

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Gourav	Mohanan	82063	Exploration of Lunar surface habitats for sustained crewed missions	India	A3	IAF SPACE EXPLORATION	2024-10-15	12:50-13:00	01
Antonella	Ferri	83006	emrs: prototyping a multipurpose rover for the future lunar european missions	Italy	A3	IAF SPACE EXPLORATION	2024-10-15	13:00-13:10	01
Clara	Laforet	89397	EuroMoonMarsPOLand Space Analog Simulation Campaign 2024 : studies on human behaviour combined with human-system interaction	France	A3	IAF SPACE EXPLORATION	2024-10-15	13:10-13:20	01
Jun	Sato	88668	Quick Setup Mechanism for Lunar Base Camp on the Pole / in the Pit	Japan	A3	IAF SPACE EXPLORATION	2024-10-15	13:20-13:30	01
Flavio	Gioia	85359	The GLAMS Project: building a lunar base with 3D printing and "local" materials	Italy	A3	IAF SPACE EXPLORATION	2024-10-15	12:50-13:00	02
John	Lo	85915	a dynamic analysis of wheeled jumping robot for lunar exploration	United Kingdom	A3	IAF SPACE EXPLORATION	2024-10-15	13:00-13:10	02
Vito	Fortunato	82859	DaedalusNAV: A software package to display immersive images of lunar caves	Italy	A3	IAF SPACE EXPLORATION	2024-10-15	13:10-13:20	02
Rogelio	Morales	80955	Lunar-MULE: A Conceptual Mobile Unmanned Loading Elevator Swarm for Lunar Payload Handling	Venezuela	A3	IAF SPACE EXPLORATION	2024-10-15	13:20-13:30	02
Dulce Mavre	Lora Sandoval	88400	importance of the relation between engineering and geology in the design of space exploration missions	Mexico	A3	IAF SPACE EXPLORATION	2024-10-15	12:50-13:00	03
Simone	Fortuna	85199	Enhanced Path Tracking and Maneuvering Strategies for Lunar Rovers	Italy	A3	IAF SPACE EXPLORATION	2024-10-15	13:00-13:10	03
Juliane	Skibbe	87312	Actuator blockage detection in milligravity	Germany	A3	IAF SPACE EXPLORATION	2024-10-15	13:10-13:20	03
Margarita	Belali	91267	Utilizing Computational Modelling to Advance Cislunar ECLSS Strategies: Analyzing Gaps and Exploring Opportunities	Greece	A3	IAF SPACE EXPLORATION	2024-10-15	13:20-13:30	03
Julie	LESPAGNOL	90218	Power usage optimization along the ISRU value chain using a Lunar Rover	France	A3	IAF SPACE EXPLORATION	2024-10-15	12:50-13:00	04
Julie	LESPAGNOL	84255	Rovers and helicopters cooperation for Mars mission in search of the origin of life	France	A3	IAF SPACE EXPLORATION	2024-10-15	13:00-13:10	04
Priyanka	Ghatole	86132	Exploring the Nexus of Asteroid Mining and Pre-biotic Signatures:Toward Sustainable Extra-terrestrial Habitats	India	A3	IAF SPACE EXPLORATION	2024-10-15	13:10-13:20	04
Tatsuya	Nukushina	81530	Evaluation of Required Strength for Lunar Base Construction Materials and Development of Regolith Solidification via Vibrational Compaction	Japan	A3	IAF SPACE EXPLORATION	2024-10-15	13:20-13:30	04
Yiğit	Serçeoğlu	87506	Digital Twin Study of a Controlled Vertical Take-Off and Landing Moon Rocket with Neural Network Integration	Türkiye	A3	IAF SPACE EXPLORATION	2024-10-15	12:50-13:00	05
Cristina	Pavan	85303	High-fidelity dust simulants for long-term toxicological assessment of lunar regolith to support in-situ resource utilization (ISRU)	Italy	A3	IAF SPACE EXPLORATION	2024-10-15	13:00-13:10	05
Victor	Leonov	86010	Analysis of Approaches to Ensure the Return of Cargo Descent Vehicles from the Moon without Heat Shield Destruction	Russian Federation	A3	IAF SPACE EXPLORATION	2024-10-15	13:10-13:20	05
Francesco	Sauro	88713	Lunar Caves: looking below the surface of the Moon for planetary science and human exploration	Italy	A3	IAF SPACE EXPLORATION	2024-10-15	13:20-13:30	05
Alan	Hernández Martínez	86228	hexapod rover for space exploration and space infrastructure	Mexico	A3	IAF SPACE EXPLORATION	2024-10-15	12:50-13:00	06
Mattia	Pugliatti	90442	Design and cases studies of CORTO, an open access \ rendering tool for celestial and artificial bodies	Italy	A3	IAF SPACE EXPLORATION	2024-10-15	13:00-13:10	06

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Alexis Francisco	Sosa Zamora	91127	exploring the benefits of bio-inspired technology for space exploration: a review	Mexico	A3	IAF SPACE EXPLORATION	2024-10-15	13:10-13:20	06
Raewyn	Duvall	88153	Designing and Flying the First University Lunar Rover	United States	A3	IAF SPACE EXPLORATION	2024-10-15	13:20-13:30	06
Jeeyeon	Yoon	84372	Design and Analysis of a Visible/Infrared Optical System with Equivalent Effective Focal Length	Korea, Republic	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	07
Daniela	Drimaco	83910	Finance for a Green Transition: Rheticus Carbon Offset	Italy	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	07
Surya Vaibhav	DVR	90527	optimizing satellite imaging capabilities over indian latitudes: a study on solar declination impact on digital sun sensor field of view	India	B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	07
Andrew	Karim	85549	Spiking Neural Network Design for on-board detection of methane emissions through Neuromorphic Computing	Canada	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	07
Turana	Binnataliyeva	84977	the role of high-resolution satellite images in determining the degree of mineralization	Azerbaijan	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	08
Rogelio	Morales	83057	TÖRÖN I: An Autonomous, Recoverable and Reusable Platform for High-Atmospheric Studies	Venezuela	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	08
Gumru	Sharafkhanova	80853	ADVANCING GLOBAL ENVIRONMENTAL MONITORING: INNOVATIVE STRATEGIES IN EARTH OBSERVATION SYSTEMS	Azerbaijan	B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	08
Cyrille	de Lussy	87739	Domino-E Coverage Service – A Flexible, Smart Automated, Tool for Multi-Mission Federation	France	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	08
Alexandra	Parmentier	87402	HEPD-02 and EFD-02: a key Italian contribution to CSES-02 LEO mission	Italy	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	09
Marc	Herrera	81108	ANALYSIS AND DEFINITION OF AI4EO IN CATALONIA: POLICIES, ECOSYSTEM AND FUTURE	Spain	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	09
Ufuoma	Ovienmhadia	84166	A Geospatial Platform for Observing environmental injustice in U.S. prison landscapes using satellite derived data	United States	B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	09
Andras	Bodrogai	87431	AI-Based Wildfire Risk Assessment from Low-Cost Multispectral Data: Collection, Processing, and Analysis for Sub-6U CubeSat Missions	United Kingdom	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	09
Marco	Pascale	89439	Securing the Future: Exploiting IRIDE Constellation for National Security and Services for the Citizens		B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	10
Mohammed El Amine	Cheriet	83830	Optimizing Star Tracker Placement on Agile Satellites: Mitigating Glare for Enhanced Performance	Algeria	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	10
Dimitra	Stefoudi	90615	Space evidence for humanitarian law and human rights – The findings of the LDE Space Thesis Lab	The Netherlands	B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	10
William	Archer	86338	GO Canada	Canada	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	10
Jirapat	Seangyong	89206	hardware design for deep learning in micro satellite systems: a parallel edge computing approach	Thailand	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	11
David	Harrison	80933	Complex Optical Coatings for Earth Observation	United States	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	11
Neil	Dhingra	88202	Closed-Loop Geospatial Intelligence with Commercial Satellite Imagery	United States	B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	11
Nicos	Spyropoulos	91916	EarthDaily Constellation (EDC) - A Global Daily Change Detection System to Help Understanding our Biosphere's Behavior		B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	11

