valve opening sequences on startup characteristics of a 100 tonf-class methane gas-generator cycle engine	Korea, Republic of	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:15-13:25	40
Felix	Liu	98731	Experimental Validation of Numerical Methodologies in Liquid-Liquid Coaxial Swirl Injector Design	United States	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:25-13:35	40
Myoungjin	Kim	100290	Electrically Operated and Controlled Solid Divert and Attitude Control Propulsion System for Small Satellite	Korea, Republic of	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:35-13:45	40
Joel	Eldo	100180	Electrohydrodynamic Plasma Generators for Enhanced Electrospray Thruster Performance	Germany	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	12:45-12:55	41
Tianwen	Li	99126	LSTM-Based Post-Mission Assessment of Reusable Rocket Engines	China	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	12:55-13:05	41
Jiaqi	Li	96882	study on cryogenic propellant retention technology for the upper stage of launch vehicles	China	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:05-13:15	41
Felix	Ebert	100881	Model-based Rocket Hopper and Propulsion System Design Optimisation	Germany	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:15-13:25	41
Sinyoung	Park	96117	Low-order modeling and analysis of propulsion control strategies for autogenous pressurization in methane-oxygen rocket engines	Korea, Republic of	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:25-13:35	41
Minwoo	Lee	96109	Development and numerical validation of a novel fractal flame arrestor for flashback prevention in premixed NOFB thrusters	Korea, Republic of	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:35-13:45	41
Chengyu	Ma	100624	water-based integrated Multimodal Propulsion: A Disruptive Solution for Efficient In-Orbit Servicing and Space Debris Removal Missions	China	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	12:45-12:55	42
Yaming	Zhao	103737	Study on the combustion characteristics of LOX/kerosene pintle injector based on the state of liquid oxygen	China	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	12:55-13:05	42
Weiran	Li	97897	numerical analysis of central fluid effects on GH2/GO2 coaxial injector	China	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:05-13:15	42
Kelly	Ash	101175	Characterizing the Ignition Boundaries of a Gaseous Oxygen-Methane Augmented Spark Igniter for Reusable Liquid-Propellant Rocket Engines	United States	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:15-13:25	42
Abishek	Shrestha	102391	Combustion Modelling and Design of Miniature Pulsed Electric Propulsion System Using Electrically Ignited Solid Propellant	Australia	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:25-13:35	42
seungyeop	Baek	100071	Ground test of nitrous oxide/ethane premixed thruster for satellite flight maneuvering	Korea, Republic of	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:35-13:45	42

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Stefano	Mungiguerra	100112	A Novel Versatile Test Bench for Liquid Bipropellant Rocket Testing and Numerical Combustion Simulations	Italy	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	12:45-12:55	43
Bowei	Jiao	96199	Optimization of Regenerative Cooling Channel Topology for LOX/Methane Engine Throat Section under Extreme Thermal Conditions	China	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	12:55-13:05	43
Xuesong	Guo	97740	design and testing of a variable thrust hydrogen peroxide/kerosene propulsion system pressurized by electric pumps	China	C4	IAF SPACE PROPULSION SYMPOSIUM	29/09/2025	13:05-13:15	43
Federico	Mustich	96605	6-DOF Pose Estimation for Planetary Rovers: A Spatial Orientation Solution Using Vision Transformers and Uncertainty-Aware Learning	Italy	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	13:15-13:25	43
Marco	Sewtz	95717	A Phase 0 Feasibility Study of a COTS GPU-Based Platform for Onboard AI in Space Missions	Germany	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	13:25-13:35	43
Sören	Heizmann	100511	Water Electrolysis: A vital enabling Technology for upcoming Space Missions	Germany	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	13:35-13:45	43
DongHyeon	Nam	98642	heterogeneous slam integration in satellite formation flying for orbital docking	Korea, Republic of	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	12:45-12:55	44
Catello Leonard	Matonti	98467	Extended Reality for Space and Astronautical Engineering Applications	Italy	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	12:55-13:05	44
GAURAV	SHARMA	101356	NUMERICAL TREATMENT OF AN INVERTED OPERATION CRYOGENIC RELIEF VALVE USING AMESIM AND EXPERIMENTAL VALIDATION IN HIGH ALTITUDE TEST	India	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	13:05-13:15	44
Emil	Ares	100298	A Low-Earth Orbit Narrowband Communications and Navigation Constellation Study	United Kingdom	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	13:15-13:25	44
Tomas	Mrazek	100681	Towards a water-based space economy	Germany	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	13:35-13:45	44
Valeria	Borio	100377	Model-Based Systems Engineering Approach for Requirements Derivation in Reusable Launch Vehicles	Italy	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	12:45-12:55	45
Giulio	Polato	98830	Advancements in spacecraft proximity operations testing: a mid-journey analysis of the SPARTANS facility toward the next challenges ahead	Italy	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	12:55-13:05	45
Jordan	Kam	101694	Demonstration of an fault investigation user interface for supporting earth-independent operations in future crewed Mars missions	United States	D1	IAF SPACE SYSTEMS SYMPOSIUM	29/09/2025	13:05-13:15	45
Shreya	Ballolli	103797	Beyond Bureaucracy: Hybrid AI-Driven Certifications for Rapid Space Transportation	India	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	29/09/2025	13:15-13:25	45
Zhuo	Zhang	97041	Overcoming Real-Time Barriers in Rocket Landing: A Hybrid LCvx-DNN Framework with Dynamic Constraints	China	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	29/09/2025	13:15-13:25	46

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Mohan	Tamang	95249	developing a cost effective launch solutions with hybrid rocket engines	Nepal	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	29/09/2025	13:25-13:35	46
Ian	Harris	94581	The Impacts of Negative Plasma Treatment on Airborne Microorganisms for Space Environment Applications	United States	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	29/09/2025	13:35-13:45	46
Nijanthan	Vasudevan	95955	Adaptive Exoskeleton and VR Simulation Framework for Enhanced Astronaut Mobility in Partial-Gravity Environments	United States	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	29/09/2025	12:45-12:55	47
Nijanthan	Vasudevan	101540	AI-Driven Autonomous Robotics for Scalable Lunar and Martian Infrastructure Optimizing ISRU Swarm Construction and Decentralized Control	United States	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	29/09/2025	12:55-13:05	47
Aquila	Starling	99299	The Minerva Program: A Concept of Operations for Sustainable Lunar Habitation	United States	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	29/09/2025	13:15-13:25	47
Matteo	El Hariry	100422	Reinforcement Learning for Autonomous Visual Inspection of Space Targets	Luxembourg	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	29/09/2025	13:25-13:35	47
Maria Anna	Laino	100272	Designing an In-Space Recycling Station for a Sustainable Circular Space Economy	United Kingdom	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	29/09/2025	13:35-13:45	47
Rayhan Md	Faysal	99156	Geopolymer-based lunar construction materials utilising in-situ lunar resources	Australia	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	29/09/2025	12:55-13:05	48
Axel	Núñez Arzola	94269	Lunar Cloud Services	Mexico	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	29/09/2025	13:25-13:35	48
Matheus	Guedes	103810	sari competition and international cooperation for educational and technological development	Brazil	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	13:35-13:45	48
Sophie	Poisel	99498	Launching Futures: Powerhouse Academy Space Programs for K-12 Students	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	12:45-12:55	49
Julia	Alvarez Vallero	101393	MELIORA: the seed to interconnect South America space community	United States	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	12:55-13:05	49
Raymond	Yin	97043	Introductory Teaching of Planetary Science from the Perspective of Interdisciplinary Integration: A Case Study of Stellar Nucleosynthesis	China	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	13:05-13:15	49
Victor	Baptista	103804	Space Education for Social Impact: A Project-Based Learning Approach for Brazilian Public High Schools	Brazil	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	13:25-13:35	49
Erin	Rose	97549	Lunar Exploration as an Interactive Narrative: Engaging Young Adults Through Gamified Role-Playing	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	12:45-12:55	50
Mi-jin	Yoo	96362	Three-year Experience and Follow-Up of the Space Career Mentoring Program for University Students by the Korea public institute.	Korea, Republic of	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	12:55-13:05	50

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Axel	Núñez Arzola	94264	The International Pre-University Space Program (IPSP)	Mexico	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	13:05-13:15	50
frazier	thorpe	99207	The Plants for Space (P4S) Centre of Excellence: Growing a Future in Space and on Earth	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	12:45-12:55	51
Ghanim	Alotaibi	98498	Space Renaissance Event: Expanding Humanity to Outer Space (EHTOS)	Kuwait	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	13:35-13:45	51
Maria	Casanovas Crespo	101772	Empowering the Next Generation: Insights from the ACHIEVED Competition Supporting Students and Young Space Professionals	Spain	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	12:45-12:55	52
Rahil	Aghabayli	96607	fostering diversity in space exploration: addressing barriers and enhancing opportunities for underrepresented groups	Azerbaijan	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	29/09/2025	12:55-13:05	52
Ankit	Khanal	94475	Challenges Faced by Emerging Space Nations in the Absence of Space Law and Policy: The Case of Nepal and the Need for Space Law and Policy Frameworks	Nepal	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	29/09/2025	13:05-13:15	52
Nammi	Choe	99433	Space Policy Changes and Their Significance Since the Establishment of Korea AeroSpace Administration	Korea, Republic of	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	29/09/2025	13:15-13:25	52
Ruoxin	Liu	103453	international governance dilemmas and responses to artificial intelligence applications in outer space	China	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	29/09/2025	13:25-13:35	52
Shena	Howell	103314	The non-prescriptive approach of the Australian Space (Launches and Returns) regulations: ensuring safety while supporting space industry	Australia	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	29/09/2025	13:35-13:45	52
Anna	Hurova	94534	Legal and Financial Challenges in the Eastern European Space Sector: The Role of the Space Protocol in Enhancing Creditor Protection	Ukraine	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	29/09/2025	12:45-12:55	53
Frank	Robert	103729	From Vision to Velocity: Strategy-Driven Workforce Models for Space Sector Success	Australia	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	29/09/2025	13:15-13:25	53
Zuzanna	Filipecka	102527	Innovative Business Models for a Circular Lunar Economy: Public-Private Partnerships	Poland	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	29/09/2025	13:35-13:45	53
Jong-Bum	Kim	103488	Comparison of Public-Private Partnership in Space Development among Countries such as the US, Europe, and Korea	Korea, Republic of	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	29/09/2025	12:45-12:55	54
Michael	Castle-Miller	100653	Lunar Freeports and Economic Zones: The Role of Special Jurisdictions in Space	United States	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	29/09/2025	13:35-13:45	55
Yuyao	Zhang	98124	The International Legal Regulation of Space Object Re-entry and China's Position	China	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	29/09/2025	12:45-12:55	56
Michele Cristina	Silva Melo	98246	Reflections on Brazil's General Law on Space Activities and Its Impacts on the Private Space Sector	Brazil	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	29/09/2025	12:55-13:05	56

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Ivan	Fino	103762	Comparative Insights on Liability for Damages and Mandatory Insurance Coverage from the Perspective of Domestic Law: An Analysis of the Italian Space Bill and	Italy	E7	11th COLLOQUIUM ON THE LAW OF OUTER SPACE	29/09/2025	13:35-13:45	56
Camisha	Simmons	103456	U.N.'s Draft Principles for Space Resource Activities Are Incongruent with U.S. Law	United States	E7	11th COLLOQUIUM ON THE LAW OF OUTER SPACE	29/09/2025	12:45-12:55	57
Andrew	Macpherson	100269	SKAO Down Under: A Review of the Applicability and Suitability of Space Sustainability Principles to Terrestrial Astronomy in Australia	Australia	E7	11th COLLOQUIUM ON THE LAW OF OUTER SPACE	29/09/2025	12:55-13:05	57
Iva	Ramuš Cvetkovič	101609	Examining the Potential of Domestic Space Legislations to Mitigate Harm Caused by Space Technology: Administrative vs. Criminal Legal Approaches	Slovenia	E7	11th COLLOQUIUM ON THE LAW OF OUTER SPACE	29/09/2025	13:05-13:15	57
Junji	Kikuchi	97975	Earth Defense Orbit: Multiple Flyby of Near-Earth Asteroid for Planetary Defense and Resource Investigation	Japan	E10	IAF SYMPOSIUM ON PLANETARY DEFENSE AND NEAR-EARTH	29/09/2025	13:25-13:35	57
Yan	Shen	96825	Trajectory Optimization and Impact Strategy for Asteroid Defense: A Dual-Spacecraft Mission to Deflect Asteroid 2020 BD11	China	E10	IAF SYMPOSIUM ON PLANETARY DEFENSE AND NEAR-EARTH	29/09/2025	13:15-13:25	58
Giovane	Morais	98634	Detection and Tracking of Near-Earth Objects (NEOs): An Approach with Refined Astrometry and Differential Photometry in Python	Brazil	E10	IAF SYMPOSIUM ON PLANETARY DEFENSE AND NEAR-EARTH	29/09/2025	13:35-13:45	58
Peter	Swan	94914	Modern-Day Space Elevators' Strengths lead to Rapid Response Planetary Defense	United States	E10	IAF SYMPOSIUM ON PLANETARY DEFENSE AND NEAR-EARTH	29/09/2025	12:45-12:55	59
Georgina	Chavez	96024	Building Bolivia's Space Ecosystem: Challenges, Opportunities, and a Path Forward	Bolivia	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	29/09/2025	12:55-13:05	59
Florence Pauline	Basubas	99074	Charting the History and Advancing Future Directions of Space Medicine and Biology in the Philippines	The Philippines	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	29/09/2025	12:45-12:55	60
Amina	Valiyeva	94080	emerging space ecosystems: catalyzing innovation and global collaboration	Azerbaijan	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	29/09/2025	13:35-13:45	60
Amina	Valiyeva	94746	human physiology in space: challenges and countermeasures	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	12:45-12:55	1
David	Kim	99980	Validating Hemodynamics behaviour of the Cerebral Venous System in simulated micro-gravity using Computational Fluid Dynamics	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:35-13:45	1
Shabnam	Ibrahimova	96533	the space-immune system: how long-duration space travel alters human immunity	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	12:55-13:05	1
Ana Fernanda	Bermúdez Monroy	102941	Space-engineered biomaterials: Biopolymer and nanoparticle strategies for astronaut bone health	Mexico	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:05-13:15	1
Marc	Jurblum	94880	Spatial Therapeutics in Long Duration Spaceflight: Addressing Psychological Challenges through Mind mapping enhanced Meaning-Making and Virtual	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:15-13:25	1



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Marc	Jurblum	94883	Bionomic Fractals and Environmental Design: A low-cost passive countermeasure approach to enhancing human performance in habitats and clinical outcomes in	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:25-13:35	1
Isaac Arturo	Casillas Juárez	102744	transdermal biomedical patch against radiation hazard in deep space, a necessary treatment to reach space exploration.	Mexico	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	12:45-12:55	2
Daan	Van Den Nieuwenh	94055	Space to breathe: Investigating how to perform a cricothyrotomy in an underwater water simulation study for long-term space travel	The Netherlands	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	12:55-13:05	2
Vera	Mayorova	99730	PhytoCube program of biological research in space	Russian Federati	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:05-13:15	2
Leonardo	Nicolas Hernandez	98872	Microfluidic technologies for the search for life on icy moons: Opportunities and challenges.	Mexico	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:15-13:25	2
Mario Emmanue	Gudiño Ortiz	102900	Bioinspired AI and evolutionary algorithms for sustainable space habitats: advancing autonomous exploration, life support, and resource management – a review	Mexico	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:25-13:35	2
Marisol	Ramos Camacho	103880	Radiation and Electromagnetic Effects on Edible Plants: Findings from the Aurora 91 Mars Analog Mission	Peru	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:35-13:45	2
Ruth	Bunford	96754	Posture-Adapted Garment Design for Improved Fit and Comfort in Microgravity Environments.	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	12:45-12:55	3
Jacob	Scoccimerra	98369	Limitations of Aquaculture and Marine Biology Research in the Space Environment	United States	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	12:55-13:05	3
Susana	Alves	101047	Developing a Simulated Situation Room for Training Medical Autonomy in Deep-Space Missions	Portugal	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:05-13:15	3
Zoe	Hughes	100915	reproduction & development in space: gathering new insights into human analog reproductive health, embryonic development, and cellular adaptation under space	France	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:15-13:25	3
Funmilola	Oluwafemi	97357	Microgravity Platforms as Biotechnology Scaffolds for Socio-Economic Benefits: The Health Implications	Nigeria	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:25-13:35	3
Murad	Garamollayev	98506	Development of a Device for Regulating Sleep and Circadian Rhythm in Microgravity	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	12:55-13:05	4
Jahnavi	Dangeti	103360	Plasma-Biomimetic Life Support Systems for Extraterrestrial Habitats	India	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:05-13:15	4
Javidan	Ashurlu	98619	Magneto-Bio: Intelligent Sleep & Performance Optimizer	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:15-13:25	4
Dolly C.	Manic	99539	Nutrient recovery of Philippine cyanobacterial strains: Potential applications for regenerative life support systems	The Philippines	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:35-13:45	4



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Claudia	Gonzalez Viejo	96842	Brews in Space: Modelling Beer Acceptability in Microgravity Environments Using Digital Technologies and AI	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	12:45-12:55	5
Seymur	Shikhalizada	99305	human adaptation and health in long-duration space missions	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	12:55-13:05	5
Nazrin	Jabbarli	100152	nutritional challenges and innovations for long-duration space missions	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:05-13:15	5
Nazrin	Jabbarli	100177	pharmaceutical innovations in space: addressing health disorders and radiation effects on astronauts	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:15-13:25	5
Miklos	Kozlovsky	98812	Biosignal acquisition in harsh environment	Hungary	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:05-13:15	6
Alessandro	Bartoloni	101674	AI for scientific discovery in space radiobiology: AI-driven ontology-based methodologies	Italy	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	30/09/2025	13:15-13:25	6
Kenneth	Savin	101517	The Generation of Gold Nanospheres in the Microgravity Environment of Low Earth Orbit.	United States	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	30/09/2025	13:25-13:35	6
Kevin	Simmons	103670	Orbital Validation of Plastic-Degrading Bacteria for Sustainable Long-Duration Space Missions	United States	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	30/09/2025	13:35-13:45	6
Mansi	Bansod	98419	In-Space Manufacturing and Production Applications: Revolutionizing the Space Economy	India	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	30/09/2025	12:55-13:05	7
Sai Roshini	Kandregula	96202	Microgravity-Driven 3D Bioprinting for Enhanced Vascular Tissue Engineering in Space	India	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	30/09/2025	13:05-13:15	7
Nathalie	Vilchis Lagunes	94948	Vine Robot Intubation Device: Design and Validation for Microgravity Medical Applications	Mexico	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	30/09/2025	13:15-13:25	7
Avid	Roman-Gonzalez	94713	Monitoring Vital Signs in Pre-, In-Flight, and Post-Parabolic Flight Phases: Implications for Space Applications	Peru	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	30/09/2025	13:25-13:35	7
WEI	QIAO	98023	GROUND-SPACE CONSISTENCY STUDY OF LARGE-APERTURE SPACEBORNE SAR ANTENNAS BASED ON DYNAMICS-DIMENSIONALITY JOINT ANALYSIS METHOD	China	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	30/09/2025	13:35-13:45	7
Telsy Itzel	Villafuerte-Torres	97592	Effects of microgravity on composite material with nopal fibers.	Mexico	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	30/09/2025	13:05-13:15	8
Eugene	Choi	95012	advancing laser beam welding for in-space servicing, assembly, and manufacturing	United States	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	30/09/2025	13:15-13:25	8
Tadashi	Matsuura	96173	Analytical approach of the Behavior of Lunar Regolith Simulant in a Vacuum Environment	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:25-13:35	8

