

| Firstname     | Lastname       | IP ID | Title  | country            | spName | spCaption             | Date       | Time        | Screen number |
|---------------|----------------|-------|--|--------------------|--------|-----------------------|------------|-------------|---------------|
| Stephane      | Gres           | 87485 | The safety of cooperation. Causes and conditions of sustainable and fruitful inter-human cooperation in the design of long-duration autonomous manned missions | France             | A5     | 27th IAA SYMPOSIUM ON | 2024-10-16 | 12:50-13:00 | 01            |
| Olga          | Bannova        | 89360 | Design strategy for integrating radiation protection and life support systems in space habitats  | United States      | A5     | 27th IAA SYMPOSIUM ON | 2024-10-16 | 13:20-13:30 | 01            |
| Kiho          | Fukaura        | 84557 | JGC's Vision for a Lunar Society   | Japan              | A5     | 27th IAA SYMPOSIUM ON | 2024-10-16 | 12:50-13:00 | 02            |
| Baladitya     | Rane           | 86520 | Simulation-Driven Mars Exploration: Advancing Mars Colonization through Strategic planning and Cutting Edge technologies                                       | India              | A5     | 27th IAA SYMPOSIUM ON | 2024-10-16 | 12:50-13:00 | 03            |
| David Augusto | Galvan Alvarez | 87913 | Finding Solutions for Water and Resource Mapping on the Moon: The Space Ante Initiative  | Mexico             | A5     | 27th IAA SYMPOSIUM ON | 2024-10-16 | 13:00-13:10 | 03            |
| Paul          | Palacios       | 91743 | Biomedical Embedded System for Monitoring Temperature in Spacesuits during Extravehicular Activities in Analog Missions for Mars and the Moon                  |                    | A5     | 27th IAA SYMPOSIUM ON | 2024-10-16 | 12:50-13:00 | 04            |
| Evandros      | Theodosiou     | 82488 | Thermo-economic Analysis of Martian Habitats   | United Kingdom     | A5     | 27th IAA SYMPOSIUM ON | 2024-10-16 | 13:00-13:10 | 04            |
| Gurunadh      | Velidi         | 89474 | Terraforming the Red Planet: Navigating Controlled Greenhouse Gas Emission and Advanced Protection Protocols   | India              | A5     | 27th IAA SYMPOSIUM ON | 2024-10-16 | 13:20-13:30 | 05            |
| Muneera       | Almalki        | 84764 | A framework for improved ground truthing of space imagery utilizing space IoT for better socio-economic growth   | Bahrain            | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 12:50-13:00 | 06            |
| Maike         | Taddiken       | 88815 | Architecture and design considerations of a mass memory module for small satellite platforms   | Germany            | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:00-13:10 | 06            |
| Alessia       | Sbriglio       | 88891 | Assessment of YOLO's Capabilities for Object Detection in Optical Satellite Imagery  | Italy              | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:10-13:20 | 06            |
| Mingkun       | Li             | 84011 | deep hashing with multi-level contrastive learning framework for remote sensing image retrieval  | China              | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:20-13:30 | 06            |
| Katharina A   | Harreiter      | 85960 | The use of satellite imagery in international criminal proceedings: the Al Mahdi case  | Austria            | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 12:50-13:00 | 07            |
| Francesca     | Scala          | 83176 | Investigation of multiple-satellite formation configurations for single-pass synthetic aperture radar interferometry   | Germany            | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:00-13:10 | 07            |
| Nubar         | Habizadeh      | 90878 | spatial planning in coastal areas through geographic information systems   | Azerbaijan         | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:10-13:20 | 07            |
| Fabiana       | Ravellino      | 90976 | potentialities of prisma imagery for forest mapping: first results.  |                    | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:20-13:30 | 07            |
| Roger         | Huerta i Llu   | 89244 | Enhancing Precision Agriculture for Woody Crops through Publico-Private Collaboration  | Spain              | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 12:50-13:00 | 08            |