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Yusif	Imanov	83305	International Cooperation and Business Ventures in Earth Observations	Azerbaijan	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	12
Chahira	Serief	83584	On-orbit Calibration and Radiometric Performance of Alsat-1B Optical Imager over Four Years	Algeria	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	12
Darius	Chitu	81127	Empirical correlations and anomalies between geo-ecological factors and skin cancer incidence rates	Romania	B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	12
Yarne	Beerden	90761	Magnetic Field Measurements Along the Trajectory of the Ariane 6 Maiden Flight Utilizing Quantum Diamond-based Sensors	Belgium	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	12
Bingzan	Liu	82945	A lightweight super-resolution reconstruction method for low-light space target observation images	China	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	13
Sergio	Sosa Calluene	87829	Innovative Web Platform for Real-Time Analysis and Dissemination of GOES-16 Satellite Data: Advances in Earth Observation Systems and Technology	Peru	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	13
Mathilde	Leuridan	81121	Polytope: Extracting Features from Large-Scale Datacubes	Germany	B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	13
Kieron	von Buchstab	91048	CubeSat Constellations for Use in Hurricane Prediction	Canada	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	13
Sona	Guliyeva	83000	Spatiotemporal Analysis of Drought Vulnerability in Azerbaijan through Satellite Data Integration	Italy	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	14
Jan	Chytry	86844	Orbis: Earth Observation mission service for processing raw to analysis-ready data	Czech Republic	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	14
Hélène	SAVATIER-DUPPÉ	88768	Cloud detection with deep neural networks from multitemporal Sentinel-2 imagery		B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	14
Tania	Ramirez-González	81722	Machine learning and satellite data for predictive monitoring of tropical orcas in the Pacific: insights into management strategies	Costa Rica	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	14
Hawraa Alil	Razzaq	90857	HYPSONO web portal	Norway	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	15
Farkhod	Makhmud khuziyev	88707	Change detection method using synthetic aperture radar imagery for detecting constructions in cadastre	Uzbekistan	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	15
Farkhod	Makhmud khuziyev	87900	A method for identifying and monitoring landslides using Sentinel-1 imagery and Permanent Scatterer analysis	Uzbekistan	B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	15
Farkhod	Makhmud khuziyev	87319	Developing an alert system for the detection of post-harvest arson in agricultural lands	Uzbekistan	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	15
Stephanie María	Leitón Ramírez	86059	MOCUPP : Monitoring of Change of Use in Productive Landscapes, as a methodology for crop dynamics surveillance based on earth observations	Costa Rica	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	16
Lingyun	Gu	83801	Two-stream feature fusion strategy for multimodal remote sensing object detection in Earth Observation	China	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	16
Stephanie María	Leitón Ramírez	86078	PRIAS : 20 years of trajectory-building research in Earth observations for Costa Rica and the world	Costa Rica	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	16
Egor	Kasulin	87175	Software for planning research using remote sensing satellites	Russian Federation	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	17
Frederick	Ajjsafe	90768	Estimating methane emissions from metropolitan areas using high resolution satellite imagery to complement the IPCC and Global Protocol for Community Scale (GPC)	United States	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	17
Irina	Sliusareva	88221	Analysis of various methods of processing hyperspectral images from a remote sensing satellite for solving civil tasks	Russian Federation	B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	17

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Allegra	Farrar	88262	Causal Models of Cyclogenesis: An Informed Structural Learning Approach for Efficient Data-driven Inference	United States	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	18
Abdelmajid	Lassakeur	84644	Assessment of the CubeSats Capabilities for High-Resolution Earth Observation Missions	Algeria	B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	19
Andrea	Mazzeo	85264	ueikap: preliminary results of a ship wake detection framework for remote sensing imagery	Italy	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	19
Marc	Crampe	87403	Earth's pulse, city's breath: Leveraging Copernicus Mission Data, Machine Learning guides sustainable urban growth	The Netherlands	B1	IAF EARTH OBSERVATION	2024-10-15	13:10-13:20	20
Jorge	Panagopoulos	87202	Orbit maintenance for a repeating ground track constellation	Portugal	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	20
Valentina	Sacchieri	87677	fostering space exploration: an innovative 3- wavelengths lidar instrument concept for ocean, land and atmosphere expanded scientific measurements		B1	IAF EARTH OBSERVATION	2024-10-15	12:50-13:00	21
Bill	Crandall	85494	A building block approach to satellites and its impact on new configurations and changes in late AI&T	United States	B1	IAF EARTH OBSERVATION	2024-10-15	13:00-13:10	21
Angelo	Espinoza Vallec	83438	A Multi-Sensor Differential Evolution Approach for MEMS Gyroscope Calibration During the SamSat ION Nanosatellite Mission	Russian Federation	B1	IAF EARTH OBSERVATION	2024-10-15	13:20-13:30	21
Laura	Succini	84042	Sustainable Life Beyond Earth. A design driven living lab to create new human experiences in the space habitat		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	12:50-13:00	22
Miroslav	Rozložník	87853	Tool for real-time monitoring and analysis of the exercise in the ICE environment	Czech Republic	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:00-13:10	22
Javier	Alonso Garcia	84245	Towards efficient space transportation: exploring Lunar kinetic launch systems		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:10-13:20	22
Matej	Poliacek	91133	Overview of activities conducted during the NIKE-I Analog Mission in the LunAres Habitat	Slovak Republic	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:20-13:30	22
Irene	Di Giulio	84652	Space for all. Preliminary considerations for accessible missions.	United Kingdom	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	12:50-13:00	23
Mark	Hempsell	86742	HELIOS - Human Exploration Launch and In-Orbit Support Infrastructure: A Concept Study	United Kingdom	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:00-13:10	23
ZiYue	Zhao	87541	Inherent sensing method of inchworm-inspired soft robot for space station tubular inspection	China	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:10-13:20	23
Shawna	Pandya	91885	Microgravity as the Next Great Science Laboratory: Enabling the Next Generation of Research Astronauts Through Suborbital Flight		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:20-13:30	23
Matthew	Ziglar	84351	Comparing Metallic, Inflatable, and Composite Habitat Primary Structure Modules		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	12:50-13:00	24
Erik	Seedhouse	80814	Physiological and task loading evaluation of citizen astronauts performing side hatch ingress of an Orion mock-up and life raft ingress	United States	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:00-13:10	24
Charlotte	Pouwels	90924	Advancing Analogue Space Suit Technology: The Design of the ICEE Suit		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:10-13:20	24
Karin	Yoshino	83400	Measurement of changes in behavior and vital sign due to lighting in a limited space		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:20-13:30	24
Florian	Saling	83991	Testing and validation of innovative eXtended Reality technologies for astronaut training in a partial-gravity parabolic flight campaign	Germany	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	12:50-13:00	25
Arwa	Bin tareef	83896	Innovative Anti-Fogging System for Spacesuits: Enhancing Visibility and Safety in Challenging Environments	Jordan	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:00-13:10	25