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Mineo	TSUSHIMA	99392	The new concept of regolith cleaning technology	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:35-13:45	8
Hiroki	Yasui	98960	Development of Lubrication and Cooling Systems for Transaxles in Lunar Environments	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:45-12:55	9
Andrew	Dempster	94455	The Nature of Lunar Competition and Security Implications for Ice Mining	\$	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:55-13:05	9
Ankush	Sookram	96091	Evaluating the Roles of Surface Energy and Roughness in Lunar Dust Adhesion Using Aluminium as a Testbed	Australia	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:05-13:15	9
Rogelio	Morales	103566	A Space Dynamics Navigation Routes (SDNR) for Robotic Solar System Exploration	Venezuela	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:15-13:25	9
Shiyu	An	99382	robust escape trajectory optimization for solar sail spacecrafts from nrho using polynomial chaos expansion: applications to lunar gateway missions	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:25-13:35	9
Athena	Coustenis	102290	The complex atmosphere of Titan from ground-based and space observations and future missions	France	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:45-12:55	10
Marta	Ciazela	103482	Transient Liquid Water at Low Latitudes on Mars: Evidence from Thermal Inertia and Atmospheric Chlorine Tracers	Poland	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:55-13:05	10
Ranya	Simons	95859	Development of Coatings for Passive Mitigation of Lunar Dust at CSIRO	Australia	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:05-13:15	10
Emre	Aklan	101051	Lunar Landing Simulation Platform for Lunar Lander Prototypes	Türkiye	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:15-13:25	10
JAKUB	CIAZELA	100507	MIRORES: A Compact Far-Infrared Spectrometer for Lunar Ore Identification and Future ISRU Missions	Poland	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:35-13:45	10
Suzuna	Okamoto	97464	Development of Water Extraction Systems from Lunar Regolith for In-situ Resource Utilization on the Moon	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:45-12:55	11
Shinichiro	Minegishi	99268	Power supply systems for crewed pressurized rovers on the lunar surface that ensure safety and continuity.	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:55-13:05	11
Fu	Zhu	98949	Multi-step trajectory prediction method for Mars UAV based on Bidirectional Gated Recurrent Unit	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:05-13:15	11
Akshayanivasini	Ramasamy Saravar	100740	Enhancing Autonomous Obstacle Avoidance in Mars-like Conditions Using Monte Carlo Localization with Doppler Sensor Integration	Italy	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:15-13:25	11
ANA	PIRES	103452	SENTINEL Smart Orb-System: A Scout Robot for Space Operations and Monitoring	Portugal	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:25-13:35	11

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Xiangyi	Lan	96990	a reusable lunar landing—launching infrastructure for sustainable moon exploration	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:35-13:45	11
Farha Hassan	Priti	101091	design simulation and laboratory testing of 3d modular robotic arm for lunar Mission	Bangladesh	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:45-12:55	12
Harish	Vernekar	103377	Reusable CubeSat Constellation for (99942) Apophis 2029 Observation and Beyond	United States	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:55-13:05	12
Stefano	Mungiguerra	101870	Hypersonic Entry Flow Simulation for Mars Exploration	Italy	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:05-13:15	12
Haoran	You	98142	A dielectric constant detection method for iterative optimization combined with internal imaging quality of small celestial bodies	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:15-13:25	12
Wenbin	Han	95900	A review of sintering techniques for lunar regolith simulant	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:25-13:35	12
William	Hickmott	98264	RF Tomographic Imaging for Subsurface Mapping of Small Bodies Using a Mobile Sensor Network	United Kingdom	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:35-13:45	12
Nijanthan	Vasudevan	94669	Modular Self-Reconfigurable Robotic Systems for Autonomous Mars Exploration	United States	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:45-12:55	13
Nijanthan	Vasudevan	94666	Adaptive Mechanical Architectures and AI-Enabled Control Strategies for a 4-Robot Swarm in Lunar Resource Utilization and Life Sciences	United States	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:55-13:05	13
Amina	Valiyeva	94081	gateway to the solar system	Azerbaijan	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:05-13:15	13
Karlis	Slumba	96792	Dynamic cone penetration as a seismic source in lunar highlands regolith simulant.	Australia	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:15-13:25	13
Sotirios	Zormpas	99454	LUX-Thermal and Rover: A use-case of a power generation system for lunar night survival	Luxembourg	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:35-13:45	13
Hoda	Elmegharbel	102784	design and analysis for efficient moon-based communication satellite constellation	Egypt	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:45-12:55	14
Shahad	Badri	101361	sun avoidance strategies for the emirates mission to the asteroid belt	United Arab Emir	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:55-13:05	14
Agata	fichbio@gmail.com	99364	Lessons learned from the simulation of lunar analog Colony 1	Poland	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:05-13:15	14
Kshitij	Mall	100960	System Design of Mission ShakthiSAT Involving a Semi-hard Moon Impactor	United States	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:25-13:35	14

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Serika	Yokoyama	102120	Effective Verification Scheme for Planetary Rover Localization Method utilizing Lunar Simulant Environment	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:35-13:45	14
Kento	Mizunuma	100929	STAR OCCULTATION TEMPLATE MATCHING FOR LUNAR ROVER LOCALIZATION	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:45-12:55	15
Hunter	Moore	94718	Novel Approaches to In-Situ Localization, Extraction, Processing, and Utilization of Martian Regolithic Iron	France	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	12:55-13:05	15
Yitong	Wu	96426	An adaptive multi-robot exploration framework for lunar lava tubes: reinforcement learning-driven self-organized task allocation and local heuristic path planning	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	30/09/2025	13:05-13:15	15
Teresa	Klinner-Teo	96320	Analysis of a systematic time delay between fragmentation events and debris cataloguing	Germany	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:45-12:55	16
Katsuki	Tashiro	100343	Multi-Target Tracking Method Based on Improved SORT for Space-based Observation of Resident Space Objects Using Star Tracker	Japan	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:55-13:05	16
Christina	Dunker	98835	Enhancing Reentry Risk Analysis for Space Objects: Methodologies and Improvements	New Zealand	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:05-13:15	16
Guo	Chen	102072	An AI-Based Framework for Space Debris Detection and Localization in Cislunar Space toward Enhanced Situational Awareness	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:15-13:25	16
Silu	Xu	102379	A Space-based Optical Rapid Celestial Positioning Method for Space Debris Orbit Determination	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:25-13:35	16
Minkwan	Kim	103634	Multiscale Modelling of Satellite Ablation and Their Environmental Impacts	United Kingdom	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:35-13:45	16
Luca	Armani	95698	Deos a compact, scalable and modular deorbit system for cubesats	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:45-12:55	17
Maurice	Uteg	97179	Machine Learning Approach for Accurate and Robust Satellite Tracking in Optical Space-to-Ground Communication using Time-Series Prediction for LEO	Germany	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:55-13:05	17
Fatima	Alnaqbi	100685	A Swarm-Driven Solution for Space Debris Removal: Inspection, Capturing, and Controlled De-orbiting	United Arab Emir	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:05-13:15	17
Paul	Haufe	98237	Minimum-Time Spacecraft Collision Avoidance Using Aerodynamic Lift and Drag via Reachable Sets	Germany	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:15-13:25	17
Carys	Thomas	102520	Designing criteria for a net-positive space debris clean-up mission.	United Kingdom	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:25-13:35	17
Saverio Maria	Currà	103375	BILAR (Benchmarking and Inversion of Light Curve for Attitude Reconstruction with Expert Centre Support)	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:35-13:45	17

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Vincenzo	Quitadamo	96399	Advancing Space Sustainability: The University of Padova's Contributions to Safer Orbits and Innovative Technologies	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:45-12:55	18
Takahiro	Sasaki	98997	Practical Guidance Laws for Non-Cooperative Rendezvous: Overcoming Atmospheric Density Prediction Challenges	Japan	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:55-13:05	18
Olivia	Lorenzen	95959	Breaking the Space Debris Deadlock: A Game-Theoretic and Policy Approach	Denmark	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:05-13:15	18
Daniel Raphael	Wacker	97799	Large-scale determination and analysis of area-to-mass ratios from orbital fragments	Germany	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:15-13:25	18
Fatima	Alakbarti	98630	A Novel Framework for Satellite Debris Mitigation: Integrating Blockchain Federated Learning with Hierarchical Deep Reinforcement Learning	Azerbaijan	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:25-13:35	18
Hajar	Naghiyeva	101024	AI for Space Debris Monitoring: A Critical Review of Predictive Models and Their Challenges	Azerbaijan	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:35-13:45	18
Atharva	Awasthi	103307	Using Deep Learning for Automated Satellite Maneuver Processing	United States	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:45-12:55	19
Rithesh	Murarishetty	102643	Smart Satellites AI-Driven Predictive Maintenance for Sustainable Space Operations	India	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:55-13:05	19
Oussema	Jouini	96933	Integration of Radar and Optical Systems on CubeSats for Enhanced Space Debris Detection in LEO	Japan	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:05-13:15	19
Lorenzo	Cimino	102681	BILAN: A Comprehensive Approach to Space Debris Characterization and Mitigation through a Light Curve Database	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:15-13:25	19
Paolo	Marzioli	101898	Internet-of-Things International University partnership actions for current and future Space Traffic Management and Space Sustainability research: the SMILE-IoT initiative	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:25-13:35	19
Marta	Guimaraes	98573	Explainable Machine Learning for Space Object Attitude Classification	Portugal	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:35-13:45	19
Alev	Sönmez	99617	Space Situational Awareness and Space Debris Mitigation: Current Strategies and Future Advancements	Germany	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:45-12:55	20
Marianne	Hawthorne	99177	The Global Distribution of Uncontrolled Re-entries: Re-thinking Mission-end Conduct and the Call for Global Collaboration	Australia	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:55-13:05	20
Maria Nepheli	Kardassi	100286	Performance Analysis of In-orbit Space Debris Tracking Using Low-Cost Passive Bistatic Radar	United Kingdom	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:05-13:15	20
Stephen	Catsamas	99460	Characterizing satellite operational modes via unresolved infrared imaging	Australia	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:15-13:25	20

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Nicola	Cimmino	100144	Machine Learning Approaches for Sub-Catalogue Space Debris Clusters Identification in High-altitude Orbital Regions	Switzerland	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:25-13:35	20
Alev	Sönmez	99714	Assessing the Financial and Market Barriers to Space Debris Monitoring: A Policy and Economic Analysis of the European SSA Landscape	Germany	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	13:35-13:45	20
Bryan	Lovrinovic	100278	The Selection Process of Reference Missions for a Design for Demise Project	Germany	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:45-12:55	21
Pasquale	Bencivenga	102995	Neural Network analysis of multi-channel Light Curves for the characterization of Resident Space Objects	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	30/09/2025	12:55-13:05	21
Stephen	Petrie	100273	High-accuracy carbon flux mapping for agricultural land, with high spatio-temporal resolution	Australia	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	13:05-13:15	21
Charlynnne	Jepkosgei	94971	Evaluating the factors influencing farmers' choices of maize-based cropping patterns and assessing the potential of DESIS Hyperspectral satellite data to discriminate the	Kenya	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	13:15-13:25	21
María Celeste	Alvarado Durán	100791	Analysis of Land Use Evolution in Pérez Zeledón Using Sentinel-1 Imagery: Implications for Conservation and Sustainable Development in Costa Rica	Russian Federation	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	13:25-13:35	21
Giovanni Maria	Capuano	96978	Enhancing Satellite Imagery through Advanced FoCal Plane In-flight Active Motion Control: The FOPAC System Implementation and Results	Italy	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	13:35-13:45	21
Nathan	Wallace	99096	Distributed Autonomous Mission Planning for Resource-Constrained Satellites: Implementation on the Buccaneer Main Mission CubeSat	Australia	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	12:45-12:55	22
Ali	Hasanli	98328	enhancing earth observation systems: the role of advanced imaging technologies in addressing climate change	Azerbaijan	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	12:55-13:05	22
Muhammad Rizvi	Mughal	102188	Spaceborne Artificial Intelligence for Real-Time Land Use and Land Change (LULC) Classification	Oman	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	13:05-13:15	22
Ilaria	Cannizzaro	99781	Enhancing PRISMIA second generation mission with AI-driven onboard edge computing for real-time cloud detection	Italy	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	13:15-13:25	22
Micherene Claudio	Lofamia	99081	Hyperspectral Imaging Payload for Agriculture and Water Quality Assessments: Mission and Requirements	The Philippines	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	13:25-13:35	22
Matthew	Purss	99001	Earth Observation Data Processing Revolution: TerraNexus DGGs Platform for Digital Twins and Federated Systems	Australia	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	13:35-13:45	22
José Pedro	Ferreira	98670	Small Satellite SAR for Remote Sensing from Very Low Earth Orbit	United States	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	12:45-12:55	23
Kumbirai	Matingo	94706	Leveraging Remote Sensing for Disease Vector Mapping to Enhance Malaria Control Strategies in Zimbabwe	Zimbabwe	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	12:55-13:05	23

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Ming	Xu	97786	Analytical Derivation of Maximum Allowable Drift for Satellite Constellations Based on Geometric Equivalence	China	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	13:05-13:15	23
Sam	Hall	100185	Semantic Communication for Earth Observation Satellites – overcoming the space-to-ground communication bottleneck	Australia	B1	IAF EARTH OBSERVATION SYMPOSIUM	30/09/2025	13:15-13:25	23
Muhammad	Najeeb Ahmad	96020	advancing accuracy, resilience, and scalability with next-generation space-based pnt sensors and systems	Pakistan	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:25-13:35	23
YI	Xiao Su	95616	the applications and development trend of interferometric fiber optic gyroscope in space	China	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:35-13:45	23
Frank Raul	Quintana Quispe	103012	Optimization of Information Processing in Satellite Communications: Comparative Analysis of Medium Access Protocols	Peru	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	12:45-12:55	24
Lucas	Scherberger	103178	Simulating Delivery Times of Quantum Key Distributions in Satellite Constellations	Germany	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	12:55-13:05	24
Jaspar	Meister	96213	simulation of satellite constellations for long-distance entanglement distribution	Germany	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:05-13:15	24
Yoonjung	Kim	97640	Development of a UHF Ground Station for Telemetry and Command Operations with a Self-Developed CubeSat	Korea, Republic of	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:15-13:25	24
Zekun	Xu	95915	Encoded Event-triggered Control with Adaptive Prescribed Performance for Spacecraft Systems	China	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:25-13:35	24
Surya Vaibhav	DVR	102597	configuration and placement study of a 3U student satellite, for optimizing mass and packing efficiency	India	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:35-13:45	24
PRIYANKA	DAS	103599	Programmable Radio Frequency Synthesizer for AOTF of SHAPE payload of Chandrayaan-3	India	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	12:45-12:55	25
Monique	Cockram	97420	Daytime tip-tilt measurements using an event-based sensor.	Australia	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	12:55-13:05	25
Surya Vaibhav	DVR	95459	preliminary design and analysis of a 3U student satellite's attitude determination and control subsystem	India	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:05-13:15	25
Anna	Roma	100020	the kalman filter as a modular tool: a versatile solution for autonomous systems and beyond	Italy	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:15-13:25	25
Pengyu	Guo	96789	Robust Relative Pose Estimation for Non-Cooperative Long-Distance Spacecraft Based on SAM2 Model	China	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:25-13:35	25
Philipp	Kleinpaß	100732	Satellite-based entanglement distribution for global quantum networks	Germany	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:35-13:45	25



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Juan Rodolfo	Alvarez Huarhua	99176	Analysis for the Optimization of Signal Transmission and Processing on the International Space Station	Peru	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	12:45-12:55	26
Jongseo	Won	97481	geolocation analysis of leo in-track formation flying satellites using dynamics-applied least square method	Korea, Republic of	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	12:55-13:05	26
Ming	Xu	100219	optimal staged deployment strategy for leo mega-constellations with accelerated service capability formation	China	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:05-13:15	26
Zihong	Zhou	96795	an stk-based systematic orbit simulation for spaceborne gnss receiver design	Hong Kong SAR, China	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	30/09/2025	13:15-13:25	26
Elton	Guliyev	94925	Artificial Intelligence in Space: Integration for Crew and Onboard Support	Azerbaijan	B3	IAF HUMAN SPACEFLIGHT SYMPOSIUM	30/09/2025	13:25-13:35	26
Xinyu	Fu	96172	Target-tracking-based Multi-UAV Visual SLAM in GNSS-denied Environments	China	B3	IAF HUMAN SPACEFLIGHT SYMPOSIUM	30/09/2025	12:55-13:05	27
Nicolas	Bérend	97017	The FAI Astronautic Records Commission (ICARE) – Accompanying a new era of spaceflight achievements	Switzerland	B3	IAF HUMAN SPACEFLIGHT SYMPOSIUM	30/09/2025	13:05-13:15	27
Sona	Rustam	102841	Smart Bed System for Astronauts in Space: Healthcare, Stability, and Resource Recycling	Azerbaijan	B3	IAF HUMAN SPACEFLIGHT SYMPOSIUM	30/09/2025	13:25-13:35	27
Nigar	Rustam	103094	Amateur space exploration : Space Knowledge Yelder (SKY)	Azerbaijan	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	30/09/2025	13:35-13:45	27
Ryusei	Komatsu	100849	Real-time Atmospheric Drag Estimation for Distributed Space Systems via Inter-Satellite Communication	Japan	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	30/09/2025	12:45-12:55	28
Muhammad Rizvi	Mughal	102467	Power Optimization and Thermal Analysis of Printed Coils, Compact Coils, and Magnetic Rods for CubeSat Attitude Control	Oman	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	30/09/2025	12:55-13:05	28
Rehobot	Bekele Buruso	95462	Assessment of the Realization of Value and Benefits of Implementing Agile MBSE for Enterprises in the NewSpace Industry	France	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	30/09/2025	13:15-13:25	28
Vishwas	Jajpura	99237	Aerodynamic Optimization and Hybrid Neuro-Fuzzy Logic Controller for Orbital Station-Keeping of CubeSats in VLEO	India	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	30/09/2025	13:25-13:35	28
Juan Salvador	Palacios Bett	99397	Proposed CubeSat system for autonomous structural health monitoring: integration of edge computing and machine learning for anomaly detection and orbital safety	Peru	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	30/09/2025	13:35-13:45	28
Yuma	Sato	102125	In-situ Power System Modeling for Micro/Nano Satellite Autonomous Operation System	Japan	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	30/09/2025	12:45-12:55	29
Saish	Sridharan	102232	Plug-and-Fly SPIN-2 Mission	Germany	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	30/09/2025	12:55-13:05	29