| Giovanni M    | Capuano        | 89480 | Super-Resolution-Based Small Object Detection for Real-Time Surveillance and Monitoring: An Onboard Satellite FPGA Implementation                              | Italy              | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:00-13:10 | 08            |
| Yichuan       | Man            | 84463 | Satellite Telemetry Anomaly Detection based on Machine Learning Algorithms   | China              | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:10-13:20 | 08            |
| Madina        | Amiraslanov    | 86465 | Analysis of vegetation changes in oil-contaminated lands based on multispectral imaging and GIS technologies   | Azerbaijan         | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:20-13:30 | 08            |
| Asma          | Betteka        | 87170 | Fire prediction modeling and risk mapping using Recent AI Tools in Climate Change.   | Russian Federation | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:00-13:10 | 09            |
| Olivia        | Mwaniki        | 81975 | Unveiling Kenya's Inaugural Earth Observation Satellite  | Kenya              | B1     | IAF EARTH OBSERVATION | 2024-10-16 | 13:10-13:20 | 09            |

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| Alberto Y.  | Aguilar-Bau  | 86239 | Precision Agriculture: Cultivating a Smarter Future with Earth Observation and Machine Learning   | Mexico               | B1     | IAF EARTH OBSERVATION        | 2024-10-16 | 13:20-13:30 | 09            |
| Gianluca    | Pari         | 85189 | The MapItaly Acquisitions Plan Overview and the New MapItaly Portal   | Italy                | B1     | IAF EARTH OBSERVATION        | 2024-10-16 | 12:50-13:00 | 10            |
| Mina        | Al-saad      | 86455 | Advancing palm tree monitoring in the UAE: benchmark dataset demonstration with AI techniques   | United Arab Emirates | B1     | IAF EARTH OBSERVATION        | 2024-10-16 | 13:00-13:10 | 10            |
| Rohaam      | Ahmed        | 81017 | Insight4EO - AI-Enabled On-board Processing Products for Low-Latency Earth Observation  | United Kingdom       | B1     | IAF EARTH OBSERVATION        | 2024-10-16 | 13:10-13:20 | 10            |
| Lulu        | Makapela     | 90990 | Enhancing Earth Observation Coordination to address Socio-Economic and Environmental Challenges   | South Africa         | B1     | IAF EARTH OBSERVATION        | 2024-10-16 | 13:20-13:30 | 10            |
| Alessandro  | Parisi       | 87488 | Investigating amplitude and InSAR phase from passive and active artificial reflectors   | Italy                | B1     | IAF EARTH OBSERVATION        | 2024-10-16 | 12:50-13:00 | 11            |
| Rakan       | Alshamma     | 81732 | earth observation systems   | United States        | B1     | IAF EARTH OBSERVATION        | 2024-10-16 | 13:00-13:10 | 11            |
| Aoibhín     | Crowley      | 87092 | Space as a domain for science diplomacy: How New Space became embedded in international relations   |                      | B1     | IAF EARTH OBSERVATION        | 2024-10-16 | 13:10-13:20 | 11            |
| Alessandro  | Parisi       | 87417 | Fully Automated Extraction of accurate Ground Control Points from Sentinel-1/2 acquisitions   | Italy                | B1     | IAF EARTH OBSERVATION        | 2024-10-16 | 13:20-13:30 | 11            |
| Connor      | MacRobbie    | 85728 | In-Situ Regolith and Metal Fuel Reactions for Lunar and Martian Additive Manufacturing  | Canada               | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 12:50-13:00 | 12            |
| Omar        | Saldana Pe   | 91728 | Self-retractable solar panel using a Nitinol and Hafnium structure for lunar surface applications   |                      | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:00-13:10 | 12            |
| Anatolii    | Lohvynenko   | 83209 | Using pyrotechnic devices in the development of separation systems for rocket and space technologies  | Ukraine              | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:10-13:20 | 12            |
| Ariana Ross | Tapia Salas  | 88864 | Additively manufactured aerospace structures utilizing 3D-printed bioplastic derived from avocado waste   | Mexico               | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 12:50-13:00 | 13            |
| chafika     | belamri      | 80794 | Radiations effects on FPGA devices in space missions  | Algeria              | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:00-13:10 | 13            |
| Iryna       | Husarova     | 83048 | VACUUM ARC COATINGS FROM HEAT-RESISTANT ALLOYS FOR COMBUSTION CHAMBERS OF LIQUID PROPELLANT ROCKET ENGINES  | Ukraine              | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:10-13:20 | 13            |