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Jimmy	Wu	91722	Enhanced eXploration Platforms and ANalog Definition (EXPAND) Essential Measures Protocol for Commercial Spaceflight Biomedical Research		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:10-13:20	25
Kai	Staats	87866	A Reduced Gravity Simulator at the Space Analog for the Moon & Mars (SAM) terrestrial habitat analog: Biosphere 2		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:20-13:30	25
Elena	López-Contreras	82037	Web-interface for rover teleoperation to investigate the impact of extreme environments		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	12:50-13:00	26
Kavya	Murali Parthasarath	91579	Oxytocin's Role in Space Team Dynamics and Cognition: A Neuroeconomic Perspective		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:00-13:10	26
Aagam	Jain	88172	Innovative Sustainable Construction for Mars Colonization through In-Situ Resource Utilization (ISRU)	India	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:10-13:20	26
Natausha	Chohan	82965	Advanced Laundry System for Microgravity Environments	United States	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:20-13:30	26
Francesco	Sauro	86963	ESA PANGAEA: a European Contribution to Training Astronauts in Planetary Geology	Italy	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	12:50-13:00	27
Suquan	Ding	84583	Modeling and Optimizations of Flight Scheme for China Manned Lunar Exploration Mission Using MRSE Integrated Simulations		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:00-13:10	27
Rowan	Moorkens O'Reilly	84396	Tandem System for Future Commercial ExtraVehicular Activity	France	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:10-13:20	27
Kiran	Mankame	84375	Critical Analysis of Mobility and Safety Challenges in Contemporary Space Suit Design		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:20-13:30	27
Oscar	Ojeda	90178	Areas of opportunity for incorporation of Artificial Intelligence applications to deep space human spaceflight		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	12:50-13:00	28
Ke	Ma	84966	Design and Sensing of a Bionic Soft Robotic Arm for Improved Services and Maintenance in the Space Station Cabin	China	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:00-13:10	28
Stefano	Ellero	88656	Advancements in Waste Management for Sustainable Human Spaceflight Missions		B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:10-13:20	28
Hernan David	Mateus Jimenez	82450	Design and manufacture of a hard shoulder joint for the NDX-4 space suit	United States	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	12:50-13:00	29
Diego	Cagna	89305	Lightweight Space Seat and Seatbelts for Crew	Italy	B3	IAF HUMAN SPACEFLIGHT	2024-10-15	13:00-13:10	29
Roberto	Carlino	91683	Unveiling Lessons from Building and Operating Next-Generation Solar Sail Technology: NASA's ACS2 Mission		B4	31st IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	30
Leon	Lukaschek	90375	Algorithmic Center of Rotation to Center of Mass Offset Estimation of a Spherical Air-breathing Attitude Simulator	Germany	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:00-13:10	30
ALPER	ŞANLI	84342	Increasing Imaging Efficiency with Moving Flat Mirror Method in Small Satellite Missions	Türkiye	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	30
Sidhant	Kumar	90085	WildTrackCube-SIMBA CubeSat Attitude Determination and Control Flight Data Analysis	Italy	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	30
Mahhad	Nayyer	89123	Optimizing SmallSat Constellation for Enhanced STM in LEO		B4	31st IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	31
Alessio	Bocci	88648	New CubeSat Missions for a Novel Understanding of MM-Sized Space Debris	Norway	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:00-13:10	31
Jonathan	Hertel	85467	Power optimized Langmuir-Multiprobe-Instrument for the E.T.Pack-F Deorbit Mission	Germany	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	31

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Yoichi	Yatsu	87556	PETREL: a satellite-sharing of academia-industrial consortium	Japan	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	31
Wilhelm	Kristianse	90261	Software-defined radio design for ultra-high frequency interference measurements and communication in student CubeSat	Norway	B4	31st IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	32
Hamid	Jalalian Javadpour	91321	Sustainable Technology Management for Permanent Satellite Platforms: Enhancing Cargo Delivery Efficiency and Beyond	Norway	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:00-13:10	32
Yasmin	Avelino	85795	Analysis of the Influence of Gravity-Gradient Torque on Power Generation in the CubeSat Standard	Brazil	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	32
Renato	Borges	91235	Perception data system for satellite monitoring of strategic assets	Brazil	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	32
Guangwei	Wen	87794	evidence of spacecraft drag coefficient variation by q-sat precise orbit determination data and numerical simulation	China	B4	31st IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	33
Karthik R	Varma	86596	Constraints and Challenges in Guidance, Navigation and Control Architectures for Beyond Earth Orbit CubeSat Missions	India	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:00-13:10	33
Snehadee	Kumar	83765	SABHASAT: A GAMMA RAY BURSTS DETECTING CUBESAT	India	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	33
You gwang	KIM	82026	Methodological study on establishing a constellation operational plan for microsatellites using reliability and availability analysis considering failure factors in space launch and	Korea, Republic	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	33
Vittorio	Franzese	83886	Technologies of the POQUITO pico-satellite mission: the first PocketQube of the University of Luxembourg	Luxembourg	B4	31st IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	34
Mohammed Irfan	Rashed	80838	Adaptive and Consistent Risk Assessment and Utility of Near-earth Objects using Autonomous Hybrid Small Satellite Constellations	Korea, Republic	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:00-13:10	34
Erick Villa	Okeyo	81318	leveraging satellite communication technology to enhance fish production	Kenya	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	34
Noppakao	Boonnun	86542	Scalability and Simplicity: Enhancing Satellite Software Framework with Register-Based Techniques for A CubeSat	Thailand	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	34
Yuma	Sato	89936	autonomous operations planning method for micro/nano satellites focusing on realistic power constraints	Japan	B4	31st IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	35
Jens	Eickhoff	90207	F-Series: A Generic Development Kit for Intelligent Mini and Small Satellites	Germany	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:00-13:10	35
Katharina- Inés	Janisch	83861	Detection and tracking of space debris in Cislunar environment - a phase 0 mission design	Lithuania	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	35
Muhamma d Taha	Ansari	85847	Analyzing the Capability of Different Passive Control Techniques to Achieve Attitude Stabilization for Small Satellite Missions	United Arab	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	35
Chiara	Lughi	84569	revolutionizing spacecraft data exchange: an advanced NFC-based communication system for small satellites	Italy	B4	31st IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	36
Zhengqing	Fang	83943	Multi-Target Continuous Coverage Constellation Using Low-Thrust Reconfiguration Strategy	China	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:00-13:10	36
Hirota	Sekine	84438	Attitude Planning for a Time Delay Integral mission of a 6U CubeSat ONGLAISAT	Japan	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	36
João Victor	Moreira	82749	Power and Link Budget Analysis of a Low Earth Orbit Student Cubesat for Detection of Lightning Discharges	Brazil	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	36
Supriya	Chakrabarti	81349	A new nanosat format for education: Design details and Status report	United States	B4	31st IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	37