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WANJIKU	KANJUMBA	95288	Optimizing Satellite Constellations for Maritime Security in African Region, Further Space Applications Across Africa, and Mitigating Space Debris in the Sector	United States	B4	32nd IAA Symposium on Small Satellite Missions	30/09/2025	13:05-13:15	29
MOHAMED	ALASEERI	100526	Evaluating the Impact of Solar Storms on Satellite Power Systems Using Space Weather Data	Bahrain	B6	IAF Space Operations Symposium	30/09/2025	13:15-13:25	29
Wenze	Ma	103629	Satellite Manoeuvre Detection and Analyses based on Ephemerides	Australia	B6	IAF Space Operations Symposium	30/09/2025	13:25-13:35	29
Francesco	Porcelli	100114	Autonomous Space Operation Planner and Scheduler (ASOPS): Architecture and Onboard Implementation in the SeRANIS Mission	Germany	B6	IAF Space Operations Symposium	30/09/2025	13:35-13:45	29
Xinhao	Miao	100550	Reinforcement Learning and Reaction Rule-Space Based Obstacle Avoidance Planning Method for Free-Floating Space Manipulators	China	B6	IAF Space Operations Symposium	30/09/2025	12:45-12:55	30
Zhi	Xu	97571	An Advanced Instance Segmentation for Non-Cooperative Spacecraft Components in On-Orbit Servicing: Dataset Synthesis and Hybrid Transformer-CNN Network	China	B6	IAF Space Operations Symposium	30/09/2025	12:55-13:05	30
Pengyu	Guo	96785	Linguistic Description Generation for Non-Cooperative Spacecraft Time-Series Behaviors Using Transformer Models	China	B6	IAF Space Operations Symposium	30/09/2025	13:05-13:15	30
Jacqueline	Reichhold	103511	Cologne Manual on Space Traffic Management: A First Step toward Global STM?	Germany	B6	IAF Space Operations Symposium	30/09/2025	13:15-13:25	30
Sho	Fujita	97470	Responsive RPO for Commercial Application	Japan	B6	IAF Space Operations Symposium	30/09/2025	13:25-13:35	30
Nathan	Wallace	99715	An Integrated Framework for Mission Design and Guidance for Autonomous In-Orbit Servicing Missions	Australia	C1	IAF Astrodynamics Symposium	30/09/2025	13:35-13:45	30
Gianni	Pecora	100316	Low-Thrust Trajectory Design with Power Constraints and Attitude Dynamics Integration	Spain	C1	IAF Astrodynamics Symposium	30/09/2025	12:45-12:55	31
Hanzhou	Wang	94366	Dynamic Modeling and Dual-Cabin Coordinated Attitude Adjustment of High-Precision Disturbance-Free Payload Spacecraft	China	C1	IAF Astrodynamics Symposium	30/09/2025	12:55-13:05	31
Maruthi	Akella	100425	Minimum Fuel Indirect Optimal Control Transfers Across Multiple Regimes in the Earth-Moon System	United States	C1	IAF Astrodynamics Symposium	30/09/2025	13:05-13:15	31
Biyue	Pan	100779	Diffusion-Enhanced Model Predictive Control for Autonomous Spacecraft Rendezvous and Docking with Obstacle Avoidance	China	C1	IAF Astrodynamics Symposium	30/09/2025	13:15-13:25	31
Masato	Shibukawa	100872	Stochastic Differential Dynamic Programming with Polynomial Chaos Expansion for Robust Trajectory	Japan	C1	IAF Astrodynamics Symposium	30/09/2025	13:25-13:35	31
Charlotte	Bennett	102537	6-DOF Fuel-Optimal NRHO Rendezvous Trajectories with Time-Varying Illumination Constraints	United States	C1	IAF Astrodynamics Symposium	30/09/2025	13:35-13:45	31

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Yusuke	Oki	102476	Design of Safe Transfer Trajectory between Quasi-Satellite Orbits	Japan	C1	IAF ASTRODYNAMICS SYMPOSIUM	30/09/2025	12:45-12:55	32
Monica	Salunkhe	103704	Low-Thrust Trajectory Design and Planetary Capture in Modern Astrodynamics	United States	C1	IAF ASTRODYNAMICS SYMPOSIUM	30/09/2025	12:55-13:05	32
Mathilda	Bolis	101623	Mission design techniques for satellites operating in Low-Lunar Orbits	Italy	C1	IAF ASTRODYNAMICS SYMPOSIUM	30/09/2025	13:05-13:15	32
Rosaura Patricia	Delgado Ortiz	99018	The self-gravitating ring in the N-body problem	Mexico	C1	IAF ASTRODYNAMICS SYMPOSIUM	30/09/2025	13:15-13:25	32
Jikai	Wang	100428	A Fast Evaluation Method for Spacecraft Low-Thrust Collision Avoidance Maneuvers Based on Differential Algebra	China	C1	IAF ASTRODYNAMICS SYMPOSIUM	30/09/2025	13:25-13:35	32
YanJun	YU	96145	onboard low-thrust spacecraft collision avoidance strategy design and optimization	China	C1	IAF ASTRODYNAMICS SYMPOSIUM	30/09/2025	13:35-13:45	32
Ki-Wook	Jung	96146	Feedback Landing Guidance for Reusable Launch Vehicle in Atmosphere based on Homing Guidance	Korea, Republic of	C1	IAF ASTRODYNAMICS SYMPOSIUM	30/09/2025	12:45-12:55	33
Ming	Xu	97511	Orbit Maintenance Strategy Integrated with Power Management for Ultra-low Earth Orbit Satellites	China	C1	IAF ASTRODYNAMICS SYMPOSIUM	30/09/2025	12:55-13:05	33
Luis Angel	Hernandez Laya	103869	A Prototype of a Robotic Swarm for Autonomous Orbital Infrastructure Inspection	Venezuela	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	13:05-13:15	33
Shravani	Tembare	99998	Advancing Additive Manufacturing for In-Situ Resource Utilization in Human Space Exploration: Challenges and Opportunities	India	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	13:15-13:25	33
Jaeseung	Heo	96185	Design and Cooling Performance Evaluation of 3D Printed Structures for Transpiration Cooling in External Flow	Korea, Republic of	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	12:45-12:55	34
Lei	Qu	99881	A shape memory alloy rotary-actuated reusable separation mechanism with high load-bearing capacity and low shock	China	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	12:55-13:05	34
Xiaoyuan	Wang	100041	A High-Synchronization and Low-Shock Multi-point Locking Satellite - Rocket Separation Device with Mechanical Linkage	China	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	13:05-13:15	34
Quentin	Michalski	94442	Design of the wheels for the Australia's first lunar rover	Australia	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	13:15-13:25	34
Delburg	Mitchao	95871	Deployable Thermally Conductive Structure for a Large Active Phased Array Antenna in CubeSats	Japan	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	13:35-13:45	34
Enrico	Zappino	102352	Failure indexes in ultra-thin deployable structures using 1D structural theories and 3D Hashin criteria	Italy	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	12:55-13:05	35

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Marc	Heemskerk	103167	Results from Estonian Satellite's Solar Cell Degradation in LEO and Implications for ISRU Lunar Solar Cell Technologies	Estonia	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	13:15-13:25	35
Léonie	Gasteiner	95195	Polymerization and Foam Expansion in Microgravity for In-Orbit Servicing Applications	Switzerland	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	13:35-13:45	35
ZIJIE	CHEN	96544	Design and Dynamic Analysis of a Mechanically Deployable Aeroshell for Mars Entry	Italy	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	12:45-12:55	36
mingli	liu	99599	nonlinear mechanics of a deployable origami flexible arm for space capture	China	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	12:55-13:05	36
Yajie	Cheng	101499	Self-assembly modular robot for in-space structure construction	China	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	30/09/2025	13:15-13:25	36
Onur	Çelik	103136	Orbit options for solar reflectors for future space-based energy services around the Moon	The Netherlands	C3	IAF SPACE POWER SYMPOSIUM	30/09/2025	13:25-13:35	36
Anar	Hamdullayev	96577	Solutions to issues in Wireless Power Transmission	Azerbaijan	C3	IAF SPACE POWER SYMPOSIUM	30/09/2025	13:35-13:45	36
Joshua	Naudet	95126	Multiphase Mapping and Heat Efficiency of Hydrogen Bubbles in Liquid Uranium for a Centrifugal Nuclear Thermal Rocket Engine	United States	C3	IAF SPACE POWER SYMPOSIUM	30/09/2025	12:45-12:55	37
Zaman	Kazimov	96820	ai driven laser wireless power transmission revolutionizing energy sharing for space exploration	Azerbaijan	C3	IAF SPACE POWER SYMPOSIUM	30/09/2025	12:55-13:05	37
Azar	Valiyev	98519	enhancing solar panel efficiency on mars: ai-driven dust accumulation monitoring	Azerbaijan	C3	IAF SPACE POWER SYMPOSIUM	30/09/2025	13:05-13:15	37
Sahib	İskandarlı	97124	Effective use of technology that works with Seebeck effect on the Moon and in space	Azerbaijan	C3	IAF SPACE POWER SYMPOSIUM	30/09/2025	13:15-13:25	37
Benjamin	Koschnick	97651	Terrestrial Technology Transfer to Space, Solar Panel Development at ExtraTerrestrial Power and a Review of our Space Flight Heritage in 2025	Australia	C3	IAF SPACE POWER SYMPOSIUM	30/09/2025	13:25-13:35	37
Charleston Dale	Ambatali	100577	Fast-Converging and Efficient Dynamic Focusing Method for Space-Based Solar Power Using the Resonant Beam Architecture	The Philippines	C3	IAF SPACE POWER SYMPOSIUM	30/09/2025	13:35-13:45	37
Zahra	Garibova	97164	innovative piezoelectric energy generation for space missions	Azerbaijan	C3	IAF SPACE POWER SYMPOSIUM	30/09/2025	12:55-13:05	38
Joel	Eldo	99609	Auxiliary Power Generation via Electrodynamic Tethers for Space Missions: A Case Study at Jupiter	Germany	C3	IAF SPACE POWER SYMPOSIUM	30/09/2025	13:15-13:25	38
Małgorzata	Majda	100568	Enhancement of the main sub-systems in Student Researched and Developed (SRAD) Hybrid Rocket Engine (HRE)	Poland	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:25-13:35	38

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Thitut	Uthalye	101978	A web-based semi-empirical numerical tool for accessible liquid swirl injector design	United Kingdom	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:35-13:45	38
Julia	Grill	98196	Integrating Mission and System Analyses in the BANTER Project for Nuclear Bimodal Propulsion	Germany	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	12:45-12:55	39
Taiichi	Motomura	94657	Development of turbopumps for LE-9, first stage engine of H3 Launch Vehicle	Japan	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	12:55-13:05	39
VANESSA	MONTIEL VIRUEL	99884	Prospective Analysis of Biodiet Production from waste Cooking Oil for Aviation and Space Applications in Northern Mexico	Mexico	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:05-13:15	39
Akshat	Sharma	94458	Design, Analysis, and Experimental Evaluation of a Cold Gas Thruster System for Martian Drone Propulsion	India	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:15-13:25	39
Hanmo	Shen	96416	integrated torch ignition unit of reusable methane/lox rocket engine	China	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:25-13:35	39
Tolou	Pharokhipanah	101208	Cryogenic Feed System Flow Optimization Through Pre-Chill: Analysis of Liquid Nitrogen and Liquid Oxygen Testing	United States	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:35-13:45	39
Satwik	Mohanty	100733	Dry Mechanical Mixing as an Additive Dispersion Technique for Coating Catalysts over Ammonium Perchlorate: A Novel Time-	Italy	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	12:45-12:55	40
Jeongmoo	Huh	100400	Small-Scale Resistojet Thruster Performance Utilising a Heat Exchanger and Green Propellants	United Arab Emir	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	12:55-13:05	40
Jeongmoo	Huh	100130	Analysis of Hydrogen Peroxide Thermal Decomposition in Small-Scale Monopropellant Thrusters	United Arab Emir	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:05-13:15	40
Jeongmoo	Huh	101411	Preliminary Experimental Investigation of a Small-Scale Rotating Detonation Engine with Non-Premixed Propellant	United Arab Emir	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:15-13:25	40
Taisei	Takaoka	96343	Composition Investigation and Basic Combustion Research of Sustainable Rocket Propellant (SRP) Derived from Plants	Japan	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:25-13:35	40
Giuseppe	Di Pasquale	100369	Efficient Mission Analysis for Small Satellites: Maneuver Planning, Constellation Deployment, and Propulsion Optimization	Spain	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:35-13:45	40
Keita	Nishii	101352	Rarefied Gas Simulation in Vacuum Chambers for Gas-Jet Propulsion: Toward Realizing a Numerical Vacuum Chamber	Japan	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	12:45-12:55	41
Anastasia	Mekh	97019	Integrat and probe characteristics of a laboratory model of an accelerator with closed electron drift on a mixture of reactive gases	Russian Federati	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	12:55-13:05	41
Süleyman	Kural	100675	Pressurization Analysis of Cryogenic Propellant Tanks: Investigating Collapse Factor and L/D Ratio Influence	Türkiye	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:05-13:15	41

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Sudarsana	Nerella	103032	Resonant Orbital Dynamics and Electrostatic Charge Management for Efficient Propulsion and Sustainable Spacecraft Operations	United States	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:15-13:25	41
Kei	Fukuzawa	97607	Validation of Computationally Efficient CFD Models for Flow Field Analysis in Hypersonic Engines	Japan	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:25-13:35	41
Shraddha	Lamichhane	94963	Performance Optimization and Environmental Impact Assessment of Paraffin-Based Hybrid Rocket Fuels with Advanced Additives	Nepal	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	13:35-13:45	41
Bhavyashree	Janardhana	95240	First In - Flight Ignition of Linear Aerospike Engine: Concept to Flight Testing	Germany	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	12:45-12:55	42
Pedro	Campos Domínguez	101747	Sail navigation as an alternative to conventional rockets in space exploration	Mexico	C4	IAF SPACE PROPULSION SYMPOSIUM	30/09/2025	12:55-13:05	42
Tamia	Neal	96681	Enhancing Systems Integration through Modular Design: A Framework for Efficient Testing and Assessment in Complex Systems	United States	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	13:05-13:15	42
Pedro	Casau	102304	VLEO Satellite Constellations for Global Communications: The Role of Air-Breathing Electric Propulsion	Portugal	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	13:15-13:25	42
Manfred	Ehresmann	102407	Enhancing Space Mechanisms with Ferrofluid-Based Magnetic Gears	Germany	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	13:25-13:35	42
Livia	Ordonez Valles	99673	COOPERANTS: Advancing early stage project phases by implementing collaborative processes and tools in concurrent engineering studies	Germany	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	13:35-13:45	42
John	Boh	98560	Bayesian Game-Theoretic Approaches for Cislunar Space Domain Awareness	United States	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	12:45-12:55	43
Florian	Grünwald	96999	Ambient Intelligence in Extreme Environments (AIMEE): Research on intelligent habitats and the stimulation of social interaction for crew functioning in space habitats	Germany	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	12:55-13:05	43
Mateusz	Krajewski	98752	Autosar as Universal Rocket Platform	Poland	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	13:05-13:15	43
Khaled	Alnaqbi	98649	the emirates mission to the asteroid belt: a modular and scalable simulation framework for spacecraft testing	United Arab Emirates	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	13:15-13:25	43
Emira Nur	Aslan	99897	Advancing Low-Facet Satellite Technology: Infrared Imaging for Atomic Oxygen Particle Control in Crowded Low Earth Orbit	Türkiye	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	13:25-13:35	43
Lianxiang	Jiang	95112	Digital Twin Technology for Small Satellite Development and Operations: A Case Study of HEAD-2D	China	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	13:35-13:45	43
Ji-Seok	Kim	99203	A Study on Thermal Vacuum Test Method for Multi-Satellite	Korea, Republic of	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	12:45-12:55	44

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Jiaxiang	Li	100921	A Systematic Review and Meta-analysis of Optimizing Swarm Robotics Control Strategy for Space Operations	Canada	D1	IAF SPACE SYSTEMS SYMPOSIUM	30/09/2025	12:55-13:05	44
Jeremy	Partington	101760	Tether Based Propulsion - Low Hanging Fruit	Australia	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	30/09/2025	13:35-13:45	44
Marcelo	Boldt	101426	Building Reusable Hypersonic Spaceplanes: Technical Foundations and Development Roadmap	Germany	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	30/09/2025	13:05-13:15	45
Jacinta	Richards	99461	enhancing thermal energy dissipation of CFRP for small satellite applications	Australia	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	30/09/2025	13:35-13:45	45
Victor Raul	Huaman Simeon	103697	Forecasting Water Supply Shortages in Space Missions Using Scenario-Based Simulation within ERP Systems	Peru	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	30/09/2025	12:45-12:55	46
Joe	Papworth	93997	Mission concepts for PSRs in the south lunar pole	United Kingdom	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	30/09/2025	13:15-13:25	46
Vishwajith	Lal	98476	A Flexible Thermoelectric Cooling System for Astronaut Suits: A Lightweight Alternative to Liquid Cooling Garments.	United Arab Emir	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	30/09/2025	13:25-13:35	46
Mollie	Johnson	101012	Preparing for Humans to Mars with the Mars Advanced Precursor Systems Program	United States	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	30/09/2025	13:35-13:45	46
Robert	Rochel	95355	Quantitative Investigation of Lunar Surface Habitat Structure Technologies	United States	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	30/09/2025	12:45-12:55	47
Ilkin	Abdullayev	98334	implementing retrieval augmented generation for knowledge management in long-duration space missions	Azerbaijan	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	30/09/2025	12:55-13:05	47
Hassan	Nooreldeen	94753	Automated Detection and Classification of Solar Radio Bursts Using e-CALLISTO Spectrum Data and YOLO v11 deep learning model	Egypt	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	30/09/2025	13:05-13:15	47
Harsha	M	99727	Enhancing Space Situation Awareness Tool's Human Machine Interface Functionality using the Large Language Model-powered Query System	India	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	30/09/2025	13:15-13:25	47
Amina	Valiyeva	94745	enhancing space mission reliability through advanced knowledge management and cybersecurity frameworks	Azerbaijan	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	30/09/2025	13:25-13:35	47
Josef	Richmond	98947	A Solar Vacuum Ultraviolet Source for Space Environment Simulations	Australia	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	30/09/2025	13:35-13:45	47
Irene	Catalán Fernández	98166	Product Assurance activities for PLATO Focal Plane Assembly	Spain	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	30/09/2025	12:45-12:55	48
Amaia	Santiago Pé	99607	ESD control plan and its implementation for the detector plane assembly in the frame of the Soft X-ray Imager instrument in the SMILE mission	Spain	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	30/09/2025	12:55-13:05	48