| Ariana Ross | Tapia Salas  | 89851 | Geometric Comparison of a Natural Rubber Pad for Vibration Mitigation in the payload of a sounding rocket   | Mexico               | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:20-13:30 | 13            |
| Massimo     | Della Monica | 83013 | CFD investigation and optimization on the external aerodynamics of a sounding rocket  | Italy                | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 12:50-13:00 | 14            |
| Diego       | Pérez Reyes  | 89857 | Advancing Experimental Rocketry: FDM-Enabled Ceramic Nozzles for Low-budget Experimental Propellants  | Mexico               | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:00-13:10 | 14            |
| Julius      | Karlapp      | 83206 | Investigation of ultra-lightweight and autonomous deployment systems for solar sails  | Germany              | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:10-13:20 | 14            |
| Palvi       | Garg         | 88161 | Integrated AI-Powered Failure Prediction System for Self-healing Polymer Materials from Simulation to Post-Space Deployment Level: using System Engineering Framework | United States        | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:20-13:30 | 14            |
| Abigail     | González-A   | 88329 | Analysis of the structural and dynamic behavior of a model rocket tensegrity fuselage during the ascent phase: Influence of motor forces on its mechanical response   | Costa Rica           | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 12:50-13:00 | 15            |
| Wail        | Boumchita    | 84758 | Preliminary Mission Analysis for the 16U4SBSP Mission Concept   |                      | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:00-13:10 | 15            |

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|-----------|------------|-------|---|-------------|--------|------------------------------|------------|-------------|---------------|
| hossam    | eisa       | 85653 | Investigating the Influence of a Multiple Launch Rocket System Dynamics on Rocket Range   | Egypt       | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:10-13:20 | 15            |
| Premysl   | Janik      | 91490 | Impact of environmental regulations on availability of space-relevant materials and manufacturing processes   | The Nether  | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:20-13:30 | 15            |
| Francesca | Di Carolo  | 87028 | Thermographic Characterization of ISiComp® Coating: A Comprehensive Analysis for Aerospace Thermal Protection Systems   | Italy       | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 12:50-13:00 | 16            |
| Guadalupe | Espinoza G | 86506 | Sustainable Extraterrestrial Tool Making Using In Situ Resourcing   | United Stat | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:00-13:10 | 16            |
| Aleksandr | Golubek    | 82583 | Evaluating the feasibility of using a variable-length polymer suborbital ultra-light launch vehicle   | Ukraine     | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:10-13:20 | 16            |
| Mateo     | Loshi      | 89471 | Preliminary design and testing of a non-mechanical cover for space telescopes: crystals   |             | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:20-13:30 | 16            |
| Guido     | Saccone    | 84013 | Investigation and Parametric Optimization of Laser Surface Texturing for Improved Microparticles Non-Sticking Capacity  | Italy       | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 12:50-13:00 | 17            |
| Ranajay   | Ghosh      | 85673 | Novel Damping Modes Using Bio-inspired Strategies   | United Stat | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:00-13:10 | 17            |
| KANG      | Shipeng    | 82463 | Calculation Method and Experiment Verification of Preload of Clamp Band Device Considering Temperature Influence  | China       | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:20-13:30 | 17            |
| Abdulrahm | Sulaiman   | 86423 | In House Design and Analysis of a 6U CubeSat Structural Frame   | United Arab | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 12:50-13:00 | 18            |
| Seong Jae | Choi       | 86387 | Dynamic analysis of finite-boundary Miura-ori structures  | Korea, Rep  | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:00-13:10 | 18            |