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Belen	Lopez Pardo	84898	SmallSats in Deep Space: Time-varying mission profiles to inform future technology development	United Kingdom	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:00-13:10	37
Nataly Andrea	Rojas Barnett	83410	Small photosynthetic satellites for the conceptual validation of their potential to ensure sustainable long term space exploration	Peru	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:10-13:20	37
Yun	Xu	85210	Modelling of Relative Motion Constraint for Mega Constellations under Minimum Coverage Multiplicity Requirement	China	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:20-13:30	37
Dario	Scilla	84123	ArabiaEye: Enhancing Earth Observation Missions with a Novel Small Satellite Constellation and Advanced Data Fusion Techniques - A Case Study on Oil Spill Detection		B4	31st IAA SYMPOSIUM ON 15	2024-10-15	12:50-13:00	38
Shuo	Mu	83792	neural network-based magnetometer calibration and attitude determination for magnetic-device based small satellites	China	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:00-13:10	38
MUJUNI	EDGAR	81847	ground station network architecture for scheduled remote operations of birds bus cubesats in partner countries	Japan	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:10-13:20	38
Roberto David	Aleman Ramos	86399	Design, Standardization and Simulation of a CubeSat Nanosatellite Transporter for Pico-Landers to Moon's Orbit		B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:20-13:30	38
Cadence	Payne	83374	Nanosatellite-Based Hyperspectral Imaging Performance Modeling for Ocean Color Detection	United States	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	12:50-13:00	39
Gabriel Jose	Gutierrez	87159	Eclipsing Boundaries: MiniCOR CubeSat Design for Next-Generation Solar Observation		B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:00-13:10	39
Hilel	Rubinstein	83310	The Gamma-ray bursts localization instrument (GALI) onboard NovaSAT - mission concept and design	Israel	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:10-13:20	39
Tiancheng	Chai	87357	communication topology generation algorithm for orbital containment control of large-scale micro satellite cluster	China	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:20-13:30	39
Gianluca	Coppa	83855	Image simulation and processing for time and phase synchronization in spaceborne Distributed Synthetic Aperture Radar	Italy	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	12:50-13:00	40
Tobias	Herbst	87877	6U+ CubeSat SONATE-2: Operation of an Optical AI Payload in Low Earth Orbit	Germany	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:00-13:10	40
Yousif	El-Wichahy	90716	implementing low-cost ADCS for 1u cubesat: insights from aleasat	Canada	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:10-13:20	40
Marc	Ortega Plavà	89378	GENEO-02: A low-Earth orbit small satellite mission to provide Earth Observation, Internet of Things satellite data services and to demonstrate technology in orbit		B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:20-13:30	40
Michela	Boscia	90310	Mapping Lunar Transient Phenomena with a CubeSat Constellation: MOTHS mission concept and design		B4	31st IAA SYMPOSIUM ON 15	2024-10-15	12:50-13:00	41
Abigail	Sanchez Gonzalez	81413	Design of a scientific experiment aboard a 3U CubeSat for the detection of pollutant particles using infrared spectrometry	Mexico	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:00-13:10	41
Rado	Pitonak	88257	On-board Data Processing System for Hyperspectral EO CubeSat mission	Czech Republic	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:10-13:20	41
Axel	Núñez Arzola	81026	Real time estimation of PM 2.5 in Mexico City, using IOT, a network of ground stations using LoRa, with integration of satellite data and Artificial Intelligence	Mexico	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:20-13:30	41
Alessandro	Morselli	86610	The ALCOR mission FUTURE: an in-orbit demonstrator for on-board fully autonomous vision based navigation	Italy	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	12:50-13:00	42
Stefano	Carletta	83842	BOREALIS: A Multidisciplinary CubeSat Mission to Investigate Biofilm Radioprotection and Particle Interaction in Space	Italy	B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:00-13:10	42
Elise	Wright Knutson	85139	University of Oslo CENSSAT-1 mission concept		B4	31st IAA SYMPOSIUM ON 15	2024-10-15	13:10-13:20	42

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Daniel	Wischert	90176	YPSat: ESA's Young Professional Satellite for the Inaugural Flight of Ariane 6	The Netherlands	B4	31st IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	42
Riccardo	Maderna	81372	A complete ground and flight software ecosystem for operations of autonomous satellites		B6	IAF SPACE OPERATIONS	2024-10-15	12:50-13:00	43
Francesco	Corallo	85253	Machine Learning-based Spacecraft Sensors Reconstruction using Flight Telemetry data	Italy	B6	IAF SPACE OPERATIONS	2024-10-15	13:00-13:10	43
Jianqiang	Tang	89478	Space-Ground TT&C Resources Integrated Scheduling for Space Station Tasks	China	B6	IAF SPACE OPERATIONS	2024-10-15	13:10-13:20	43
Shun	Katsube	89171	proposal of health monitoring method using satellite health map based on feature representation	Japan	B6	IAF SPACE OPERATIONS	2024-10-15	13:20-13:30	43
Tarana	Karimova	91779	Enhancing Space Weather Forecasting with Deep Learning: Improved Prediction of Solar Activity Effects on Satellite Operations and Communication Systems		B6	IAF SPACE OPERATIONS	2024-10-15	12:50-13:00	44
Karin	Kruise	90238	Advancing Planetary Rover Mobility: Terramechanics Wheel-terrain Modeling in a Real-time Simulation Framework	Estonia	B6	IAF SPACE OPERATIONS	2024-10-15	13:00-13:10	44
Lucio	Pinello	85091	Enhancing Space Systems Integrity: a comparison of telemetry-based approaches for satellite PHM	Italy	B6	IAF SPACE OPERATIONS	2024-10-15	13:10-13:20	44
Michael	Schmidhuber	85521	Outside the Box – Space Training Programmes of GSOC		B6	IAF SPACE OPERATIONS	2024-10-15	13:20-13:30	44
Pablo	Gomez	86834	Machine learning-driven Anomaly Detection and Forecasting for Euclid Space Telescope Operations	Spain	B6	IAF SPACE OPERATIONS	2024-10-15	12:50-13:00	45
Aobo	Yang	82954	Large-scale Satellite Constellations Operations Anomaly Detection with Graph Neural Networks		B6	IAF SPACE OPERATIONS	2024-10-15	13:00-13:10	45
Pudong	Liu	83574	Motion Planning Strategy for Reactive Space Robot Based on Sampling Model Predictive Control	China	B6	IAF SPACE OPERATIONS	2024-10-15	13:10-13:20	45
Mitchell	Kurnell	82757	Optimal Robotic Arm Design Framework for On-Orbit Servicing	Canada	B6	IAF SPACE OPERATIONS	2024-10-15	13:20-13:30	45
Liming	Wu	86180	Parametric assembly skill acquisition method for space robots utilizing deep reinforcement learning	China	B6	IAF SPACE OPERATIONS	2024-10-15	12:50-13:00	46
Ralph	Ewig	81010	Informing Space Operations: A Broadcast Network for Cooperative Traffic Management and Zero-Cap Telemetry	United States	B6	IAF SPACE OPERATIONS	2024-10-15	13:00-13:10	46
Cameron	Rough	91661	Designing a Mobile Robotic System for Low-Cost, High-Accuracy Planetary Science		B6	IAF SPACE OPERATIONS	2024-10-15	13:10-13:20	46
Denis Michael	Acker	87597	Rehearsing the Script Before the IOD Premiere: An Overview of ROMEO's Simulator for efficient real-time system verification	Germany	B6	IAF SPACE OPERATIONS	2024-10-15	13:20-13:30	46
Sachika	Takeshita	83849	application of model-based systems engineering (mbse) to spacecraft operation design phase	Japan	B6	IAF SPACE OPERATIONS	2024-10-15	12:50-13:00	47
Alessandro	Ardito	88180	OFF-A: software offline correlator for antenna array	Italy	B6	IAF SPACE OPERATIONS	2024-10-15	13:00-13:10	47
Alexandru	Solomon	85996	Collision Avoidance and Return Manoeuvre Optimisation for Low-Thrust Satellites using Reinforcement Learning	Romania	B6	IAF SPACE OPERATIONS	2024-10-15	13:10-13:20	47
Emily	Apollonio	81997	Fostering Safety Culture: An Anonymous Safety Reporting Program for Space Analog Missions	United States	B6	IAF SPACE OPERATIONS	2024-10-15	13:20-13:30	47
Alistair	McLean	91786	Software-defined satellite constellation network management in the cloud		B6	IAF SPACE OPERATIONS	2024-10-15	12:50-13:00	48