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Maria del Rosari	Canchal	99608	Cleanliness and Contamination Control plan and its implementation for the Detector Plane Assembly in the frame of the Soft X-ray Imager Instrument in the SMILE	Spain	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	30/09/2025	13:05-13:15	48
Wendy Lucia	Sanchez Delgado	103223	Establishment of an Ethical Framework for Brain Studies Under Spatial Conditions	United Kingdom	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	30/09/2025	13:15-13:25	48
Joel	Lisk	95618	Relaunching an Integrated Undergraduate Business, Law and Politics Space Topic	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	12:45-12:55	49
Michael	Johnson	97150	Affordable Robotics for Space-themed STEM outreach in Irish Primary Schools	Ireland	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	12:55-13:05	49
Luis	Cormier	98491	From Class to Orbit: The NottSpace Approach to Undergraduate Space Education	United Kingdom	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	13:05-13:15	49
Robert	Hollow	98813	Space Careers Wayfinder - A National Online Space Careers Program for High Schools	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	13:15-13:25	49
Angela Maritza	Naveda Cosquillo	96722	Chasqui II in action: promoting space education in Peru through STEAM	Peru	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	13:25-13:35	49
Arda Kağan	Menteş	102890	global youth space challenge: uniting young minds for a singular space objective	Türkiye	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	13:35-13:45	49
Zofia	Antkowiak	98826	From Passion to Proficiency: How Our Team Transforms Undergrad Enthusiasts into Aerospace Engineers	Poland	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	12:45-12:55	50
JOHAN	FLORES TORRES	103861	Design of a Modular Educational CubeSat as a Tool for Aerospace Engineering Education in Peru	Peru	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	12:55-13:05	50
Sarah	Baker	102113	Hamilton Secondary College Space School - A Space Education Leader	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	13:05-13:15	50
Marie	Lambert	95245	From the Classroom to the Stratosphere: Inspiring High School Students Through the EXPLORA Balloon Program in the Arctic	Sweden	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	13:15-13:25	50
Miriam	Opazo Mendez	100756	Empowering the Future of Space: The vital Role of Young Professionals in Innovation, Peacebuilding, and Sustainability	France	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	13:25-13:35	50
Shimrit	Maman	101421	Space Gurion empowering the next generation: A student-led approach to space workforce development	Israel	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	13:35-13:45	50
Chia Tian-Brearr	Chen	102740	the role of space organisations in expanding multi-disciplinary engagement	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	12:45-12:55	51
Darcey	Watson	100330	Bringing space to your community: contextualising space technologies for the benefit of local communities	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	12:55-13:05	51



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Beatriz	Coningham	94647	Launching the Space Workforce: A Framework for the Urgent Need of the US Commercial Space Sector	United States	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	13:05-13:15	51
Francis	Kudjoe	96987	Incidence of low patronage of space science education in Ghana	Ghana	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	13:15-13:25	51
Anna	Voelker	97383	SciAccess: Best Practices for Accessibility in Space Education and Outreach	United States	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	30/09/2025	12:45-12:55	52
Frank Raul	Quintana Quispe	102050	Projection of Space Industry Growth in Developing Countries: A System Dynamics Model Applied to the Case of Peru	Peru	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	30/09/2025	12:55-13:05	52
Akshat	Johri	103642	Leveraging Public-Private Partnerships to Accelerate Space Sector Growth in Emerging Economies	India	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	30/09/2025	13:35-13:45	52
Abhishek	Dubey	103776	State-Specific Incentives for Commercial Space Activities in India and Learnings from Global Precedent	India	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	30/09/2025	13:05-13:15	52
Katarzyna	Malinowska	102908	Global National Space Sector Governance Models – Strategic and Legal Approach to the Role of Space Agencies	Poland	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	30/09/2025	13:15-13:25	52
Giuliana	Rotola	102293	Advancing dark and quiet skies protection: updates from the IAU CPS Policy Hub	Italy	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	30/09/2025	13:25-13:35	52
GiWon	Nam	94407	Enhancing South Korea's Space Asset Insurance Framework: Current Challenges and Future Directions	Korea, Republic of	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	30/09/2025	12:45-12:55	53
Pepito	Thelley	96042	International space policy: a review of earth-based initiatives and current governance trends to develop a methodological framework for impartial opportunities in	United States	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	30/09/2025	12:55-13:05	53
Eamon	Lawson	103568	Shortcomings, Obligations and Opportunities. The Role of Indigenous Stakeholder Consultation in Constructing Sustainable Launch and Return Ecosystems	Australia	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	30/09/2025	13:05-13:15	53
Denis	Sindy	99858	the potential of space technology as a catalyst for enhancing tourism and cultural preservation in asia pacific region	Indonesia	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	30/09/2025	13:25-13:35	53
Gabriela	Quirós	101556	Choice architecture as a success determinant of an analog astronaut training center in Costa Rica	Costa Rica	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	30/09/2025	13:35-13:45	53
Pratik	Ambani	99275	Economic Assessments for Australian Space-Related Research and Development Activities	Australia	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	30/09/2025	12:45-12:55	54
Alana	Liebelt	97877	Launching the Future: How Young Professionals Are Shaping Australia's Space Industry	Australia	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	30/09/2025	13:15-13:25	54
Alexandru	Stanciu	101855	Adaptive reinforcement learning for dynamic energy management in self-reliant deep space habitats: extending the CityLearn framework	Romania	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	30/09/2025	12:55-13:05	54



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Zhelun	Zhu	95617	The role of inflatable structures in extraterrestrial habitation	China	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	30/09/2025	13:05-13:15	54
Ari	Eisenstat	98950	Innovative Approaches to Space Habitat Design: Insights from University of Hawai'i Space Programs	United States	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	30/09/2025	13:25-13:35	54
Somaya	Bennani	98747	Student-Led Analog Missions as Testbeds for Future Space Habitats: A Comparative Analysis of Asclepios II and MDRS Crew 311	France	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	30/09/2025	13:35-13:45	54
Shuqi	Li	96334	WOVEN HABITAT—Sustainable Lunar Lava Tube Construction Plan	China	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	30/09/2025	12:45-12:55	55
Camilla	ACQUARONE	100796	Space Solar Power: A Sustainable Solution or an Environmental Dilemma?	France	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	30/09/2025	12:55-13:05	55
Maheen	Parbhoo	102121	Piloting space tech incubation programmes in East Africa	South Africa	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	13:25-13:35	55
Esha	Anura	94859	Accelerating into Space: Strategies for Governments to Leverage Existing Private Assets and Achieve Technological Leaps	Australia	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	13:15-13:25	55
Michael	Castle-Miller	100663	From the East India Company to the Space Barons: The Return of the Company-State?	United States	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	13:35-13:45	55
Geraldine	Baca Triveno	103555	Unlocking Opportunities in the AquaWatch-AUK Program	Australia	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	12:45-12:55	56
Logan	Philbrick	102023	investing in chile's space future: a business innovation opportunity	United States	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	12:55-13:05	56
Logan	Philbrick	103606	strategic approaches to investment readiness in the space industry: navigating market challenges and funding obstacles	United States	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	13:05-13:15	56
Péter	Kristóf	98767	The (New Space) Economics behind Cubesats – Return on Investment Considerations of Government-Funded Space R&D Projects, with a focus on a business case from Hungary	Hungary	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	13:15-13:25	56
Chang Ho	LIM	99962	The structure and characteristics of the Korean space industry from the perspective of the industrial network	Korea, Republic of	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	13:25-13:35	56
king	kumire	95839	Limping contracts in Africa's space sector: Addressing risk transfer, information asymmetry, and innovation barriers in investor-start-up agreements	United Kingdom	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	13:35-13:45	56
WANJIKU	KANJUMBA	95296	next frontier of economic systems for the new space age: models for a multi-planetary society	United States	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	12:45-12:55	57
Valentina	Zancan	101624	Cost-Effectiveness and Competition: Implementing Parallel Development in Space Agencies Projects	Italy	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	12:55-13:05	57

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Lisa	Kucher	101251	The regulatory struggles of space startups in navigating export controls	France	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	13:05-13:15	57
Ivan	Lee	103726	Real Options Valuation for Space Startups: A Framework Aligning Financial Value with Systems Engineering Milestones	Hong Kong SAR, China	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	30/09/2025	13:15-13:25	57
Lucillien	Denoyelle	99795	Lex Privata for Space Resources: Harmonizing Appropriation and Property Rights in Outer Space	France	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	30/09/2025	13:25-13:35	57
Ana	Soliz de Stange	94225	A New International Order of Outer Space?	Germany	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	30/09/2025	13:35-13:45	57
Rebecca	Connolly	97474	Shifting Space Security Narratives and Jus ad Bellum in Outer Space	Australia	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	30/09/2025	12:45-12:55	58
Anna Marie	Brennan	94765	Social Justice, Sustainability and Outer Space: Safeguarding Access to the Night Sky for Indigenous Peoples	New Zealand	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	30/09/2025	13:35-13:45	58
Zamara	Rodriguez	102323	challenges of the application of the Law of the armed conflict to cyberwarfare in outer space	Australia	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	30/09/2025	12:55-13:05	58
Iva	Ramuš Cvetkovič	98204	(Re)claiming Damage: Can Fear and Anxiety Related to Space Technology Be Recovered under the 1972 Liability Convention?	Slovenia	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	30/09/2025	13:05-13:15	58
Giulia	Priotti	97875	Intellectual Property Protection for Remote Sensing (AI-generated) Data: Challenges, Solutions through Map-Based Analogies, and the overarching Outer Space Treaty's	Italy	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	30/09/2025	13:15-13:25	58
Connie	Ye	99523	Space-based solar power - baseload power of the future?	Singapore, Republic of	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	30/09/2025	13:25-13:35	58
Henry	Feng	101100	Charting a Path Towards a Multi-Hominin Existence: Implications of Space Exploration for Human Rights	Australia	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	30/09/2025	12:45-12:55	59
Hallam	Burnapp	100990	AI-Driven Cybersecurity for Satellite Systems: Simulating Attacks, Legal Accountability, and Strategic Stability in Space	United Kingdom	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	30/09/2025	12:55-13:05	59
Vinicius	Guedes Gonçalves	95774	The State of the Latin American Space Sector: Gaps and Opportunities Between the Eagle and the Dragon	Australia	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	30/09/2025	13:05-13:15	59
Allison	Nicholls	103313	Operationalizing Trust – The Foundation of Agile, Multinational Space Ecosystems	United States	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	30/09/2025	13:35-13:45	59
Beverley Chelsea	Saungweme	95194	Lessons from the African Union's Space Policy: Bridging the Gap Between Aspiration and Implementation	Russian Federation	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	30/09/2025	12:55-13:05	60
Arpit	Raswant	99279	International Business Policy for Sustainable Space	Australia	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	30/09/2025	13:05-13:15	60

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Muhammad Rizv	Mughal	102205	The Role of MTCIT-SQU Space Engineering Lab Initiative in Capacity Building for Space Innovation	Oman	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	30/09/2025	13:15-13:25	60
Arpit	Raswant	99632	International Security Perspective on Space Commercialization Ecosystem	Australia	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	30/09/2025	13:25-13:35	60
José Vagner	Vital	94104	ANALYSIS OF NEW STAKEHOLDERS IN THE BRAZILIAN SPACE PROGRAM IN NEW SPACE AND THE NEED FOR NEW GOVERNANCE	Brazil	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	30/09/2025	13:35-13:45	60
Rubiya	Shaikh	96813	Otoacoustic Emissions and visual evoked potentials- An early detector of Spaceflight associated Neuro- ocular syndrome.	India	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	12:55-13:05	1
Kamal	Pashayev	96505	Radiation, Microgravity, and Medicine: Protecting Human Life in Space	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	13:05-13:15	1
Gerardo	Rodríguez	96033	Food Lab: Tempcrunch	Mexico	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	12:45-12:55	1
Rita	Ajuh	95069	Systematic review of microgravity induced alterations in Iron absorption and gut motility: implications for astronauts health and space nutrition strategies	Nigeria	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	12:55-13:05	2
Ana Fernanda	Bermúdez Monroy	102948	Melanin-based radiation shielding: A bioengineered solution for space exploration	Mexico	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	13:05-13:15	2
Henry	Feng	101098	Biological Evolution and Space Exploration: Insights on Future Speciation and Adaptation to Extraterrestrial Environments	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	12:45-12:55	3
One	Mikulskyte	95432	The Stability of Radioprotective Compounds in Space: A 32-Month Experiment on the International Space Station	Lithuania	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	12:45-12:55	4
Jarim	Bonilla Santiago	101715	Space Tourism: Sustainable Apparel	Peru	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	12:55-13:05	4
Shabnam	Ibrahimova	103661	satellite-based ai mental health support in space: introducing friender	Azerbaijan	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	13:05-13:15	4
Thejani	Prabodha	103569	A Multimodal Analogue Framework for Investigating Eating Experience Under Simulated Spaceflight Conditions	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	13:15-13:25	4
Dilara	SATIL	103110	in future space missions, a food production system utilizing 3d printing technology for meat production in space environments could be developed	Türkiye	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	13:25-13:35	4
Sabiha Melek	Arı	102540	increasing phytoalexin synthesis to enhance agricultural sustainability in space	Türkiye	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	13:35-13:45	4
Alev	Sönmez	100973	Advancing Non-Invasive Health Monitoring: The Role of Radar Technology in astronaut health monitoring	Germany	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	12:45-12:55	5

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Arjun	Dabas	95155	Deep Learning for Detecting Spaceflight-Induced Brain Changes	India	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	13:25-13:35	5
Anastasiya	Liankova	102272	Influence of Anatomical Variations of Vertebral Arteries on Cerebral Hemodynamics in Microgravity: A Computational Analysis	Belarus	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	13:35-13:45	5
Evelyn	Pérez Gómez	98952	Predictive device for monitoring musculoskeletal health in microgravity: integration of dynamometry and electromyography for astronauts	Mexico	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	12:45-12:55	6
Nataly Andrea	Rojas Barnett	103214	In-situ conversion of urine into polyelectrolytic hydrogels for radiological protection and resource optimization in space environments	Peru	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	01/10/2025	13:05-13:15	6
Cadré	Francis	100962	Microgravity synthesis of laser-induced graphene	United States	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	01/10/2025	13:15-13:25	7
Ronak	Madkaikar	98914	Microgravity Manufacturing: Pioneering Innovations in Space	India	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	01/10/2025	13:15-13:25	8
Romildo Genaro	Silva Cuadros	100132	EXP 91 Aurora Mission: Assessment of Human Adaptation in a Mars Analog Environment	Peru	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:35-13:45	8
Yoshitoki	Tanaka	99975	Evaluating the value and feasibility of lunar isd plants including power supply facilities by Japanese plant engineering company.	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:45-12:55	9
Paolo	Guardabasso	98309	MoonDB: A Data-Driven Investigation of Past, Present, and Future Lunar Missions for Sustainable Exploration	France	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:55-13:05	9
Arda Kağan	Menteş	102630	conceptual design of a toroidal space station for large-scale human transportation to Mars	Türkiye	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:35-13:45	9
Martin	Krynitz	95818	creating a lunar partner ground station network	Norway	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:45-12:55	10
Tatsuya	Nukushina	94456	Development of Vibratory Compaction Methods for Regolith Blocks and Trial Lunar Road Construction	Japan	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	01/10/2025	12:55-13:05	10
SHAMBHAVI	A S	102500	Wings Over Venus: The Concept Behind V-FLARE	India	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:05-13:15	10
Fidan	Shiralizada	96532	Can Europa support life?	Azerbaijan	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:35-13:45	10
Louis	Burtz	98987	Design and Development of the Yaoki Rover and Results from the Lunar South Pole on IM-2	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:45-12:55	11
Louis	Burtz	98969	Mission Operations of the Yaoki Lunar Micro-Rover on Intuitive Machines Mission 2: Development, Surface Operations and Lessons Learned	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:55-13:05	11

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Yiğit	Serçeoğlu	101108	validation of lunar lander test vehicle simulation using test data and results	Türkiye	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:05-13:15	11
Ahmet Berk	Eser	102060	fault-tolerant attitude and attitude estimation for lunar lander test vehicle using sensor fusion and anomaly detection	Türkiye	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:15-13:25	11
Robayet	Hossain	101989	Lunar Small-Rover Design Reference Mission to a High Priority Scientific Site: Irregular Mare Patch	United States	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:35-13:45	11
Tze Chuen	NG	103489	Micro Planetary Sampling System for planetary low payload explorations	Hong Kong SAR, China	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:45-12:55	12
Sakshyam Prabhu	Adhikari	97913	Mars Ceria Redox Oxygen System For In-Situ Oxygen Generation	Nepal	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:55-13:05	12
Georgy	Shcheglov	100445	The concept of transforming lunar lander	Russian Federation	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:05-13:15	12
Pradyumna Nandan	Vyshnav	102345	From Mines to Moon: Leveraging a Decentralized Multi-Robot Autonomy Platform from Terrestrial Mineral Exploration for Lunar Resource Prospecting	India	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:35-13:45	12
Pauline	ROBLIN	103767	Investigating Human Factors in Analog Astronaut Missions: How Isolation and Darkness Shape Crew Interactions and Time Perception	France	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:45-12:55	13
Bernard	Foing	103590	Space Renaissance 4 All Gallery Launched with Nyx Cargo Mission Possible !	The Netherlands	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:55-13:05	13
Mojtaba	Raouf	96988	Educational Moon Earth CubeSat - EMEC: Remote Sensing of Earth and Lunar Surface	The Netherlands	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:05-13:15	13
Joseph	Church	103854	LunarLeaper: From Simulation to Hardware for Lunar Legged Locomotion	Switzerland	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	13:35-13:45	13
Michael Vincent	Quispe Mendoza	103538	Design and Simulation of Capsule Release from Venus Orbit for Scientific Balloon Deployment	Russian Federation	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:45-12:55	14
Devansh	Bhatia	101045	Hydroautonomous Robotic Explorers: Self-Assembling Intelligent Submersibles	India	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:45-12:55	15
Tsuyoshi	Shikida	102166	water demand forecasting in cislunar space using system dynamics approach	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	01/10/2025	12:55-13:05	15
He	Ren	101590	Fuel-optimal Trajectory Planning for Multi-Debris Active Removal Missions using Hierarchical Reinforcement Learning	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:05-13:15	15
Sumedh	Deshpande	102666	Design and simulation of 3-D printing process to recycle space debris	India	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:15-13:25	15