| Henghui   | Zhou       | 83164 | ai-based predicting large deployable structure thermal deformation on-orbit   | China       | C2     | IAF MATERIALS AND STRUCTURES | 2024-10-16 | 13:20-13:30 | 18            |
| Rene      | Gonçalves  | 84027 | Reactive Molecular Dynamics Simulation of Ammonium Perchlorate-Aluminum Interactions: Effects of Passivation and Initial Decomposition Mechanism                        |             | C4     | IAF SPACE PROPULSION         | 2024-10-16 | 12:50-13:00 | 19            |
| Rene      | Gonçalves  | 85841 | Catalyst-Driven Green Propellant Development for Hypergolic Systems   | Brazil      | C4     | IAF SPACE PROPULSION         | 2024-10-16 | 13:00-13:10 | 19            |
| José      | Rocco      | 84044 | RMD simulations applied to the study of energetic materials like HMX smokeless solid propellant: a case study of HMX molecular vacancies                                | Brazil      | C4     | IAF SPACE PROPULSION         | 2024-10-16 | 13:10-13:20 | 19            |
| liu       | yuwei      | 82847 | Dynamics modeling and simulation analysis of reusable high-pressure supplementary combustion liquid oxygen kerosene variable thrust rocket engine: Part I. Single point | China       | C4     | IAF SPACE PROPULSION         | 2024-10-16 | 13:20-13:30 | 19            |
| Angelo    | Genovese   | 89116 | HEMPT – Electric Propulsion for LEO/MEO Constellations  |             | C4     | IAF SPACE PROPULSION         | 2024-10-16 | 12:50-13:00 | 20            |
| Nicolás   | de Jong    | 81033 | Preliminary study on an electrolysis-based satellite micropropulsor for a 12U cubesat   | Spain       | C4     | IAF SPACE PROPULSION         | 2024-10-16 | 13:00-13:10 | 20            |
| Diana     | ALjbour    | 91303 | thermal responsive propellant formulations for variable thrust control for winged space rocket  | Jordan      | C4     | IAF SPACE PROPULSION         | 2024-10-16 | 13:10-13:20 | 20            |
| Diana     | ALjbour    | 91349 | hybrid propulsion system for spaceplanes: optimizing efficiency and performance   | Jordan      | C4     | IAF SPACE PROPULSION         | 2024-10-16 | 13:20-13:30 | 20            |
| Giuseppe  | Oliva      | 90359 | Advancements in the development of the subsystems for a student-developed H2O2/ABS hybrid propellant rocket engine  | France      | C4     | IAF SPACE PROPULSION         | 2024-10-16 | 12:50-13:00 | 21            |
| Claude    | Blue       | 86797 | stargate: an undergraduate experimental electric propulsion student research project  | United Stat | C4     | IAF SPACE PROPULSION         | 2024-10-16 | 13:00-13:10 | 21            |

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| ANWER      | HASHISH       | 84195 | Experimental investigation of combustion instability inside lab-scale hybrid rocket motor with swirl injector  | Egypt       | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:10-13:20 | 21            |
| Pablo      | Rubiolo       | 88495 | molten salt reactor concepts for advanced nuclear electric propulsion (NEP) systems  | France      | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:20-13:30 | 21            |
| Frederic   | Monteverde    | 90200 | Durable oxide catalysts free of noble metals for Hydrogen peroxide thrusters   | Italy       | C4     | IAF SPACE PROPULSION | 2024-10-16 | 12:50-13:00 | 22            |
| Mohd.Ama   | Mukadam       | 85757 | Optimizing Launch Systems: Propulsion and Structural Innovations for Enhanced Efficiency in Advanced Vehicles  | India       | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:00-13:10 | 22            |
| Shen       | Yan           | 86234 | Application of Micro electric Propulsion System Based on Additive Manufacturing Technology on Micro Satellites                                       |             | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:10-13:20 | 22            |
| Vikas      | Bhosale       | 86631 | Experimental investigations into the low toxicity hypergolic ionic liquid-ethanol fuel and hydrogen peroxide oxidizer                                |             | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:20-13:30 | 22            |
| Davide     | Zuin          | 88178 | Design of an Additively Manufactured Bipropellant Thruster for In-Orbit Satellite Operations   |             | C4     | IAF SPACE PROPULSION | 2024-10-16 | 12:50-13:00 | 23            |
| Monica Sof | Mojica Páramo | 91745 | Aerospike nozzle design with passive cooling system for improved durability and efficiency at rocket engines   |             | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:00-13:10 | 23            |