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Hye-Won	Kim	86617	The fully automated ground system of mission planning for geostationary satellite		B6	IAF SPACE OPERATIONS	2024-10-15	13:00-13:10	48
Conall	de Paor	87713	An Innovative Responsive Space System for Rapid Strategic Asset Replacement	France	B6	IAF SPACE OPERATIONS	2024-10-15	13:10-13:20	48
Rachit	Bhatia	88080	Novel space operations tool for orbital drag estimation and forecasting using multi-sensor tracking data	United States	B6	IAF SPACE OPERATIONS	2024-10-15	13:20-13:30	48
Raffaele	Bua	84772	Satellite-driven contact scheduling for automatic, agile and efficient communication	Italy	B6	IAF SPACE OPERATIONS	2024-10-15	12:50-13:00	49
Gabriele	De Canio	88661	Intelligent root-cause investigation and AI-assisted handling tool for flight control teams	Germany	B6	IAF SPACE OPERATIONS	2024-10-15	13:10-13:20	49
Gabriele	De Canio	88664	Artificial Intelligence-based short-term satellite health forecasting	Germany	B6	IAF SPACE OPERATIONS	2024-10-15	13:20-13:30	49
Youeyun	Jung	81179	building a digital twin platform; from space missions operations to space traffic management	Korea, Republic	B6	IAF SPACE OPERATIONS	2024-10-15	12:50-13:00	50
David	Barnhart	81526	Enabling Safe Efficient Rendezvous: The value of Cooperative and Communicative RPO	United States	B6	IAF SPACE OPERATIONS	2024-10-15	13:00-13:10	50
Thomas	Durbin	91286	In-Orbit Demonstration of a Micro Control Moment Gyroscope for Enhanced Spacecraft Agility	Belgium	B6	IAF SPACE OPERATIONS	2024-10-15	13:10-13:20	50
Daniel	Lakey	83312	Reviving Solar Orbiter's Memory and Sun-Sensing Capabilities: A Case of Innovative Onboard Problem Solving		B6	IAF SPACE OPERATIONS	2024-10-15	13:20-13:30	50
Andrea	Marrazza	85892	Trajectory Optimization for Jovian Moon Exploration using Single and Multi-Objective Beam Search	France	C1	IAF ASTRODYNAMICS	2024-10-15	12:50-13:00	51
Robert	Magner	91697	On-Orbit Guidance, Navigation, and Control Performance for a Closed-Chain Robotic Manipulator		C1	IAF ASTRODYNAMICS	2024-10-15	13:00-13:10	51
Edward	Tomanek-Volynets	83957	Multi-target space mission sequence optimization with deep reinforcement learning	United Kingdom	C1	IAF ASTRODYNAMICS	2024-10-15	13:10-13:20	51
Shota	Ito	88186	Study on Resonant Flyby Trajectory Design \Using Symbolic Regression in CRTBP		C1	IAF ASTRODYNAMICS	2024-10-15	13:20-13:30	51
Tirza Ohana	Berger de Souza	85715	Methodology and Dedicated Software Development to Provide Passive Magnetic Attitude Control for CubeSats	Russian Federation	C1	IAF ASTRODYNAMICS	2024-10-15	12:50-13:00	52
David	Schwab	88444	Defining Admissible Maneuvers and Resulting Reachability Sets in the Three-Body Problem using Hamiltonian Normal Form Methods		C1	IAF ASTRODYNAMICS	2024-10-15	13:00-13:10	52
Junji	Kikuchi	86593	Analysis of Transfer Trajectory from NRHO to Lunar Orbit of Various Inclination for Gateway Release Mission	Japan	C1	IAF ASTRODYNAMICS	2024-10-15	13:10-13:20	52
Takashi	Maruyama	86187	Generalized Precise Orbit Prediction of LEO Satellites via Physics Informed Machine Learning		C1	IAF ASTRODYNAMICS	2024-10-15	13:20-13:30	52
Matthew	Bolliger	87508	Safe Short-Term Loitering in Gateway's Near Rectilinear Halo Orbit	United States	C1	IAF ASTRODYNAMICS	2024-10-15	12:50-13:00	53
Danilo	Zona	87184	Optimal low-thrust trajectory approximation via singular perturbation theory	Italy	C1	IAF ASTRODYNAMICS	2024-10-15	13:00-13:10	53
Grant	Hecht	85943	Automated Computation of Optimal Spiral Trajectories in the Circular Restricted Three-Body Problem	United States	C1	IAF ASTRODYNAMICS	2024-10-15	13:10-13:20	53
Sui	Chen	83073	Orbit determination for X-ray pulsar navigation with the aid of artificial neural networks	Italy	C1	IAF ASTRODYNAMICS	2024-10-15	13:20-13:30	53

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Andrea	Colagrossi	91025	Autonomous Fault Management in Attitude Determination and Control Subsystems: Hardware and Processor in the Loop Testing		C1	IAF ASTRODYNAMICS	2024-10-15	12:50-13:00	54
Tobia Armando	La Marca	89297	Robust Attitude Control for Space Target Pointing in Proximity Operations		C1	IAF ASTRODYNAMICS	2024-10-15	13:00-13:10	54
Takayuki	Shihara	86980	Semi-Analytical Approach for Lunar Capture under Solar Gravity Perturbation in the Elliptic Restricted Three-Body Problem		C1	IAF ASTRODYNAMICS	2024-10-15	13:10-13:20	54
Ozeki	Yusaku	83456	Applying Fictitious Reference Iterative Tuning to Quaternion Feedback and Quantitative Evaluation	Japan	C1	IAF ASTRODYNAMICS	2024-10-15	13:20-13:30	54
Diana	Giorgini	84643	characterization and simulation of advanced coatings for space applications	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	12:50-13:00	55
Alejandro	Riaño	89954	subsystems of a rover framed within the human exploration rover challenge 2022 hosted by nasa	Colombia	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:00-13:10	55
Franco Maria	Di Russo	89657	Improved thermal dissipation through additive manufactured composite conductive polymer elements - A Structural and Thermal Model for CubeSat applications	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:10-13:20	55
Ahmed E. S	NOSSEIR	90365	Design and Prototyping of a Smart Propellant Tank for Spacecraft	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:20-13:30	55
Surya Vaibhav	DVR	90458	design and development of primary structure for a 3u student satellite	India	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	12:50-13:00	56
Francesca	Bracaglia	88850	Nonlinear thermo-elastic analysis of laminated composite structures for spacecraft	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:00-13:10	56
Francesca	Blondelli	85268	Polyimide-based materials with self-healing properties for lunar exploration missions	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:10-13:20	56
Hiroaki	Matsubara	82967	Feasibility Evaluation of the Scissor Petal Reflector Concept		C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:20-13:30	56
Dominik	Pridoehl	81203	Engineering Challenges in Structural Design and Analysis of Lightweight Superconducting Magnets for Space Applications	Germany	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	12:50-13:00	57
Melek	Baghirova	85754	methods of protecting spacecraft and astronauts from radiation	Azerbaijan	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:00-13:10	57
Leonardo Bruno	Ramirez Pedraza	84412	Monitoring of fin flutter in a composite material based on natural fibers.	Mexico	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:10-13:20	57
Kikuko	Miyata	89507	Mass-Efficient Temperature Stabilization Device Design for NanoSat System and its Implementation	Japan	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:20-13:30	57
You gwang	KIM	81548	study for characteristic evaluation of the parylene conformal coating under the integrated space environments	Korea, Republic	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	12:50-13:00	58
Yuta	Sunaga	86359	Stress Analysis on Deployment of CFRP Bistable Boom under the Environment on the Moon	Japan	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:00-13:10	58
Rebecca	Masia	84095	Detailed thermal stresses and free-edge effects analysis of SSPS antenna panel	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:10-13:20	58
Hae Won	Jang	84591	Static Structural Test and Analysis of Aluminum Skin Stringer Panels at Increased Rivet Spacing	Korea, Republic	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:20-13:30	58
Federica	Portis	90395	Evaluating Reduced-Order Methods for hypersonic vehicle aerodynamics	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	12:50-13:00	59
Giuseppe	Ventura	84875	Modular Androgynous Standard Interface: A versatile solution for On-Orbit Servicing	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:00-13:10	59