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Paul	Pinteu	100435	A Framework For Autonomous Spacecraft De-orbiting Taking Into Account Uncertainties	France	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:35-13:45	15
Yan Chun	Fu	100843	Application of Sub-Pixel Mapping in Space-Based Satellite Identification for Space Situational Awareness	Canada	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	12:45-12:55	16
Seda	AYDIN	100908	Operational Impacts of International Agreements and Regulations in Space Traffic Management and Proposed Solutions	Türkiye	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:05-13:15	16
Dan	Hu	95550	Analysis of the Occupation Status of Earth's Orbit by In-Orbit and Planned Satellites	France	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:15-13:25	16
Benedetta Marg	Cattani	96548	SAFEGuarding space assets: a novel method for collision risk estimation	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:25-13:35	16
Jakub	Leś	100514	Quantifying the Threat of Localized Fragmentation Events in Low Earth Orbit: Simulation-Based Assessment of Debris Evolution and Operational Disruptions	Poland	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:35-13:45	16
Xukang	Xie	99690	Dynamic Topology and Risk-Aware Attention of Space Debris Prediction for Mega-Constellation Networks	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	12:45-12:55	17
Joseph	Ivarson	95256	Operational Envelope Analysis and Conops Comparisons for Small Debris Remediation Using Programmable Dust	United States	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	12:55-13:05	17
Ilya	Fukin	102558	Novel Approaches to Computation of State Error Covariance Matrix for Near-Earth Objects	Russian Federation	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:05-13:15	17
Ruth	Stilwell	96219	Developing an Orbital Classification Framework for Low Earth Orbit: Modeling Insights and Community Engagement	United States	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:15-13:25	17
Raphael Eyiram	Soglo	96964	Assessing the Environmental Consequences of Satellite Reentry: Impact on Ozone Layer Depletion	Ghana	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:35-13:45	17
Kuang-Han	Ke	102172	System View On Space Sustainability Solutions	Taiwan, China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	12:45-12:55	18
Daniel	Finch	99865	Detection and Tracking of Space Objects and Debris Using Passive Radar	Australia	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:05-13:15	18
Nicolò	Trabacchin	95210	Towards Effective Space Situational Awareness in Cisouter Space: Orbital Characterisation and Electro-Optical sensor design.	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:15-13:25	18
Vladimir S.	Aslanov	96951	Attitude dynamics of small satellites deorbited by an inflatable balloon	Russian Federation	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	12:45-12:55	19
Zhihao	Zhang	99888	RSO-SAM: A Zero-Shot Segmentation Framework for Resident Space Objects Using the Segment Anything Model	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:05-13:15	19

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Jing	Yu	99825	Periodic Deduction Method for Low Earth Orbit Spacecraft Breakup Debris Population	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:15-13:25	19
Aldo	Tonnini	100635	Collision Risk from Spacecraft Breakups in Cislunar Space: A Case Study on the Lunar Gateway	France	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:35-13:45	19
Patrick	Kelly	102956	Projections of the Lunar Debris Environment: Lunar Population and Long-Term Orbit Modeling	United States	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	12:45-12:55	20
Pietro	Russo	102946	Analysis of Satellite Performance Requirements for Orbital Slot Maintenance	Italy	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	12:55-13:05	20
Lovejivan	Sidhu	100451	Verification and Validation of an Optical CubeSat Payload for Stratospheric and Orbital Missions	Canada	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:05-13:15	20
Shuanghong	Wu	99253	Active debris removal mission planning: an integrated deep reinforcement learning and genetic algorithm approach	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	01/10/2025	13:15-13:25	20
Reem	Alshammari	94834	Multi-City Dust Storm Frequency Prediction Using Satellite Data and Environmental Features	Saudi Arabia	B1	IAF EARTH OBSERVATION SYMPOSIUM	01/10/2025	13:05-13:15	22
Mohammed	Altamimi	100352	Advancing Scientific Collaboration: A Hyperspectral Data Sharing in the Arab Satellite 813 Mission	United Arab Emir	B1	IAF EARTH OBSERVATION SYMPOSIUM	01/10/2025	13:15-13:25	22
Sackdavong	MANGKHASEUM	95082	Harnessing Deep Learning techniques and Open-source Datasets to Analyze Possible Effects of Flooding on Land-cover, Population and Critical Facilities of the Nam Ngum	Japan	B1	IAF EARTH OBSERVATION SYMPOSIUM	01/10/2025	13:25-13:35	22
Kalia	Crowder	100994	Developing Distributed Orbit and Timing Application for Constellation Synchronization in GNSS-Denied Environments	United States	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	13:05-13:15	23
Lucas	Nöller	100651	AEROMULE: On-Chip Protection against Electromagnetic Interference in Space: Development and First results	Germany	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	13:15-13:25	23
Yaagyanika	Gehlot	102560	Design and Evaluation of a Miniature Optical Downlink Terminal for Secure, High-Speed LEO-to-Ground Communication	India	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	12:45-12:55	24
Toghrul	Guluzade	96996	blockchain for secure satellite data integrity: a decentralized approach to space communication security	Azerbaijan	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	13:05-13:15	24
Jorge	Rosano	94524	Cube1G: a full-hemispherical, high-speed optical communication terminal for CubeSats	Germany	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	13:15-13:25	24
Yuan	Zhang	96750	Cooperative optical navigation for asteroid exploration	China	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	13:25-13:35	24
Florian	Zeiger	100595	Satellite Computing Networks for Data-Centric Massive Device Management	Germany	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	13:35-13:45	24

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Nasser	AL Hashimi	97700	Assessing Neural Network Predicted Amplitude Scintillation for Missing Autumn 2014 Data at UKM Station Using Simulation	Oman	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	12:45-12:55	25
Sandeep	Garg	103607	Opportunities and Challenges in Free Space Optical Communication for Satellites	India	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	13:15-13:25	25
Mirko	Magarotto	96228	Plasma Antennas for Satellite Communications: Ongoing Activities	Italy	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	13:25-13:35	25
Gabriela	Calistro Rivera	99963	EAGLE-1: Qualification, Calibration, and Testing of the Transmitter for Europe's First QKD System	Germany	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	13:35-13:45	25
Benjamin	Palmer	95460	SatellLight: Wireless LiFi CAN Intra-Satellite Communication in a Realistic Nano-Satellite Model	Germany	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	01/10/2025	12:55-13:05	26
Dona Beatrix	Marabe	95338	The Design Concept of an Ultrahaptic Glove for Extravehicular Space Suits	The Philippines	B3	IAF HUMAN SPACEFLIGHT SYMPOSIUM	01/10/2025	13:15-13:25	26
Raymond	Yin	97542	Design Ideas and Advantages of Lunar Exoskeleton Spacesuit	China	B3	IAF HUMAN SPACEFLIGHT SYMPOSIUM	01/10/2025	12:55-13:05	27
Maria	Mattiello	98413	Feasibility Study of a Multi-Functional CubeSat for Comprehensive Solar Observations and Space Weather Monitoring	Italy	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	01/10/2025	13:15-13:25	27
Helen	Haile	95473	A Low-Cost CubeSat Mission for Monitoring Sea level rise in Coastal Regions	United Kingdom	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	01/10/2025	13:25-13:35	27
Theo	Fitch	100098	Sounding Balloons as a Low-Cost Platform for CubeSat Subsystem Validation: Insights from the Cloudview Missions	United Kingdom	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	01/10/2025	13:35-13:45	27
Marco	Rigamonti	102683	A fuel-efficient approach to multi-target visiting for a GEO Sentinel Satellite	Italy	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	01/10/2025	12:45-12:55	28
Jiaqi	Min	97960	Distributed Game-Theoretic Control for Attitude Alignment in LEO Satellites to Maintain Laser Communication	China	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	01/10/2025	12:55-13:05	28
Bruno	Correia	98797	GAMALINK: An Enabler For Autonomous Satellite Swarms and Enhanced Collision Avoidance through Inter-Satellite Communication	Portugal	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	01/10/2025	13:05-13:15	28
Huseyn	Huseynov	98840	Promoting Space Science through Small Satellites: Innovations, Discoveries, and Future Prospects	Azerbaijan	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	01/10/2025	13:15-13:25	28
Robert	Mearns	99707	Satplot: an open source satellite mission visualisation tool.	Australia	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	01/10/2025	13:25-13:35	28
Masashi	Kamogawa	102053	Are Presetronic Ionospheric Disturbances Precursors of Earthquakes?—Designing a CubeSat Mission for Phenomenon Verification	Japan	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	01/10/2025	13:35-13:45	28



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Benjamin	Kopriva	103828	Analyzing the stability and quality of service of a PNT spacecraft constellation in Areocentric orbit perturbed by gravity field harmonic and third body effects	United States	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	12:55-13:05	29
Shuhao	Cui	97790	Contingency trajectory design for the launch-phase failure of cislunar missions	China	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	12:45-12:55	30
LIXIANG	WANG	96731	Stochastic Trajectory Optimization for Satellite Swarm Reconfiguration via Convex Optimization	China	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	12:55-13:05	30
Edgar	Kirchner	96389	Dimensionality reduction in angles-only\ optimal orbit determination	Germany	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	13:05-13:15	30
Valentina	Becchetti	102774	Safe Reinforcement Learning for Autonomous Rendezvous and Proximity Operations: Balancing Safety and Performance in CubeSat Docking Missions	Italy	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	13:25-13:35	30
Lee	Spitler	99239	Engineering Excellence on Optical Head System Development: A leap for Lunar landings	Australia	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	13:35-13:45	30
Louis	Bruninx	96551	Robust TLE Outlier Detection Algorithm with Manoeuvre Detection Capabilities	Belgium	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	12:45-12:55	31
Rakesh Kumar	Sahoo	101909	Visual-Haptic Assisted Motion Planning for Precise Rendezvous and Docking of Satellites	India	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	13:15-13:25	31
Paridhi	Choudhary	97792	Precise control of satellite rendezvous and docking maneuver using physics-informed model predictive controller	India	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	13:25-13:35	31
Ruida	Xie	99002	Efficient low-thrust trajectory design using a multi-DNN framework	Australia	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	13:35-13:45	31
Simone	Proietti	102207	MONET: an industry-oriented software suite for mission analysis	Italy	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	12:45-12:55	33
Shun	Kodama	97832	ROBUST TRAJECTORY OPTIMIZATION SOFTWARE USING DIFFERENTIAL DYNAMIC PROGRAMMING	Japan	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	12:55-13:05	33
Konstantinos	Platanitis	103076	A constrained task allocation-based algorithm for multi-satellite communication routing	United Kingdom	C1	IAF ASTRODYNAMICS SYMPOSIUM	01/10/2025	13:25-13:35	33
Gülseren	SAKARYA	94786	XGS Space Waste Recycling Station: A sustainable resource Manufacturing in Orbit	Türkiye	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	12:45-12:55	34
Aayush	Thapa	102259	Evaluating the structural integrity of nano-laid benzoxazine composite joints for high-temperature solid rocket motor casings	Australia	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	13:15-13:25	34
Sriram	Kumar	96110	Advancements in Additive Manufacturing Techniques for Aerospace Applications: A Comprehensive Review on Performance-Driven Material Innovations, Process	United States	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	13:25-13:35	34

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Victor Raul	Huaman Simeon	99304	Implementation of a Cloud-Based ERP System for Optimized Inventory and Supply Management in Space Stations and Long-Duration Missions	Peru	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	12:45-12:55	35
Khanim	Azimova	98119	Challenges and Future Prospects of Innovative Materials and Technologies in Spacecraft Development	Azerbaijan	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	12:55-13:05	35
Muhammed Mus	KARAKAŞ	101727	Detection of Material Life in Spacecraft Using an AI-Supported Ground Control Station	Türkiye	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	13:05-13:15	35
Rogelio	Morales	94638	In-Space Autogenous Welding of Aluminum Alloy Modular Structures for Space Infrastructure Construction	Venezuela	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	13:15-13:25	35
Rumeysa	Bağlan	102815	Redefining Satellite Structures: The Impact of Advanced Manufacturing, Material Selection, and On-Orbit Assembly	Türkiye	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	13:25-13:35	35
Praveen	Elavazhagan	97887	MARIO-LAND: a Multi Arm Robot for In-orbit Operations at Laboratory for Autonomous Navigation Demonstrations	United Kingdom	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	13:35-13:45	35
Vishrutha	Thyagarajan	103815	Thermally Activated Deployment of Space Structures Using Graphene-Infused Shape Memory Polymer Composites	India	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	12:45-12:55	36
Cheryl	Chan	99260	Evaluating the Surface Quality and Optical Performance of Additively Manufactured Mirrors	Australia	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	13:15-13:25	36
Damiano	Carra	102502	design and analysis of a lightweight differential-bar-based system for a four-wheel rover	Italy	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	13:35-13:45	36
Angélica	Gutiérrez Sánchez	102009	Evaluation of simulation methods for fracture detection in rocket fuselages using computer vision.	Mexico	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	01/10/2025	12:45-12:55	37
Vivek	S	103785	Ground Testing of High-Thrust Semi-Cryogenic Engine in ISRO: Mechanical Design Challenges and solutions	India	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	13:15-13:25	38
Phylis	Makurunje	103826	Effects of seeded hydrogen on zirconium alloys for thermal propulsion	United Kingdom	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	13:25-13:35	38
Rene	Gonçalves	95811	Impact of Ethanol Droplet Size and Methane Addition on the Combustion Performance of Ethanol/LOx Bipropellant Systems: Insights from Reactive Molecular Dynamics	Brazil	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	13:35-13:45	38
Mustafa	Turkmenoglu	97619	Thermal Shroud Design for Hall-Effect Thruster Thermal Performance Verification Test	Türkiye	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	12:45-12:55	39
Zhaoyang	Tian	98219	geometrical structure design and optimization on an air-augmented solid rocket combustor	China	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	13:15-13:25	39
Minwoo	Han	103504	Enhancing Ignition Performance and Self-Sustained Combustion via Wire Vibration in a Water-Metal Micropropulsion System	Japan	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	13:35-13:45	39

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Carlos Alejandro	Martínez Núñez	94400	Characterization of Biopolymers for Alternative Propellants in Medium-Thrust Propulsion Systems	Mexico	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	12:45-12:55	40
Alex	Chandler	103108	SuperMagdrive: Next generation propulsion for larger spacecraft	United Kingdom	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	12:55-13:05	40
abderrahim	Nabi	103302	modular automated test equipment for propulsion and satellite subsystems based on ni compactdaq: a low-cost data acquisition approach	United Arab Emir	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	13:15-13:25	40
Abdullah	Algharrash	100283	Green Propulsion Technologies for Sustainable Space Operation Advancements, Applications, and Future Prospects	Saudi Arabia	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	13:25-13:35	40
Han	Shiang-Yi	100110	Quantum Space Thruster	Taiwan, China	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	13:35-13:45	40
Francesco	Marino	94305	watercube propulsion system engineering model mait campaign and flight model design cdr	Italy	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	12:45-12:55	41
Romildo Genaro	Silva Cuadros	98317	Feasibility of a Spring-Based Sustainable Launch System for Space Exploration.	Peru	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	12:55-13:05	41
Saroj	Kumar	102913	Comparative Analysis of Nuclear Thermal and Nuclear Electric Propulsion Systems for Enhanced Space Missions	United States	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	13:35-13:45	41
Anchal	Bhupal	94417	sustainable propulsion in low earth orbit: algae and seaweed based biofuels for space exploration applications	India	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	12:45-12:55	42
Victoria	Kulikova	96668	Simulation of plasma processes caused by electromagnetic field oscillations in Hall ion sources	Russian Federati	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	12:55-13:05	42
Prakhar	Jindal	95098	Experimental Investigation of Green Hypergolic Propellants for Upper-Stage Propulsion: Drop Test Results and Performance Analysis	The Netherlands	C4	IAF SPACE PROPULSION SYMPOSIUM	01/10/2025	13:05-13:15	42
Ankur	Singhai	103732	Towards High-Fidelity Earth Imaging: An integrated hardware approach to motion compensation and super resolution	India	D1	IAF SPACE SYSTEMS SYMPOSIUM	01/10/2025	13:15-13:25	42
Xuyang	Cao	97134	Failure-Tolerant Autonomous Control Method for Spacecraft Clusters: Research and Ground-Based Parallel System Design	China	D1	IAF SPACE SYSTEMS SYMPOSIUM	01/10/2025	13:35-13:45	42
Konstantinos	Platanitis	103097	MOSHIKONS: Modular Units for Spacecraft Hardware-in-the-loop Robotics Operations and Orbital Motion Simulations	United Kingdom	D1	IAF SPACE SYSTEMS SYMPOSIUM	01/10/2025	12:45-12:55	43
Paula	Gutierrez	103125	Deep Learning and Reinforcement Learning applications for re-entry trajectory optimization	United Kingdom	D1	IAF SPACE SYSTEMS SYMPOSIUM	01/10/2025	12:55-13:05	43
Pierre	BOAN	95587	TSN Ethernet: a new step towards fully unified satellite on-board communication networks?	France	D1	IAF SPACE SYSTEMS SYMPOSIUM	01/10/2025	13:05-13:15	43

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Michael	Lewis	96339	Voyager's NEL Platform on ISS - the Nanoracks External Facility	United States	D1	IAF SPACE SYSTEMS SYMPOSIUM	01/10/2025	13:15-13:25	43
Marco	Sabatini	96438	A modified proportional navigation algorithm for GEO autonomous robotic in-orbit servicing mission	Italy	D1	IAF SPACE SYSTEMS SYMPOSIUM	01/10/2025	13:35-13:45	43
Cong	Yu	100480	autonomous trajectory planning of free-floating space manipulators: a diversity-enhanced evolutionary reinforcement learning approach	China	D1	IAF SPACE SYSTEMS SYMPOSIUM	01/10/2025	12:45-12:55	44
David	Rivera-Lopez	101705	Mitigation of Reentry Blackout: Current Techniques and Future Directions	Peru	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	01/10/2025	13:05-13:15	44
Hernan	Giannetta	103753	Improving Safety System Reliability Through Autonomous Neutralization for Next-Generation Launch Vehicles	Italy	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	01/10/2025	13:15-13:25	44
Myungbo	Shim	103871	Development and Ground Demonstration of a Green-Propellant Orbital Transfer Vehicle for Reusable In-Space Logistics	Korea, Republic of	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	01/10/2025	13:25-13:35	44
Denis	Isaev	94163	Geocosmic general planetary vehicle for near space industrialization	Belarus	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	01/10/2025	13:35-13:45	44
Arjun	Dabas	96141	Multi-Objective Optimization of Reentry Vehicle Design: Aerodynamics, Heat Transfer, and Structural Durability	India	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	01/10/2025	12:45-12:55	45
Arjun	Dabas	95162	Studying the Effects of Buoyancy on a Semi-Rigid Vacuum Airship in the Martian Atmosphere	India	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	01/10/2025	12:55-13:05	45
ASLIPINAR	TAN	96088	Impact of Earth-Sun Orbital Variations on Climate Change and Magnetic Polarity of Earth	Türkiye	D4	23rd IAA SYMPOSIUM ON VISIONS AND STRATEGIES FOR THE	01/10/2025	13:05-13:15	45
Laszlo	Kestay	103692	Assessing Lunar Rare Earth Element (REE) Resources	United States	D4	23rd IAA SYMPOSIUM ON VISIONS AND STRATEGIES FOR THE	01/10/2025	13:15-13:25	45
Vitale	Diamandis	102106	Harnessing Gen Z's Vision and Navigating the Future of Aerospace	United States	D4	23rd IAA SYMPOSIUM ON VISIONS AND STRATEGIES FOR THE	01/10/2025	13:25-13:35	45
Fidan	Shiralizada	94095	Hook to the Stars	Azerbaijan	D4	23rd IAA SYMPOSIUM ON VISIONS AND STRATEGIES FOR THE	01/10/2025	12:45-12:55	46
Monia	Vadrucci	102432	Diamond quantum technologies for space applications in magnetometry, geodesy: ASIF irradiation campaigns.	Italy	D4	23rd IAA SYMPOSIUM ON VISIONS AND STRATEGIES FOR THE	01/10/2025	12:55-13:05	46
Kimmy	Chang	95067	Ground-Based Satellite and Star Photometry Using Gaussian Splats	United States	D5	58th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	01/10/2025	13:35-13:45	46
Zongfu	Luo	102006	Risk Analyses of Mega-Constellations based on Percolation Theory	China	D5	58th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	01/10/2025	12:45-12:55	47

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Naomi	McGill	94837	Galvanize FSO Network to assist with Radiation Monitoring and Blood Transfusions	United Kingdom	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	01/10/2025	12:55-13:05	47
Raja	Munusamy	101808	Enhancing Spacecraft Safety: A Review of Spacecraft Control System Failures, Their Impact, and Fault-Tolerant Solutions	India	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	01/10/2025	13:05-13:15	47
Rashi	Jain	100764	Enhancing Resilience in Space Systems: A Functional Decomposition Approach	United States	D5	38th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE	01/10/2025	13:35-13:45	47
Ryan	Scott	98725	Enabling the Future of the Space Legal Workforce	United States	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:35-13:45	48
Ravil	Mursalov	97667	Integrating earth observation into Climate Change Education	Azerbaijan	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	12:45-12:55	49
Ayako	Kurono	100669	Leveraging Generative AI for Space Education and Public Engagement	Japan	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:05-13:15	49
Ayako	Kurono	100688	Emma-chan Light: A Hands-on Educational CubeSat Model with Morse Code LED Communication	Japan	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:15-13:25	49
Avid	Roman-Gonzalez	94685	Empowering Education: Implementing CanSat Courses for Children to Foster Early Engagement in Space Technology	Peru	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:25-13:35	49
Daniel	Sors Raurell	103131	Empowering the Next Generation of the Space Workforce through Targeted Scholarships and Industry Internships	Spain	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:35-13:45	49
Marcin	Giza	94430	Combining satellite data and public safety in space education	Poland	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:05-13:15	50
Winnie	Tang	94345	Inspiring Ethical Minds: Integrating Space Exploration Ethics into Early-Stage Education	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:15-13:25	50
Cheulwoong	Kim	94712	supporting private space companies and developing space technology education	Korea, Republic of	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:25-13:35	50
Gamza	Yahyayeva	102794	Integrated teaching of chemistry with space to secondary school students	Azerbaijan	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:05-13:15	51
Shameer	Zeeshan	94839	democratizing space education through gamification	Pakistan	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:15-13:25	51
frazier	thorpe	101457	Cosmic Narratives: ARC Centre of Excellence in Plants for Space (P4S) innovations in Community Engagement in Space Research	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	01/10/2025	13:25-13:35	51
Zsófia	Biró	95908	Great ambitions but lack of regulation: the challenges of regulating nuclear power sources in the light of technological developments and safety reasons in outer	Hungary	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	01/10/2025	12:45-12:55	52

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Claire	Wilson	101585	A legal approach shaping Australian Policy for in-situ lunar mining	Australia	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	01/10/2025	12:55-13:05	52
Margarita	Herrera	103650	From the Andes to Orbit: Applying Chilean Labor Standards to Space Exploration	Chile	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	01/10/2025	13:05-13:15	52
Giada	Spinelli	98260	The Italian Space Agency and the Mattei Plan: A New Frontier for Diplomacy and Global Governance in Africa	Italy	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	01/10/2025	13:15-13:25	52
Ari	Eisenstat	98928	UN Summit of the Future Space Technology Seminar Outcomes	United States	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	01/10/2025	13:25-13:35	52
Luisa	Santoro	96063	Trends in space policy, regulations and economics: the search for new competitiveness in Europe, from the EU to the case of Italy.	Italy	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	01/10/2025	13:35-13:45	52
Medeni	Soysal	100477	The Historical Development of Space Activities and Globalization	Türkiye	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	01/10/2025	12:45-12:55	53
Erick Villa	Okeyo	94121	A New Era of Space: Technological, Ethical, and Global Perspectives.	Kenya	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	01/10/2025	13:05-13:15	53
Monika	Stankiewicz	99910	Design for Lunar Regolith Architecture Repairability: Lessons learnt from preliminary parametric investigations	Australia	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	01/10/2025	13:35-13:45	53
Selma	CHERCHALI	100215	Space4Ocean, an international Alliance between the space sector and marine and maritime stakeholders for the protection and sustainable use of the ocean and coastal	France	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	01/10/2025	12:45-12:55	54
Maëlle	Mathieu	95076	Modular Interlocking Panels for Lunar Habitats	Canada	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	01/10/2025	13:05-13:15	54
Ikuko	Kuriyama	102037	Explore to realize sustainable future. JAXA's SDGs strategy and initiatives for promoting innovation to solve social issues	Japan	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	01/10/2025	13:15-13:25	54
XiangYu	Zhang	96906	Research on the Design of Astronauts' Work Load Index Warning Interface Based on Multivariate Physiological Data under the Human-Building Interaction Framework	China	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	01/10/2025	13:35-13:45	54
Gianmarco	Polvani	97282	Implementing Agile Management in Space Robotics University Project: The ARDITO Rover Case Study	Italy	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	01/10/2025	13:25-13:35	55
Alessandro	Paravano	95805	Challenges and Incentives in Developing Sustainable Commercial Space Projects: The Strategic Role of PPPs	Italy	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	01/10/2025	13:35-13:45	55
Riccardo	Bernocchi	95906	Why space companies should understand more about platform models	Italy	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	01/10/2025	13:05-13:15	56
Michele	Rosari	103644	Neuromarketing in space deep tech: leveraging emotional and cognitive responses to accelerate tech adoption	Italy	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	01/10/2025	12:45-12:55	56

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Keri	Arango	94054	Low-Cost Open-Circuit Subsonic Wind Tunnel: Achieving Balance between Reproducibility, Affordability, and Performance	Mexico	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	01/10/2025	13:15-13:25	56
Maheen	Parbhoo	102114	Establishing an African space finance lab: pioneering financial mechanisms and investment strategies for the continent's space sector	South Africa	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	01/10/2025	13:25-13:35	56
Maheen	Parbhoo	102146	Building an African space tech fund: catalysing innovation and investment through public-private partnerships	South Africa	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	01/10/2025	12:45-12:55	57
Christina	Almonte	102898	Customary Behavior in Space: The Implications of Jamming and Spoofing of Small Satellites on International Law and State Practice	Canada	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	01/10/2025	13:15-13:25	57
Jacqueline	Reichhold	102317	How space debris impacts the implementation of IHL in outer space	Germany	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	01/10/2025	13:25-13:35	57
David	Eagleson	100968	Addressing Fragmented Space Governance: Enforcing Appropriate and Evolving Standards for Space Safety	United Kingdom	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	01/10/2025	13:35-13:45	57
Marie-Claire	Najjar	102424	Liability regimes at the intersection of outer space and cyber space	Italy	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	01/10/2025	12:45-12:55	58
Sima	Moradinasab	94288	armed conflicts in outer space: interaction between special regimes during international crises	Iran	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	01/10/2025	13:25-13:35	58
Beauler	Wozhele	102191	Private Sector Growth and Space Law in Africa: Legal Challenges in Regulating Commercial Space Activities	Zimbabwe	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	01/10/2025	13:15-13:25	58
Kimal	Hiralall	96760	Understanding the global shift in commercialization in LEO and beyond What is the use of commercialization in exploration and	Australia	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	01/10/2025	12:45-12:55	59
Daniel	Sors Raurell	102958	Successful initiatives to connect and interact with emerging space ecosystems	Spain	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	01/10/2025	13:05-13:15	59
Dalia	Alrudaini	100472	K-STAR: A Catalyst for Kuwait's Growing Presence in the Global Space Sector	Kuwait	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	01/10/2025	13:15-13:25	59
Li	Qiao	102179	Exploring the Australian Space Industry Capability Database: Initial Findings and Visualization	Australia	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	01/10/2025	13:35-13:45	59
Ioana	Petrescu	95597	Government as an Innovation Catalyst: The Role of Grants and Prizes in Emerging Space Ecosystems	Romania	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	01/10/2025	12:45-12:55	60
Tim	Parsons	99502	Spinning Up a Space Economy: A Deliberate Approach To Surpass Nascency	Australia	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	01/10/2025	13:05-13:15	60
Luke	Heffernan	103122	The Role and Creation of Direction in Growing an Emerging Space Nation	Australia	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	01/10/2025	13:15-13:25	60



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Michael	Kio	99164	Space Sustainability: A Catalyst for Socio-Economic Development in Emerging Space Nations	United States	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	01/10/2025	13:35-13:45	60
Ruth	Bunford	96747	Enhancing Gravity-Loading and Mobility in Countermeasure Suitsuits: A Multi-Panel Patternmaking Approach for IVA Applications.	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	02/10/2025	13:40-13:50	1
Gordon	Carroll	94824	Positive Spin: Spectroscopic Analysis of Ionoprotein Degradation due to Heavy Ionising Radiation Exposure and its Impact on Pharmaceutical Viability in Future Space	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	02/10/2025	13:50-14:00	1
Ana Fernanda	Bermúdez Monroy	102904	Microbial resilience in space: Engineering probiotics for astronaut health.	Mexico	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	02/10/2025	14:00-14:10	1
John	Cherry	97704	Space Life Sciences Research within the Australian Antarctic Program – supporting long duration spaceflight	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	02/10/2025	14:00-14:10	2
John	Cherry	97729	EVALUATION OF AUTONOMY-ENABLING SOLUTIONS FOR HANDHELD ULTRASOUND USE IN AN ANTARCTIC SPACEFLIGHT ANALOG	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	02/10/2025	14:30-14:40	2
Eugene	Li	102978	Quantum Neurotechnology for Astronaut Brain Health: Advancing Cognitive Monitoring and Adaptation in Spaceflight	Australia	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	02/10/2025	13:30-13:40	3
BVS	Madhavi	96273	Olfactory Odyssey: Cognitive Consequences in Zero-G	India	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	02/10/2025	13:50-14:00	3
Binquan	Zhang	95665	Operations of the Space Radiobiological Exposure Facility onboard the China Space Station	China	A1	IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM	02/10/2025	14:40-14:50	4
Neal	Lachman	103483	Titans Space Industries Spaceplane: a novel platform for orbital microgravity research	United States	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	02/10/2025	13:50-14:00	5
Devshi	Perera	100626	Investigating the Effects of Centrifugal Forces on the Porosity of Solder Joints Formed in Microgravity	Canada	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	02/10/2025	14:00-14:10	5
Yanyan	Zhao	98161	Effects of Gravity and Vacuum Conditions on Properties of 3D Printed Parts by Fused Deposition Modeling	Canada	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	02/10/2025	14:10-14:20	5
Avid	Roman-Gonzalez	94575	Random Motion Machine for the Simulation of Microgravity Conditions and its Applications in Space Technology	Peru	A2	IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM	02/10/2025	14:20-14:30	5
Nathan	Widdup	101454	Bio-Inspired Flight for Martian Exploration	Australia	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	13:30-13:40	7
Clyde	Webster	97632	Pioneering Autonomous Earth-Bagging Construction for a Sustainable Lunar Future	Australia	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	13:40-13:50	7
Shengze	Yuan	96764	Motion Planning for Lunar Surface Person Tracking Robot via Flatness-Based Safe-MPC with Virtual Disturbances	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	14:00-14:10	7

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Juan Salvador	Palacios Bett	99671	Innovative Deployment and Optimization of Lunar Femtosatellite Swarms for Advanced Space Weather Monitoring	Peru	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	14:30-14:40	7
Atharva	Pawar	100471	Sample Return Missions to Hygiea: A Strategic Resource Hub for Deep Space Exploration and Human Presence Beyond Earth	India	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	13:30-13:40	8
Harshit	Kumar	103464	Onboard Lunar Orbiter Mission: A Miniaturised Radio Occultation based Payload for Lunar Atmospheric Study and Future Prospects	India	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	14:00-14:10	8
Léonie	Gasteiner	97770	Rheological Lunar Regolith Simulants	Switzerland	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	14:40-14:50	8
Victor	Leonov	98790	Analysis of Approaches to Ensure Reusability of Heat Shielding of Cargo Descent Vehicles Returning from the Moon	Russian Federation	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	13:30-13:40	9
Takashi	Mizuguchi	103824	sworb: simulation-based motion planning and reconfigurable architecture with spherical swarm robots	Japan	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	14:40-14:50	9
Giovanni	Zanotti	102220	The role of ground segment as a service in supporting lunar exploration	Italy	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	13:30-13:40	10
Mahinda	Pathegama	103850	A Novel Cosmological Model: The Interstellar Hub Theory and Solar Lasi Dynamics - An Alternative to Dark Matter Paradigms	Sri Lanka	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	14:40-14:50	10
Arda Kağan	Menteş	103079	super-efficient unmanned agriculture for lunar colonization	Türkiye	A3	IAF SPACE EXPLORATION SYMPOSIUM	02/10/2025	14:20-14:30	11
Khadija	Bayramova	100154	the role of consciousness in defining reality: a philosophical and scientific inquiry	Azerbaijan	A4	34th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL	02/10/2025	14:30-14:40	11
Samiksha	Raviraja	103175	Artificial Human Evolved Intelligence vs. Naturally Evolved Biological Intelligence: Interaction between the two and Game Theory	United Kingdom	A4	34th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL	02/10/2025	13:30-13:40	12
Ellie	Fox	102255	Earth's first encounter: will making contact strengthen humanity or cause more harm than good, and if so, who makes the first move?	Australia	A4	34th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL	02/10/2025	14:00-14:10	12
Paolo	Musso	100861	Five years of SETI at the InCosmiCon Research Center	Italy	A4	34th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL	02/10/2025	14:10-14:20	12
Iniya	Pragati	98486	Sustainable Hydroponic Farming for Long Duration Space Missions: Results from the Analog Astronaut Training Center, Europe - an Isolated Field Spectrometer Measurements in Analogue Space	India	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	14:40-14:50	13
Johanna	Chevalier	103760	Environments: Bridging Human Factors, Astrobiology, and Planetary	France	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	13:30-13:40	13
Gabriel	Houston	99393	A case study for developing a Lunar research outpost funded by commercial science operations.	United States	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	13:40-13:50	13

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Alejandro José	Agapito Quiñones	103712	Enhancing Mission Longevity in Space Robotics: A Reconfigurable 2U CubeSat with Hybrid Aerial-Legged Locomotion	Peru	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	13:50-14:00	13
Julio Cesar	Tello Rojas	103699	Intelligent Control System for the Support and Energy Management in Moonal Habitats Using TinyML and Dual Microcontrollers	Peru	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	14:00-14:10	13
Yasin	Yetgin	103157	Sustainable Lunar Mining: Exploration, Extraction, and Feasibility Analyses	Türkiye	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	14:10-14:20	13
Rodrigo Martinez	Chavez	101695	Design Proposal for an Analog Research Station in the Pampas de la Joya Desert, Peru	Peru	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	14:20-14:30	13
Erik	Seedhouse	94065	Charting the Unknown: Applying Amundsen's Antarctic Masterclass to Mars Exploration	United States	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	14:30-14:40	13
Daniel	Ricardo	98993	Vapor Deposition of Icy Lunar Regolith Using the Swinburne Dusty Thermal Vacuum Chamber	Australia	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	13:30-13:40	14
Yuying	Liang	95868	Reconstruction of Lunar Gravity Anomalies and Heterogeneous Density Distribution Based on Optical Guidance Information	China	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	13:40-13:50	14
Saira	O. Williams	103070	Neuromorphic AI for Autonomous Spacecraft: A Low-Power Alternative for Real-Time Decision-Making in Deep Space Missions	Costa Rica	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	13:50-14:00	14
Katia	Bourahmoune	103777	Towards Embodied Robotic Coaching for Skill Training in Spaceflight	Australia	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	14:00-14:10	14
Arjun	Dabas	95166	Engineering a Habitable Dome For Venusian Atmosphere Colonisation	India	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	14:10-14:20	14
Yizhuang	Zhang	99485	A Teleoperation Planetary Surface Walking Robot Based on Force Feedback Human-Robot Interaction System	China	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	14:20-14:30	14
Lilly	Etzenbach	100664	Modular Waste Recycling and Manufacturing System Architecture for the Moon and Beyond	United States	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	14:30-14:40	14
Eleonore	Poli	94586	Transformation and Adaptation of a Habitat for Parastronauts: A Parastronaut Feasibility Study on an Existing Space Analogue Habitat and its Implications for	Switzerland	A5	28th IAA SYMPOSIUM ON HUMAN EXPLORATION OF THE SOLAR SYSTEM	02/10/2025	14:40-14:50	14
Leonardo	Barilaro	95059	ASTROBEAT 2: Advancing Space Debris Mitigation and Spacecraft Repair Technologies	Malta	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	02/10/2025	13:30-13:40	15
Stefan	Lobas	97911	LISA-ODISEE: A CubeSat Compatible and Hyper-Redundant Robot for In-Orbit Inspection, Servicing and Assembly	Germany	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	02/10/2025	14:00-14:10	15
Walaa	Mahmoud	102000	Tuna Can Standard Deorbit System: A Cost-Effective Solution for CubeSat End-of-Life Disposal	Egypt	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	02/10/2025	14:40-14:50	15