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Shouya	Yamashita	86429	Buckling behavior of CFRP bistable open-section boom under various fixed cross-sections and load directions	Japan	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:10-13:20	59
Andrea	Cambiaghi	83227	The influence of the vibration test facility in the resonance frequencies measured on a satellite structure, introducing facility mechanical impedance in FEA and facility	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:20-13:30	59
Kristina	Andreyeva	91588	STARFISH: A Soft Bioinspired Robot Actuated by Shape-Memory Alloy Wires for On-Orbit Mapping and Manipulation		C2	IAF MATERIALS AND STRUCTURES	2024-10-15	12:50-13:00	60
Furkan	Ozdemir	83487	Investigation of thermal stability of a High-Strength & Corrosion-Resistant Nanocrystalline Aluminum Alloy	Türkiye	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:00-13:10	60
Kevin Stib	Cardenas Becales	89944	Design of an adaptive control algorithm with artificial neural network for optimizing the multi-blade airbrake in a high-power rocket	Peru	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:10-13:20	60
Seung Chan	Lee	83159	Assembly of Launch Vehicle and Payload Models with Localized Lagrange Multiplier for Coupled Load Analysis	Korea, Republic	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:20-13:30	60
Ricardo	Calle	86405	A PLANETARY GEAR MECHANISM FOR A COMPETITION ROCKET SEPARATION SYSTEM	Peru	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	12:50-13:00	61
Yuto	Nakagawa	86307	Behavior Analysis of Free Space Capture for Inter-Spacecraft Material Transfer	Japan	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:00-13:10	61
Andrea	Troise	90607	Design and development of a Mechanical Ground Support Equipment for a radially Opening origami structure in aerospace applications	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:10-13:20	61
Tommaso	Sironi	88807	Numerical transient model for thermomechanical fatigue investigation in metamaterials	Italy	C2	IAF MATERIALS AND STRUCTURES	2024-10-15	13:20-13:30	61
Alvaro	Bermudez	82139	Design and evaluation of a small scale liquid rocket engine using pineapple's waste	Costa Rica	C4	IAF SPACE PROPULSION	2024-10-15	12:50-13:00	62
Mousa	Aqailan	89340	INVESTIGATION INTO THE SUITABLE INJECTOR TYPES FOR SMALL-SCALE GASEOUS THRUST CHAMBERS	United Arab	C4	IAF SPACE PROPULSION	2024-10-15	13:00-13:10	62
Dae Hwan	Kim	85540	Dynamic combustion characteristics of the GOX/GCH4 pintle model combustor with different sizes of the mantle recirculation zone	Korea, Republic	C4	IAF SPACE PROPULSION	2024-10-15	13:10-13:20	62
Hudson	Pastuszko	91639	Supercavitating Liquid Oxygen and JET-A Pump Analysis for a 35 KN Rocket Engine Turbopump		C4	IAF SPACE PROPULSION	2024-10-15	13:20-13:30	62
Marcos	Fernandez-Tous	85584	Propulsion systems for Mars mission: alternatives and opportunities	United States	C4	IAF SPACE PROPULSION	2024-10-15	12:50-13:00	63
Alessandro	Battegazzo	91185	Rapid iterative design of a cost-effective e-pump for a liquid-fuelled reusable sounding rocket: a comprehensive approach to in-house design, manufacturing and testing	The Netherlands	C4	IAF SPACE PROPULSION	2024-10-15	13:00-13:10	63
Andrea	Montaini	89131	Optimization study of an upper stage based on an e-pump-fed engine	Italy	C4	IAF SPACE PROPULSION	2024-10-15	13:10-13:20	63
Aneta	Krawiec	83824	Energetic co-crystals containing ammonium nitrate obtained by solvent method as an alternative to solid rocket fuels based on perchlorates	Poland	C4	IAF SPACE PROPULSION	2024-10-15	13:20-13:30	63
Marek	Dzik	85933	Swirl injectors in hybrid rocket engine - design, parameters validation and applicability in a N2O/ARS hybrid rocket booster	Poland	C4	IAF SPACE PROPULSION	2024-10-15	12:50-13:00	64
Michał	Kret	82441	Design and structural analysis of low-cost modular rocket engine test stand.	Poland	C4	IAF SPACE PROPULSION	2024-10-15	13:00-13:10	64
Michał	Kret	82444	design of dual-bell nozzle specified for the second stage engine of students' designed sounding rocket	Poland	C4	IAF SPACE PROPULSION	2024-10-15	13:10-13:20	64
Olgiard	Skromak	83350	Development and validation of rocket motor simulation software	Poland	C4	IAF SPACE PROPULSION	2024-10-15	13:20-13:30	64

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Alejandro	Guerra Mentrui	90191	Enhancing Reliability in European Rocket Engines: The GTD Approach to Engine Test Bench Control and Monitoring at DLR Lampoldshausen	Spain	C4	IAF SPACE PROPULSION	2024-10-15	12:50-13:00	65
Rachid	Amrousse	81249	Thermal Decomposition of Hydrogen Peroxide (H2O2) in the Lab-scale for Space Applications	Morocco	C4	IAF SPACE PROPULSION	2024-10-15	13:00-13:10	65
Marco	Cárdenas Aldaco	83675	design and cfd analysis of a hypersonic inlet and hydrogen combustion for a scramjet engine at mach 7	Mexico	C4	IAF SPACE PROPULSION	2024-10-15	13:10-13:20	65
Daniel	Clayton	81869	A Methodology and Demonstration for Preliminary Tier Determination Analyses		C4	IAF SPACE PROPULSION	2024-10-15	13:20-13:30	65
JANGHWA N	LEE	82031	development of subcooled liquid oxygen system for liquid rocket engine	Korea, Republic	C4	IAF SPACE PROPULSION	2024-10-15	12:50-13:00	66
Oleksandr	Aksonov	82564	Analysis of the nozzle impact on the characteristics of the pulse detonation engine	Ukraine	C4	IAF SPACE PROPULSION	2024-10-15	13:00-13:10	66
Colum	Walter	87718	Plume characterization of a magnetic nozzle thruster by two-dimensional laser-induced fluorescence measurements	Germany	C4	IAF SPACE PROPULSION	2024-10-15	13:10-13:20	66
Rachid	Amrousse	81178	Decomposition mechanism of ammonium dinitramide: a sustainable energetic molecule for green propellant technologies	Morocco	C4	IAF SPACE PROPULSION	2024-10-15	13:20-13:30	66
Hyunjun	Kim	85047	Research on cryogenic line chill-down process of industrial Teflon coated piping	Korea, Republic	C4	IAF SPACE PROPULSION	2024-10-15	12:50-13:00	67
Thamiris	Thomazini Libard	82469	Computational Simulation of Neutral Gas Dynamics in the CubeSat Ambipolar Thruster	Brazil	C4	IAF SPACE PROPULSION	2024-10-15	13:00-13:10	67
Jeongmoo	Huh	88727	Decomposition characteristics of hydrogen peroxide by external heat source in small scale monopropellant thrusters	United Arab	C4	IAF SPACE PROPULSION	2024-10-15	13:10-13:20	67
Jeongmoo	Huh	88779	Performance testing of small scale resistojet thruster with 3D printed heat exchanger	United Arab	C4	IAF SPACE PROPULSION	2024-10-15	13:20-13:30	67
YOONHO	SONG	84614	Conceptual Design and Fabrication of 400 N-class Multi-hole Pintle GCH4/LOx Injector	Korea, Republic	C4	IAF SPACE PROPULSION	2024-10-15	12:50-13:00	68
Vincent	Ugolini	86744	optical visualization of fuel injector with flat spray nozzle of throttling test during H2O2/kerosene bipropellant thruster	Korea, Republic	C4	IAF SPACE PROPULSION	2024-10-15	13:20-13:30	68
Jeongmoo	Huh	87694	Effect of manufacturing parameters on tungsten microstructures as an emitter for FEED thrusters	United Arab	C4	IAF SPACE PROPULSION	2024-10-15	12:50-13:00	69
Jeongmoo	Huh	88699	Systemisation and Performance Testing of Field Emission Electric Propulsion Thruster using Gallium as Propellant	United Arab	C4	IAF SPACE PROPULSION	2024-10-15	13:00-13:10	69
Kyun Ho	Lee	82774	Introduction of Field Emission Electric Propulsion Research in Republic of Korea	Korea, Republic	C4	IAF SPACE PROPULSION	2024-10-15	13:10-13:20	69
Pierre-Baptiste	LAMBERT	81755	Faster, better, cheaper: the Flight SoftWare answer	France	D1	IAF SPACE SYSTEMS	2024-10-15	12:50-13:00	70
Alessandr	Tinucci	85237	Orbital Maneuvering Optimization Techniques for Cooperative Formation Flight and Collision Avoidance through Decentralized Algorithms	Germany	D1	IAF SPACE SYSTEMS	2024-10-15	13:00-13:10	70
Giovanni	Lavezzi	87432	Towards a General 3D Model for Novel View Synthesis of Space Objects	United States	D1	IAF SPACE SYSTEMS	2024-10-15	13:10-13:20	70
Seok-Bae	SEO	84129	development and application of bmdx file analysis software for 1553b bus communications		D1	IAF SPACE SYSTEMS	2024-10-15	13:20-13:30	70
Aysha	Alharam	84179	A LOW-COST STAR TRACKER SYSTEM WITH HIGH ACCURACY FOR NANOSATELLITES APPLICATIONS	Bahrain	D1	IAF SPACE SYSTEMS	2024-10-15	12:50-13:00	71