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Julian	Guinane	99300	Star Trackers as Dual-Use Sensors: Optimisation for Simultaneous Resident Space Object Detection and Attitude Determination	Australia	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	02/10/2025	13:40-13:50	16
Jinyu	Zhang	95762	Research on spatial non-cooperative target capture trajectory planning method based on multi-strategy parallelism	China	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	02/10/2025	13:30-13:40	17
Keijiro	Hattori	96851	Practical origin identification of on-orbit satellite fragmentation from in-situ sub-millimeter-sized debris measurements	Japan	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	02/10/2025	13:40-13:50	17
David	Rossa	95842	Investigating Electrodynamic Tethers for Sustainable Space Debris Mitigation	Germany	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	02/10/2025	14:30-14:40	17
Deepanshu	Mathur	101379	Study of Stellar Activity and Stellar Cycle of M-Dwarf host stars using K2 and TESS Observations	India	A7	IAF SYMPOSIUM ON ONGOING AND NEAR FUTURE SPACE	02/10/2025	13:40-13:50	19
Vera	Mayorova	100081	Concept of a space telescope with a petal-shaped coronagraph for exoplanet studies	Russian Federation	A7	IAF SYMPOSIUM ON ONGOING AND NEAR FUTURE SPACE	02/10/2025	13:50-14:00	19
Henri	Roviera	101503	microlensing searches for exoplanets	France	A7	IAF SYMPOSIUM ON ONGOING AND NEAR FUTURE SPACE	02/10/2025	14:10-14:20	19
Atilla	Muradli	101810	Orbital Characteristics of Periodic Comets: Orbital Period, Inclination, and Semi-Major Axis Distribution	Azerbaijan	A7	IAF SYMPOSIUM ON ONGOING AND NEAR FUTURE SPACE	02/10/2025	13:30-13:40	20
Federico	Toson	95434	Integration of drone and stratospheric balloon platforms for agricultural monitoring and satellite data validation	Italy	B1	IAF EARTH OBSERVATION SYMPOSIUM	02/10/2025	14:00-14:10	20
Mirvari	Alimova	95724	Operational Innovations and Strategic Pathways in Earth Observation for Sustainability	Italy	B1	IAF EARTH OBSERVATION SYMPOSIUM	02/10/2025	14:00-14:10	21
Phuwamest	Sonsiri	95903	The tilt adapter design for Optical payload in THEOS-3 small satellite Thailand.	Thailand	B1	IAF EARTH OBSERVATION SYMPOSIUM	02/10/2025	13:30-13:40	21
Pratheek Ranjan	Mitra	97068	Design of the Structure of an Earth Observation 3U CubeSat for Hyperspectral Imaging	The Netherlands	B1	IAF EARTH OBSERVATION SYMPOSIUM	02/10/2025	13:50-14:00	21
Anonnya	Ghosh	101115	A Review of Class-Incremental Learning for SAR Data	Australia	B1	IAF EARTH OBSERVATION SYMPOSIUM	02/10/2025	14:10-14:20	21
Pretha	Sur	100372	lightweight onboard realtime ship detection in sar imagery using an adjusted nanodetplus framework	Australia	B1	IAF EARTH OBSERVATION SYMPOSIUM	02/10/2025	14:20-14:30	21
Ákos	Uzonyi	96491	Investigating the Limits of Free Space Bell-state Synchronization	Hungary	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	14:10-14:20	22
Tanya	Scalia	94714	Space QKD systems and networks: a review and technology landscape	Italy	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	14:20-14:30	22

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Hee Seob	Kim	97495	Instrument and Operation Concept of Inter-Frequency Bias Calibration	Korea, Republic of	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	14:30-14:40	22
Khurram	Malik	103581	Leveraging GEO Satellite Virtualization for Enhanced Real-Time Security in Hybrid Satellite Networks	Australia	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	13:30-13:40	23
Moritz	Mihm	96834	Commissioning the Singapore optical ground station for space-based quantum communication	Singapore, Republic of	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	14:00-14:10	23
Marten	Berlin	102989	LEO constellation analysis for emergency services in Europe in a 6G 3D network	Germany	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	14:10-14:20	23
Celia	Chavez Virgen	94514	Satellite Communications and IoT in Mexico and Latin America: Proposing a Model Towards Digital Inclusion in Marginalized Areas	Mexico	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	14:30-14:40	23
NAHIRI	LEILA	95258	Compensating for Doppler Shift in Nanosatellite Communications: A Case Study with Real Signals	Morocco	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	13:40-13:50	24
Yasushi	MUNEMASA	100305	Research and Development Status of NICT's High-Speed Laser Communications Mission, "HICALI" on Engineering Test Satellite 9 (ETS-9)	Japan	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	13:30-13:40	24
Takamasa	Itahashi	99810	LOCAS: JAXA's new optical data relay system-the result of on-orbit technology demonstration and achieved performance	Japan	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	13:50-14:00	24
Axel	Núñez Arzola	94265	Use of Modified Submarine Cabling in Space Environments: Solutions for Telecommunications on the Moon	Mexico	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	14:10-14:20	24
Joseph	Ashby	99841	Taiaho Observatory: New Zealand Contributions to the Australasian Optical Ground Station Network	New Zealand	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	02/10/2025	14:40-14:50	24
Eugene	Li	103050	Bridging Mind and Machine in Space: Quantum Neurotech for Human-Robot Collaboration	Australia	B3	IAF HUMAN SPACEFLIGHT SYMPOSIUM	02/10/2025	14:30-14:40	25
Saira	O. Williams	102939	Inclusive design, all astronauts at the heart of design - Future-Proofing Human Spaceflight for All	Costa Rica	B3	IAF HUMAN SPACEFLIGHT SYMPOSIUM	02/10/2025	14:40-14:50	25
Cai	Yingkai	96203	Intelligent Optimization Algorithm for the Payload Layout of Small Space Debris Removal Satellites Considering Multiple Constraints	China	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	02/10/2025	13:50-14:00	26
Youhua	Ye	96949	Low-cost Standardized CubeSat Platform for Biomedical Experiments	China	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	02/10/2025	14:00-14:10	26
Mohammed	Altamimi	100378	Systematic Integration of Sat&13 Spacecraft Subsystems: A Comprehensive Overview of Design and Integration	United Arab Emirates	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	02/10/2025	13:30-13:40	27
Maximilien	Berthet	101863	UNISEC Global's Nano-satellite IoT Constellation Program by International Collaboration: From Establishment to Planned Operations	Japan	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	02/10/2025	14:30-14:40	27

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Howard	Hall	101173	Interstellar small satellite study with insertion into an exoplanet atmosphere to perform composition analysis	United States	B4	IAF SYMPOSIUM ON SMALL SATELLITE MISSIONS	02/10/2025	13:30-13:40	28
Khadija	Huseynli	97917	Prevention of Pollution in the Caspian Sea and Its Major Inflowing Rivers Using SAR Technology	Azerbaijan	B5	IAF SYMPOSIUM ON INTEGRATED APPLICATIONS	02/10/2025	13:50-14:00	28
Leman	Safarli	103274	Advanced Rocket Simulation and Mission Prediction Platform	Azerbaijan	B5	IAF SYMPOSIUM ON INTEGRATED APPLICATIONS	02/10/2025	14:10-14:20	28
DAVE	FURTADO	102224	Synergising the Data-Driven Digital Twin (DS1): Predicting the Remaining Useful Life (RUL) of Spacecraft Battery Modules	Australia	B5	IAF SYMPOSIUM ON INTEGRATED APPLICATIONS	02/10/2025	14:20-14:30	28
Babagana	BABAGANA	94032	Space Data Applications in Mitigating Environmental Degradation and Related disasters in the Sahel Region of Africa	Nigeria	B5	IAF SYMPOSIUM ON INTEGRATED APPLICATIONS	02/10/2025	14:30-14:40	28
fei	teng	98108	Study on Enhancement of Transmission Performance of Low Orbit Satellite Internet Star-ground Link Based on Hybrid PSO-SA	China	B5	IAF SYMPOSIUM ON INTEGRATED APPLICATIONS	02/10/2025	14:40-14:50	28
Axel	Núñez Arzola	94267	Ehecatt: Environmental Monitoring Network Using IoT and AI to Forecast Air Quality Using Remote Sensing.	Mexico	B5	IAF SYMPOSIUM ON INTEGRATED APPLICATIONS	02/10/2025	13:30-13:40	29
Bextiyar	Novruzov	96667	The Analysis of Space Data and Innovative Solutions with Big Data and Data Science Methods: Discovery of the Secrets of the Universe and Applications for Sustainable	Azerbaijan	B5	IAF SYMPOSIUM ON INTEGRATED APPLICATIONS	02/10/2025	13:40-13:50	29
Alexandr	Sein	102438	A Space Robotics Design Challenge in a High-Fidelity Virtual Environment	United States	B6	IAF SPACE OPERATIONS SYMPOSIUM	02/10/2025	13:50-14:00	29
Harrison	Steyn	99071	Scalable Multi-Type, Multi-Satellite Scheduling for Heterogeneous Constellations	Australia	B6	IAF SPACE OPERATIONS SYMPOSIUM	02/10/2025	14:00-14:10	29
Stefan-Vlad	Tudor	103334	Automating Ka-Band Ground Segment Resource Management for LEO Satellites: Enhancing Communication Robustness and Addressing Challenges	Italy	B6	IAF SPACE OPERATIONS SYMPOSIUM	02/10/2025	14:20-14:30	29
Sam	Hall	100232	Satellite Parametric Analysis Computing Environment (SPACE) - a rapid orbital AI validation platform.	Australia	B6	IAF SPACE OPERATIONS SYMPOSIUM	02/10/2025	14:30-14:40	29
Javier	Maldonado-Romo	94556	Agentic AI workflow analysis for a robotic debris removal mission	Mexico	B6	IAF SPACE OPERATIONS SYMPOSIUM	02/10/2025	13:30-13:40	30
Michael	Lewis	102470	Voyager's 'Nanoracks External Laboratory (NEL)' - The next generation payload hosting platform on the ISS	United States	B6	IAF SPACE OPERATIONS SYMPOSIUM	02/10/2025	13:40-13:50	30
Haohua	Niu	97557	IMGNN-DRL: A Graph Reinforcement Learning-based Method of Information Dissemination for Mega-Constellation Networks	China	B6	IAF SPACE OPERATIONS SYMPOSIUM	02/10/2025	13:50-14:00	30
SAIAH	BEKKAR DJELLOUL	102154	analyzing weather impact on signal quality of s band ground station	Algeria	B6	IAF SPACE OPERATIONS SYMPOSIUM	02/10/2025	14:00-14:10	30

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Rameez Ahmed	Malik	102062	Multi-Objective Optimization of Lunar Navigation Satellite System using Genetic Algorithm	Australia	C1	IAF ASTRODYNAMICS SYMPOSIUM	02/10/2025	13:30-13:40	31
Kenta	Nakajima	96854	An analytical framework for hybrid spiral-ellipse trajectories under atmospheric drag	Japan	C1	IAF ASTRODYNAMICS SYMPOSIUM	02/10/2025	13:40-13:50	31
Yun	Xu	96497	Modeling and analysis of local toroidal coordinates for large-range quasi-periodic relative motion within mega constellation satellites	China	C1	IAF ASTRODYNAMICS SYMPOSIUM	02/10/2025	13:50-14:00	31
Raúl Gianmarco	Chávez Chávez	103749	Nonlinear Control with Feedback Linearization for ADCS in 2U CubeSat: LQR-Based Control Strategy	Peru	C1	IAF ASTRODYNAMICS SYMPOSIUM	02/10/2025	14:10-14:20	31
Andrea Jimmy	Pacursa	102631	high-resolution imaging in vleó: preliminary mission analysis and gnc design for the horus mission	Italy	C1	IAF ASTRODYNAMICS SYMPOSIUM	02/10/2025	14:40-14:50	31
Alejandro	Hernandez Gonzalez	100846	Biomimetic Aerodynamic Enhancements and AI Integration for Rocket Vehicle Performance	Mexico	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	02/10/2025	14:20-14:30	32
Victoria	de León	95463	Bio-Based Strategies for Lunar Construction: Evaluating Sodium Alginate as a Sustainable Regolith Binder	Mexico	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	02/10/2025	14:00-14:10	33
Tafsir	Tafsirojjaman	99185	Analytical behaviour of Regolith-Resin-Composite (RRC) Material for Lunar Construction	Australia	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	02/10/2025	14:00-14:10	34
Marco	Fabiani	98117	Reduced-order Models for Radiative Heat Loads Estimation in Liquid Rocket Engines	Italy	C4	IAF SPACE PROPULSION SYMPOSIUM	02/10/2025	14:30-14:40	36
Thimthana	Lee	96699	Solid Hydrocarbon Propellants for Electrothermal Plasma Micro-Thrusters	Australia	C4	IAF SPACE PROPULSION SYMPOSIUM	02/10/2025	13:30-13:40	37
Hongwei	Lou	98214	valve design for the pressurization system of large liquid rocket	China	C4	IAF SPACE PROPULSION SYMPOSIUM	02/10/2025	14:10-14:20	37
Hongwei	Lou	98195	pogo analysis and accumulator design for the pr-2 launch vehicle	China	C4	IAF SPACE PROPULSION SYMPOSIUM	02/10/2025	14:20-14:30	37
Beste	Boybasi	103809	Design and Experimental Validation of a Mass-Efficient Pancake Hybrid Rocket Motor with Vortex-Induced Flow for In-Space Application	Türkiye	C4	IAF SPACE PROPULSION SYMPOSIUM	02/10/2025	13:30-13:40	38
Mehmet Kemal	Ergin	102942	Optimization and Performance Analysis of Liquid Bipropellant Injectors for Advanced Propulsion Systems	Türkiye	C4	IAF SPACE PROPULSION SYMPOSIUM	02/10/2025	13:40-13:50	38
Mehmet Kemal	Ergin	103811	Hybrid Rocket Development with Nvtyrox Blends through Real-Gas Modeling and Planned Hot-Fire Testing for In-Space Applications	Türkiye	C4	IAF SPACE PROPULSION SYMPOSIUM	02/10/2025	13:50-14:00	38
Özgür Mert	Küçük	102858	Additively Manufactured ABS/Al Hybrid Rocket Fuels: Investigating Advanced Grain Geometry Effects on Combustion	Türkiye	C4	IAF SPACE PROPULSION SYMPOSIUM	02/10/2025	14:00-14:10	38



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Hui	Liu	103721	Study on the Influence of Different Methane Injection Strategies on the Combustion Characteristics of RBCC Engines	China	C4	IAF SPACE PROPULSION SYMPOSIUM	02/10/2025	13:30-13:40	39
Michael	Halvorson	96719	The Ontological Characterization of System Resilience, Reliability, Robustness, and Anti-Fragility for Use in Socio-Technical Systems	United States	D1	IAF SPACE SYSTEMS SYMPOSIUM	02/10/2025	14:20-14:30	39
Manojkumar	P	103740	Qualification of Flow proportioning valve for dynamic environment	India	D1	IAF SPACE SYSTEMS SYMPOSIUM	02/10/2025	14:40-14:50	39
Zack	Rosenthal	103672	Development of a Commercial Space Food System to Enable Low-Earth-Orbit (LEO) Habitability	United States	D1	IAF SPACE SYSTEMS SYMPOSIUM	02/10/2025	13:40-13:50	40
Kaylee	Li	102393	Optimising Space Systems Change Management through MBSE	Australia	D1	IAF SPACE SYSTEMS SYMPOSIUM	02/10/2025	13:50-14:00	40
Jiuqi	Liu	96926	Design and Validation of a Low-Cost Navigation System for Precise Landing Points of Rocket's Core Stage	China	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	02/10/2025	14:10-14:20	40
Yu	Zhou	96920	Precision Landing Point Control Technology for Rocket Core Stage	China	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	02/10/2025	14:20-14:30	40
Jian	Kang	95861	Application of Systems Engineering Innovation in the GNC Technology of the Controlled Recovery for a Reusable Launcher	China	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	02/10/2025	14:30-14:40	40
Martin	Gros	95449	Preliminary Life Cycle Assessment and eco-design prospects for autophagy launchers: case study of the combustible fuselage.	France	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	02/10/2025	13:50-14:00	41
ANANT	SINGHAL	101267	Simulations of Multi-Thruster Plume Interactions with Lunar Surface for Chandrayaan-3 Lander	India	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	02/10/2025	13:30-13:40	41
Antoine	ARVEILLER	95559	Titan: Development of a research and test center	France	D2	IAF SPACE TRANSPORTATION SOLUTIONS AND	02/10/2025	14:00-14:10	41
Erik	Kulu	95585	In-Space Economy in 2025 – Analysis and Deep Dives into In-Space Transportation and Reentry Vehicles	Estonia	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	02/10/2025	13:30-13:40	42
Denis Michael	Acker	94982	The Lunar-MagWay: Phase 0/A Study of a sustainable high-speed transportation system for Lunar Infrastructures	Germany	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	02/10/2025	14:00-14:10	42
Erick Villa	Okeyo	94273	Advancing Space Exploration through Technology: The Kenyan Perspective	Kenya	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	02/10/2025	14:40-14:50	42
Ekaterina	Faber	103780	From Components to Ecosystems: Building Blocks for Sustainable Lunar Infrastructure	Russian Federation	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	02/10/2025	13:40-13:50	43
Dharshun	Sridharan	95513	Space Infrastructure Will Be The Key Differentiator In A Commoditized Space Economy	Australia	D3	23rd IAA SYMPOSIUM ON BUILDING BLOCKS FOR FUTURE SPACE	02/10/2025	14:00-14:10	43