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Rodrigo	Schmitt	83370	X-SMART: Explainable Space Mission Architectures for Research on Trade-offs		D1	IAF SPACE SYSTEMS	2024-10-15	13:00-13:10	71
Alessandro	Aimasso	85920	Smart monitoring of systems thermal properties through optical fiber sensors and augmented reality	Italy	D1	IAF SPACE SYSTEMS	2024-10-15	13:10-13:20	71
Mark	Stephenson	81185	BSK-RL: Modular, High-Fidelity Reinforcement Learning Environments for Spacecraft Tasking		D1	IAF SPACE SYSTEMS	2024-10-15	13:20-13:30	71
Krishna	Kumar	84988	Artificial Intelligence-Powered Autonomous Guidance, Navigation and Fault Tolerant Control of a Lunar Lander	Canada	D1	IAF SPACE SYSTEMS	2024-10-15	12:50-13:00	72
Elena	Fernández Bravo	88072	Satellite MDO Problem Formulation Using Design Coupling Information		D1	IAF SPACE SYSTEMS	2024-10-15	13:00-13:10	72
Raphael	Mena Morales	83502	Brainsat: Hardware Development of a Neuromorphic On-board Computer applied to Methane Detection from Low Earth Orbit		D1	IAF SPACE SYSTEMS	2024-10-15	13:10-13:20	72
Nidhi	Kamra	82622	Forward and Back-Propagation with an Analog Neural Network	Canada	D1	IAF SPACE SYSTEMS	2024-10-15	13:20-13:30	72
Fabrizio	Bisesto	87462	A Space Laser Transmitter concept based on Coherent Beam Combination technology for power scaling and full optical beamforming, steering and focusing	Italy	D1	IAF SPACE SYSTEMS	2024-10-15	12:50-13:00	73
Gerald	Bergmann	88667	A compact and versatile laser-interferometric displacement sensor for space applications	Germany	D1	IAF SPACE SYSTEMS	2024-10-15	13:00-13:10	73
Avid	Roman-Gonzalez	86328	Artificial Intelligence as a Key Tool in Space Missions	Peru	D1	IAF SPACE SYSTEMS	2024-10-15	13:10-13:20	73
Shreya	Santra	82170	Coordinated Multi-Robot Path Planning Utilizing Learning-based Approaches with Graph Neural Networks for Planetary Exploration	Japan	D1	IAF SPACE SYSTEMS	2024-10-15	13:20-13:30	73
Domenico	Scopelliti	85260	proba-3 mission: how to successfully test spacecraft formation flying on ground		D1	IAF SPACE SYSTEMS	2024-10-15	12:50-13:00	74
Eyrn Scarlet	Sagala	91292	A Practical Approach to Spacecraft Integrated Systems Design at the Conceptual and Preliminary Design Phases for CubeSat Projects	Canada	D1	IAF SPACE SYSTEMS	2024-10-15	13:00-13:10	74
Julia	van den Tooren	88666	MiniCAS – A novel type of constellation acquisition system	Germany	D1	IAF SPACE SYSTEMS	2024-10-15	13:10-13:20	74
Jochen	Rust	88816	Mass Memory Units for Current and Next-Generation Space Missions - Design and Performance Considerations	Germany	D1	IAF SPACE SYSTEMS	2024-10-15	13:20-13:30	74
Weronika	Borowicz	89614	modular docking system for in orbit servicing, life extension and deorbiting	Poland	D1	IAF SPACE SYSTEMS	2024-10-15	12:50-13:00	75
Hadi	Jahanshahi	87722	Enhancing Robotic Grasping in Space: A Reinforcement Learning Approach for Adaptive Grip Control	Canada	D1	IAF SPACE SYSTEMS	2024-10-15	13:00-13:10	75
Janardhan	Silwal	90298	CubeOS: A PX4 Autopilot-inspired flight software for Nepal's next-generation CubeSat bus		D1	IAF SPACE SYSTEMS	2024-10-15	13:10-13:20	75
Bo Wen	Xu	90964	Ultra-Low-power Fully integrated CMOS Real-Time Clocks for Autonomous Sensors for Lunar Extreme Temperatures		D1	IAF SPACE SYSTEMS	2024-10-15	13:20-13:30	75
Denis	Isaev	84742	GPV – geocosmic general planetary vehicle as a mean for the achievement of the sustainable development goals	United States	D2	IAF SPACE TRANSPORTATION	2024-10-15	12:50-13:00	76
Olivia Maria	Joikits	87844	Interconnecting economies: Methodologies for adapting Earth infrastructure for space industry requirements	Austria	D2	IAF SPACE TRANSPORTATION	2024-10-15	13:00-13:10	76
Christian	Garegnani	86902	esa vega-c launch complex water injection system – design of deluge system for an operational launch site		D2	IAF SPACE TRANSPORTATION	2024-10-15	13:10-13:20	76

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Thomas	Imhuese	84690	Moon Road - The Student Rocket Approach to Autonomous Vertical Landing	Germany	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:20-13:30	76
Jaekyun	Lee	81736	A study to maximize the operational efficiency of urban space mobility spaceport	Korea, Republic	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	12:50-13:00	77
Jiancen	Liu	83551	trajectory optimization and characteristic analysis for translunar direct abort considering reentry constraints	China	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:00-13:10	77
SungRyoung	Lee	84929	reconfigurable software design of model-based launch vehicle simulator for ground control system		D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:10-13:20	77
Josef	Klevanski	87073	Flight Dynamics Simulation and Aerodynamic Database of a Retro-propulsion Assisted Reusable Launcher within the RETPRO Project		D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:20-13:30	77
Shinhyung	Kim	84866	Fuel Efficiency Analysis of the Jet Engine and Solid-Propellant Based Small Reusable Sub-Orbital Launch Vehicle Candidates	Korea, Republic	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	12:50-13:00	78
Giacomo	Grigoli	91071	Concept for a Compact and Fast Spaceplane Delivery System	Italy	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:00-13:10	78
Kwangsoo	Kim	82197	Automated Model-driven Operation Approach using Open-source Script		D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:10-13:20	78
Avid	Roman-Gonzalez	87335	Unlocking Space: Designing a Dedicated Launcher for Small Satellite Missions	Peru	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:20-13:30	78
Paul Iustin	Vartolomei	85261	Payload orbit modification using maglev accelerators	Romania	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	12:50-13:00	79
Juan Salvador	Palacios Bett	91753	The First Steps of the Spaceport in Peru: Towards Consolidation as the Largest in South America		D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:00-13:10	79
Geovian	Stower	88608	A STUDY INTO THE EFFECTIVENESS OF A GROUND-BASED ELECTROMAGNETIC LAUNCHER FOR THE PURPOSES OF DEVELOPMENT OF A TECHNOLOGY	Kenya	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:10-13:20	79
Kevin	Smith	82910	On the Development of RAFTI: A Commercial In-Space Refueling Valve	United States	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:20-13:30	79
Niccolò	Giannone	91654	The Guidance Problem of Sidereus Space Dynamics' Innovative Single-Stage-To-Orbit Vehicle: A Direct Transcription Approach		D2	IAF SPACE TRANSPORTATION 15	2024-10-15	12:50-13:00	80
Nick	Gollins	85968	Optimisation of Categorical Choices in Exploration Mission Concepts of Operations Using Branch and Price Method		D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:00-13:10	80
YAN	LYU	82872	Two new launch platforms for air-launched rockets	China	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:10-13:20	80
Samiksha	Raviraja	88415	Sustainable Transport Chains for Commercial Asteroid Mining	United Kingdom	D2	IAF SPACE TRANSPORTATION 15	2024-10-15	13:20-13:30	80
Jessica	Schwend	91637	Steps Towards an Optimized Gas Treatment System for the Production of Plasma Activated Water		D3	22nd IAA SYMPOSIUM ON 15	2024-10-15	13:00-13:10	81
Lanie	McKinney	84293	Plasma Reactors for Chemical Conversion and Resource Generation beyond Low-Earth Orbit	United States	D3	22nd IAA SYMPOSIUM ON 15	2024-10-15	13:10-13:20	81
Maë	N'Guyen Rousseau	90804	TEC - Thermal Energy Conversion	France	D3	22nd IAA SYMPOSIUM ON 15	2024-10-15	13:20-13:30	81
Madison	Feehan	82048	Space Copy: Exploring Pioneering Technologies For In-Situ Resource Utilization and Lunar Enabled Additive Manufacturing for Infrastructure Production In Situ	Canada	D3	22nd IAA SYMPOSIUM ON 15	2024-10-15	13:00-13:10	82
Abdulaziz	Alareedh	89528	Sustainable Lunar Settlement Design Charrette: How Science Requirements Drive Sustainable Lunar Habitat Design	Kuwait	D3	22nd IAA SYMPOSIUM ON 15	2024-10-15	13:10-13:20	82

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
Aysel	Seyfullaye va	90774	A lung system for the Martian Shape-shifter	Azerbaijan	D3	22nd IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	82
Andrea	Lanci	90081	Empowering Army 4.0: Space Technologies for Enhanced Multi-Domain Operations	Italy	D4	22nd IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	84
Aisha	Alowais	86456	Leveraging Artificial Intelligence for Enhanced Laboratory Research at the Sharjah Academy for Astronomy, Space Sciences, and Technology		D4	22nd IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	84
Elliott	Ruzicka	86336	Beyond the Limits - Arbitrarily Large Rotating Space Habitats through Structural Decoupling		D4	22nd IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	85
Rachita	Agrawal	90737	Harmony Beyond Earth: Vision and Relevance of 'Vasudhaiva Kutumbakam' for Space Diplomacy	India	D4	22nd IAA SYMPOSIUM ON	2024-10-15	13:00-13:10	85
Ravan	Akhundov	88029	Self-Replicating Machines	Azerbaijan	D4	22nd IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	85
Victoria	Valdivia	80872	The Prevalence of Neurodivergent Profiles in the Space sector and Their Impact on Decision-Making Processes for the Future of Space Activities	Chile	D4	22nd IAA SYMPOSIUM ON	2024-10-15	13:20-13:30	85
Samuele	Enzo	83913	Application of tether technology to generate artificial gravity in a slowly-spinning system for human exploration missions	Italy	D4	22nd IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	86
Laman	Rustamzade	83411	Beyond Boundaries: "The Unreal Vision of Adaptable Habitats on Mars	Azerbaijan	D4	22nd IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	86
Ammarin	Pimnoo	83175	Thaicom's perspectives: Thailand spaceport business model analysis and impact on space industry in the country	Thailand	D4	22nd IAA SYMPOSIUM ON	2024-10-15	12:50-13:00	87
Uday Kiran	Elemasett v	81629	Exploiting cosmic resource Progress in Space Industry using Penalized Linear Regression	Canada	D4	22nd IAA SYMPOSIUM ON	2024-10-15	13:00-13:10	87
Ugur	Guyen	85539	Lunar Mining Potential for Helium 3 for Unlimited Energy on the Moon and Earth		D4	22nd IAA SYMPOSIUM ON	2024-10-15	13:10-13:20	87
Yukikazu	Murakami	90255	Two-year initiative for Balloon Sat Cotest for high school students	Japan	E1	IAF SPACE EDUCATION AND	2024-10-15	12:50-13:00	88
Nora	Ytterboe	90889	Curating institutional memory in high-paced space organizations	Norway	E1	IAF SPACE EDUCATION AND	2024-10-15	13:00-13:10	88
Georgina	Chavez	86202	Self regulated learning in Space Biology : the "almost engineers" case in Bolivia	Bolivia	E1	IAF SPACE EDUCATION AND	2024-10-15	13:10-13:20	88
Arnaud	Muller	81945	Advancing worldwide interest in spaceflight through a nonprofit open data initiative	France	E1	IAF SPACE EDUCATION AND	2024-10-15	13:20-13:30	88
Howard	Greene	80862	Starlab ExpertLink – A global best-practice to bring space expertise into classrooms via a design challenge related to commercial space station research and development		E1	IAF SPACE EDUCATION AND	2024-10-15	12:50-13:00	89
Darcey	Watson	84992	Linking Australia's remote schools to space education: a pilot study		E1	IAF SPACE EDUCATION AND	2024-10-15	13:00-13:10	89
Lauren	Knight	86211	Soundwalking through Space: Exploring the Sonic Interplanetary and Cosmic Imaginary	Canada	E1	IAF SPACE EDUCATION AND	2024-10-15	13:10-13:20	89
El Hassan	Bouaghad	90240	amaze space camp: a gateway to space exploration and steam education for high school students in morocco through immersive outreach	France	E1	IAF SPACE EDUCATION AND	2024-10-15	13:20-13:30	89
Sri Venkata	Musunuri	88107	Contemporary Stance to Space Education Pedagogy in Rural Areas	Canada	E1	IAF SPACE EDUCATION AND	2024-10-15	12:50-13:00	90
Veronika	Kameneva	85661	Agile for project-based STEM-students work: Small-size descent vehicle project case study	Russian Federation	E1	IAF SPACE EDUCATION AND	2024-10-15	13:00-13:10	90

Firstname	Lastname	IP ID	PosterTitle	Country	spName	spCaption	Date	Time	Screen number
John	Moore	90247	The A3Sat Emulator: A Catalyst in Disruptive CubeSat and Space Technology Education	United States	E1	IAF SPACE EDUCATION AND	2024-10-15	13:10-13:20	90
Rei	Kawashim	86983	How can UNISEC activities contribute to space workforce development in non-spacefaring countries?	Japan	E1	IAF SPACE EDUCATION AND	2024-10-15	13:20-13:30	90