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Ekaterina	Faber	103784	The Role of Open Source for Lunar Base 2042: Pathway to Global Interoperability	Russian Federation	D4	23rd IAA Symposium on Visions and Strategies for the	02/10/2025	13:30-13:40	44
Ari	Eisenstat	98915	Transformational Astrofutures Workshop	United States	D4	23rd IAA Symposium on Visions and Strategies for the	02/10/2025	13:40-13:50	44
Upasana	Dasgupta	102907	Advanced technologies for collision avoidance in outer space : Bridging the technological divide and establishing minimum standards	India	D5	38th IAA Symposium on Safety, Quality and Knowledge	02/10/2025	14:20-14:30	44
Amil	Jamilov	98606	decentralized real-time intrusion detection and adaptive response in inter-satellite communications using federated learning and deep reinforcement learning	Azerbaijan	D5	38th IAA Symposium on Safety, Quality and Knowledge	02/10/2025	13:50-14:00	45
Enzo	FERREC	100983	space safety for the moon: evaluating space weather forecast solutions for lunar exploration and habitability	France	D5	38th IAA Symposium on Safety, Quality and Knowledge	02/10/2025	14:20-14:30	45
EUNGWOO	LEE	97447	Case Studies on Safety Criticality Review in Launch Vehicle Test Infrastructure	Korea, Republic of	D5	38th IAA Symposium on Safety, Quality and Knowledge	02/10/2025	14:40-14:50	45
Won-Gi	Kim	96441	Impact Dispersion Area Estimation for State Uncertainty Using Numerical Approximation	Korea, Republic of	D6	IAF Symposium on Commercial Spaceflight Safety	02/10/2025	13:30-13:40	46
Paola	Breda	96247	Security and Safety of Commercial Launch Operations in Rapid Prototyping Activities	Germany	D6	IAF Symposium on Commercial Spaceflight Safety	02/10/2025	13:40-13:50	46
Gerard	Basha	96301	Incapacity, death and inheritance – space and society	Australia	D6	IAF Symposium on Commercial Spaceflight Safety	02/10/2025	13:50-14:00	46
Sungwoo	Park	99753	cosmos :integrated platform for sustainable space traffic management	Korea, Republic of	D6	IAF Symposium on Commercial Spaceflight Safety	02/10/2025	14:00-14:10	46
Daniel Estephan	Venturi Calero	99130	Ransomware Threats in Space Missions: Vulnerabilities and Prevention Strategies	Peru	D6	IAF Symposium on Commercial Spaceflight Safety	02/10/2025	13:30-13:40	47
Raja	Munusamy	101809	Advanced Fault-Tolerant Spacecraft Flight Control Systems: A Comparative Analysis of Adaptive and Nonlinear Control Techniques	India	D6	IAF Symposium on Commercial Spaceflight Safety	02/10/2025	13:40-13:50	47
Devansh	Bhatia	100980	Geo-Bio Synergistic Spaceport Design	India	D6	IAF Symposium on Commercial Spaceflight Safety	02/10/2025	13:50-14:00	47
Celia	Chavez Virgen	94525	A Data-Driven Approach to Inclusion in Space and STEAM: Women and Indigenous Representation in Tlaxcala, Mexico	Mexico	E1	IAF Space Education and Outreach Symposium	02/10/2025	13:30-13:40	48
Theodore	Tagami	102760	Seeds of Discovery: ExoLab's Global Inquiry Pedagogy Connecting K-12 Students with Space Research	United States	E1	IAF Space Education and Outreach Symposium	02/10/2025	13:50-14:00	48
Karol	Kotacz	101107	Empowering the Next Generation: The Impact of the POLSA Student Council on Poland's Space Academia Ecosystem (2020–2025)	Poland	E1	IAF Space Education and Outreach Symposium	02/10/2025	14:00-14:10	48

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Alejandro	Hernandez Gonzale	100832	Implementation of winglet structures in high-power experimental rockets for the National Meeting of Space Research and Experimentation (ENMICE) Competition.	Mexico	E2	53rd IAF STUDENT CONFERENCE	02/10/2025	13:50-14:00	50
Ashley	Perez	96547	Design, test, and integration of a wireless telemetry and control system for collegiate liquid propulsion launch vehicles	United States	E2	53rd IAF STUDENT CONFERENCE	02/10/2025	14:00-14:10	50
Peter	Perez	100803	CanSat mission: Design, implementation, and real-time data communication for controlled descent	Peru	E2	53rd IAF STUDENT CONFERENCE	02/10/2025	14:10-14:20	50
Alice	Maddalon	102141	SumTower Project: autonomously adaptive thermal and light control for space agriculture in stratospheric conditions	Italy	E2	53rd IAF STUDENT CONFERENCE	02/10/2025	14:20-14:30	50
Lachlan	Whitehead	97990	Specialised Engineering and Optimisation in High-Powered Student Competition Rocketry	Australia	E2	53rd IAF STUDENT CONFERENCE	02/10/2025	14:30-14:40	50
Lucas	Mitidieri	95242	development of a 3u cubesat satellite dispenser through additive manufacturing in neuquén, argentina	Argentina	E2	53rd IAF STUDENT CONFERENCE	02/10/2025	14:40-14:50	50
Michael	Castle Miller	101270	Lunar Development Cooperative: Transnational Framework for Sustainable Lunar Economy	United States	E3	36th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	02/10/2025	14:20-14:30	51
Jamara	Green	103492	Building the Ground Layer: Local Government's Role in the Future of Space Policy and Innovation	United States	E3	36th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	02/10/2025	14:30-14:40	51
Elizabeth	Cole	101216	Offworld.Voyage: A space analog research project focusing on ecological sustainability & closed loop systems	United States	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	02/10/2025	14:30-14:40	53
Audrey	Medaino-Tardif	103082	From Analog Observation to Digital Participation: Remembering Operation Moonwatch to Establish a Public Engagement Framework for Wildfire Tracking	Canada	E4	59th IAA HISTORY OF ASTRONAUTICS SYMPOSIUM	02/10/2025	13:30-13:40	53
Harry	Espiloy	94546	Star Analog Navigation Device (SAND): A Low-Tech Back-Up Navigation System For Future Lunar Missions	United States	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	02/10/2025	14:20-14:30	53
Abir	Belkhair	97958	HAPTILE – Haptic Assisted Performance for Tactile Interaction in Lunar EVAs	France	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	02/10/2025	14:40-14:50	53
Anay	Ashwin	96360	Implementing indigenous knowledges-informed Extended Reality to Enhance Psychological Resilience in Space R&D and Earth-Based Applications: A Follow-Up Study	Australia	E5	36th IAA SYMPOSIUM ON SPACE AND SOCIETY	02/10/2025	13:30-13:40	54
Natalí	Vigil Martinez	103790	Open innovation for sustainability and inclusion: Accelerating Gender-Informed Space Ventures in Latin America.	Mexico	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	02/10/2025	13:30-13:40	55
Kenza	Tarek	103189	No-Fault Liability Insurance: A Market-Driven Solution for Risk and Investment Stability in Space	Canada	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	02/10/2025	14:40-14:50	55
Katja	Grünfeld	103512	Space Traffic Management 3.0: A New Space Age in Time of Geo-Political Tensions	Slovenia	E9	IAF SYMPOSIUM ON SECURITY, STABILITY AND SUSTAINABILITY OF	02/10/2025	14:10-14:20	56

First Name	Last Name	ID	Title	Country	spName	Symposium	Date	Time	Screen
Sebastian	Tello Adame	97394	The role of satellite constellations in global digitalization: Challenges and opportunities for a connected society	Mexico	E9	IAF SYMPOSIUM ON SECURITY, STABILITY AND SUSTAINABILITY OF	02/10/2025	13:40-13:50	56
Mark	Sturza	98845	Consequences of Cyberattacks on Collision Avoidance Mechanisms	United States	E9	IAF SYMPOSIUM ON SECURITY, STABILITY AND SUSTAINABILITY OF	02/10/2025	13:50-14:00	56
Mila	Spence	99489	Revisiting the Duty to Consult under Article IX OST : Strengthening Existing Law to Facilitate Active Debris Removal	United Kingdom	E9	IAF SYMPOSIUM ON SECURITY, STABILITY AND SUSTAINABILITY OF	02/10/2025	14:00-14:10	56
Arti	Sangar	94510	A Crime is a Crime: Ensuring Legal Consistency across the Cosmos	Australia	E9	IAF SYMPOSIUM ON SECURITY, STABILITY AND SUSTAINABILITY OF	02/10/2025	14:40-14:50	56
Charlotte	Houser	98627	sos! save our satellite: a space debris remediation architecture for low earth orbit	United States	E9	IAF SYMPOSIUM ON SECURITY, STABILITY AND SUSTAINABILITY OF	02/10/2025	13:30-13:40	57
ANA LUCIA	PEGETTI	101653	Establishment of a communication protocol with Brazilian government agencies for disaster management caused by potentially hazardous objects from space: a small step	Brazil	E10	IAF SYMPOSIUM ON PLANETARY DEFENSE AND NEAR-EARTH	02/10/2025	13:40-13:50	57
Shinji	Horiuchi	101131	Southern Hemisphere Asteroid Radar Program (SHARP)	Australia	E10	IAF SYMPOSIUM ON PLANETARY DEFENSE AND NEAR-EARTH	02/10/2025	13:50-14:00	57
Bruno	Nunes Vaz	93989	Fostering a Sustainable Space Ecosystem in Brazil: Insights from Military and Commercial Integration	Brazil	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	02/10/2025	13:30-13:40	59
Zihan	Yin	97538	Mars Lighthouse: an integrated sustainable Mars exploration system based on CO <sub>2</sub> compressed energy storage and intelligent navigation	China	A3	IAF SPACE EXPLORATION SYMPOSIUM	03/10/2025	13:35-13:45	6
JeongWon	Park	99666	preliminary design and manufacture of planetary exploration rovers based on mission scenarios	Korea, Republic of	A3	IAF SPACE EXPLORATION SYMPOSIUM	03/10/2025	13:05-13:15	7
Janghyun	Bae	99665	development of 2-wheel rover test model for lunar cave exploration	Korea, Republic of	A3	IAF SPACE EXPLORATION SYMPOSIUM	03/10/2025	13:05-13:15	8
Saeed	Vahdani	103073	MARS LINK: Multi-Layered Mars Exploration Framework to Support Human Settlement and Resource Utilization	Iran	A3	IAF SPACE EXPLORATION SYMPOSIUM	03/10/2025	13:35-13:45	8
SangRyool	LEE	99556	interplanetary trajectory study and Space Trajectory Demonstrator (STD 1.0) development for deep space exploration	Korea, Republic of	A3	IAF SPACE EXPLORATION SYMPOSIUM	03/10/2025	13:15-13:25	10
Deog-Kwan	Kim	97857	the initial study of Korean Mars drone concept for Mars exploration	Korea, Republic of	A3	IAF SPACE EXPLORATION SYMPOSIUM	03/10/2025	13:35-13:45	10
Dasuni	Hewawasam	101305	Advanced Planetary Protection Measures for Mars and Beyond	Sri Lanka	A3	IAF SPACE EXPLORATION SYMPOSIUM	03/10/2025	13:05-13:15	11
Raghad	Nedal Al-Issa	94636	Manar Gate: Illuminating the Future of Sustainable Lunar Exploration	Jordan	A3	IAF SPACE EXPLORATION SYMPOSIUM	03/10/2025	13:35-13:45	12

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Aidan	Correa	99319	Predictive Framework for Space Debris Trajectory Forecasting and Collision Avoidance	Australia	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	03/10/2025	13:25-13:35	13
Gabriel	Rodrigues	102877	Mathematical Modeling of Multiple-Arm Free-Floating Space Robot for Space Target Detumbling	Brazil	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	03/10/2025	13:35-13:45	14
Aza	Elyamani	102452	Genetic Algorithm-Based Design Optimization of 3D Drag Sails	Egypt	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	03/10/2025	12:45-12:55	16
Masaaki	Kawamura	102342	Institutionalizing Proactive Debris Mitigation: Policy and Technological Imperatives for Embedding PMD (Post Mission Disposal) Devices in Rocket Systems	Japan	A6	23rd IAA SYMPOSIUM ON SPACE DEBRIS	03/10/2025	13:15-13:25	17
Peiran	Mu	98238	Elastic Time Slot Compact Scheduling Method for Multi-Type Observation Tasks in Large-Scale Satellite Constellations	China	B1	IAF EARTH OBSERVATION SYMPOSIUM	03/10/2025	13:15-13:25	20
David	Woodside	101094	Evaluating the Feasibility of Software-Emulated High-Speed Synchronous Communication for Onboard Satellite Systems Using COTS Hardware	Singapore, Republic of	B1	IAF EARTH OBSERVATION SYMPOSIUM	03/10/2025	13:15-13:25	21
Yashar	Hajiyev	99705	Processing satellite images for remote sensing of Earth's surface located objects	Azerbaijan	B1	IAF EARTH OBSERVATION SYMPOSIUM	03/10/2025	13:25-13:35	21
Daniel Estephan	Venturi Calero	99118	Mitigating Spoofing Attacks in Meteorological Nanosatellite Telemetry: A ROS-Gazebo Simulation Approach	Peru	B2	IAF SPACE COMMUNICATIONS AND NAVIGATION	03/10/2025	12:45-12:55	24
Dasuni	Hewawasam	101345	The Role of Modular Space Stations in the Future of Human Spaceflight	Sri Lanka	B3	IAF HUMAN SPACEFLIGHT SYMPOSIUM	03/10/2025	13:25-13:35	25
Daniel	Pagliaricci	101997	A Multi-Stage Deep Neural Network Approach for Angular Pose Estimation in Nanosatellite Capture.	Brazil	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	03/10/2025	13:25-13:35	26
Devansh	Bhatia	101032	Evolvable Bio-Computational Swarms: A Paradigm Shift in Autonomous Deep Space Exploration	India	B4	32nd IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS	03/10/2025	12:45-12:55	27
Joannes Paulus	Hernandez	101735	Data-driven Assistive Robotics in Nursing Care for Analog Mission Application (DARNAA)	United States	B5	IAF SYMPOSIUM ON INTEGRATED APPLICATIONS	03/10/2025	13:35-13:45	27
Shizhen	Li	97502	A Temporal Uncertainty-Oriented Mission Planning Method for Autonomous Deep Space Probes	China	B6	IAF SPACE OPERATIONS SYMPOSIUM	03/10/2025	13:15-13:25	29
Vladislav	Zubko	94151	An analytical geometric approach for determining satellite occultation events	Russian Federation	C1	IAF ASTRODYNAMICS SYMPOSIUM	03/10/2025	13:35-13:45	31
Victor	Soh	100947	Design of Monolithic Imager Payload Mount with Targeted Modal and Damping Characteristics Obtained by Metal Lattice Structures and Unfused AlSi10Mg Metal Powder	Singapore, Republic of	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	03/10/2025	13:15-13:25	32
Jeremy Hanks	Reyes Huaman	103735	Hybrid multilayer thermal insulation design for lunar micro rovers based on silica aerogel	Peru	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	03/10/2025	12:45-12:55	33

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Dasuni	Hewawasam	101344	Self-Heating Materials for Spacecraft and Planetary Habitats: Enhancing Durability and Longevity	Sri Lanka	C2	IAF MATERIALS AND STRUCTURES SYMPOSIUM	03/10/2025	13:15-13:25	34
Abhishek	Risbud	98816	Battery Pack Lifetime Testing Campaigns for Microsatellites	Canada	C3	IAF SPACE POWER SYMPOSIUM	03/10/2025	13:25-13:35	36
Rivaldo Carlos	Duran-Aquino	101706	Atmosphere-Breathing Electric Propulsion (ABEP) to Extend Spacecraft Lifespan in Very-Low Earth Orbits (VLEOs)	Peru	C4	IAF SPACE PROPULSION SYMPOSIUM	03/10/2025	13:35-13:45	37
Keerthana	Srinivasan	102331	Automating Reliability Estimations for Integrated Circuits During Commercial Spaceflight	Canada	D1	IAF SPACE SYSTEMS SYMPOSIUM	03/10/2025	13:25-13:35	41
Jerry	Sellers	98332	Implementing Model-based Design Reviews—Lessons Learned from the FireSAT Nova Project	United States	D1	IAF SPACE SYSTEMS SYMPOSIUM	03/10/2025	12:45-12:55	42
Julia	Low	99402	Grow your food: Using Sensory Play in Space-based Educational Outreach to Understand Children's Eating Behaviours	Australia	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	03/10/2025	12:45-12:55	45
Fidel	Castro Suazo	103814	Design and Development of a Low-Cost Semi-Autonomous Lunar Rover as an Educational Platform for Space Systems Training	Peru	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	03/10/2025	13:35-13:45	46
Dennis	nganga	94779	Bridging the Gap in Space Education and Outreach: A Comparative Analysis of Urban and Rural Schools in Kenya	Kenya	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	03/10/2025	12:45-12:55	47
Giacomo Primo	Sciortino	95605	Space Awareness in Smart Tourism evolution	Italy	E1	IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM	03/10/2025	12:45-12:55	48
Luna	Panei	103048	Italy's leadership in long-term sustainability of outer space: policy, innovation, international cooperation and capacity-building for emerging space nations	Italy	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	03/10/2025	13:25-13:35	48
Mónica	Ortiz Álvarez	96883	Law reform to consider space sciences as an optional subject in upper secondary education levels in the state of Oaxaca-Mexico	United Kingdom	E3	38th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND	03/10/2025	12:55-13:05	49
reetunjai	dutta	103710	Fourth Spaces: Innovating public engagement to unlock inclusive space business models	India	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	03/10/2025	13:35-13:45	49
Isobel	Haddow	103715	a bilateral space industry start up cooperation framework: Australian and European space sector partnerships	Australia	E6	IAF BUSINESSES AND INNOVATION SYMPOSIUM	03/10/2025	12:45-12:55	50
Kenza	Tarek	103172	No-Fault Liability Insurance & Space Sustainability: A Market-Driven Legal Mechanism for Risk Mitigation	Canada	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	03/10/2025	12:55-13:05	52
Franziska	Knur	100774	The Ongoing work of the Working Group on the Status and Application of the Five United Nations Treaties on Outer Space of the COPUOS Legal Subcommittee on the	Germany	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	03/10/2025	13:05-13:15	52
Thomas	Green	100051	Regulatory considerations of Lagrange Points for times of conflict	Australia	E7	IISL COLLOQUIUM ON THE LAW OF OUTER SPACE	03/10/2025	12:45-12:55	52

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Frank Raul	Quintana Quispe	102993	Implementation of a SIEM for the Protection of Confidential Information in Space Industries	Peru	E9	IAF SYMPOSIUM ON SECURITY, STABILITY AND SUSTAINABILITY OF	03/10/2025	13:25-13:35	53
Erik	Kulu	95188	Orbital Terrorism - Low-Cost Feasible Scenarios and Threat Assessments	Estonia	E9	IAF SYMPOSIUM ON SECURITY, STABILITY AND SUSTAINABILITY OF	03/10/2025	12:45-12:55	54
Thomas	Green	103422	Satellite observation techniques as part of an emission trading scheme: review of the Australian Carbon Credits Scheme and emerging governance techniques	Australia	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	03/10/2025	13:35-13:45	54
Ulrike	Nostitz	94881	Ireland's Space Odyssey - the journey and ambition of Ireland's space sector	Ireland	E11	IAF SYMPOSIUM ON EMERGING SPACE ECOSYSTEMS	03/10/2025	13:05-13:15	56