| Angel      | Vázquez       | 91861 | Chaac : Harnessing Machine Learning for Intelligent Combustion Control and Sustainable Propellants in Liquid Propellant Rocketry                     |             | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:10-13:20 | 23            |
| Luca       | Caffiero      | 89560 | Investigation of Hypergolic Ignition of Green Kerosene-based Fuels with HTP  | Italy       | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:20-13:30 | 23            |
| Varun Redd | Nandyala      | 86895 | Sustainable Spacecraft Propulsion: A 1N Thrust-Level Bi-Propellant Thruster utilizing Nitrous Oxide  |             | C4     | IAF SPACE PROPULSION | 2024-10-16 | 12:50-13:00 | 24            |
| Omar       | ElSherbiny    | 85679 | Development of an Air-Breathing Electrostatic Thruster   | Germany     | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:00-13:10 | 24            |
| Osmar Nair | Corona Zarza  | 91318 | pace hybrid propulsion: a combination of electric and thermonuclear propulsion to optimize satellites  | Mexico      | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:10-13:20 | 24            |
| Małgorzata | Majda         | 88099 | Research on the performance of the modified paraffin-wax-based fuel grains in the use of Student Researched and Developed (SRAD) hybrid rocket motor | Poland      | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:20-13:30 | 24            |
| Raphaël    | Aubry         | 86736 | Numerical modelling approach for the development of an orbital-scale hybrid propulsion engine  | France      | C4     | IAF SPACE PROPULSION | 2024-10-16 | 12:50-13:00 | 25            |
| Shayman-F  | Labadlia      | 88322 | Full rotordynamics analysis of a turbopump rotor system  | Canada      | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:00-13:10 | 25            |
| Zelalem    | Bogale        | 82364 | Development and Testing of an Electrically-Driven Centrifugal Pressurization System for Hybrid Rockets in Rocket Propulsion                          | Ethiopia    | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:10-13:20 | 25            |
| Vadym      | Khomiak       | 82973 | The features of LVexisting pressurization systems of propellant tanks and prospects of their development   | Ukraine     | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:20-13:30 | 25            |
| Francesco  | Battista      | 91863 | Preliminary Design for Air-Breathing Gridded Ion Thruster  |             | C4     | IAF SPACE PROPULSION | 2024-10-16 | 12:50-13:00 | 26            |
| Monica     | Salunkhe      | 88037 | Review of Nuclear Electric Propulsion for Interplanetary Missions  | United Stat | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:00-13:10 | 26            |
| Mitchell   | Schroll       | 81616 | Characterization of Engine Cooldown for a Centrifugal Nuclear Thermal Rocket   | United Stat | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:10-13:20 | 26            |
| Paige      | Berg          | 88594 | Hybrid Rocket Simulation Using CEQUEL for Thermochemistry Calculations   | United Stat | C4     | IAF SPACE PROPULSION | 2024-10-16 | 13:20-13:30 | 26            |

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| Valerio     | Santolini    | 86908 | Alternative thrust-based algorithm for performance analysis of swirled hybrid rocket engines  | Italy                | C4     | IAF SPACE PROPULSION             | 2024-10-16 | 12:50-13:00 | 27            |
| Federico    | Giambelli    | 84620 | Regenerative and Liquid Film Cooling: Development of a Unified Thermal Control Strategy in Liquid Rocket Engines                                  | Italy                | C4     | IAF SPACE PROPULSION             | 2024-10-16 | 13:00-13:10 | 27            |
| Djamal      | DARFILAL     | 91207 | Design, Development and Testing of a Five-Thruster Multidirectional Resistojet Propulsion System for cubesats applications                        | United Arab Emirates | C4     | IAF SPACE PROPULSION             | 2024-10-16 | 13:10-13:20 | 27            |
| Djamal      | DARFILAL     | 91357 | Characterization and Testing of a 1N Green Monopropellant Micro-Thruster Produced Using Additive Manufacturing Technique                          | United Arab Emirates | C4     | IAF SPACE PROPULSION             | 2024-10-16 | 13:20-13:30 | 27            |
| Karthikumar | Sambasiva    | 84628 | Potential of Radial Turbines in Liquid Rocket Engines: a comparative study with classical axial Turbines  | Italy                | C4     | IAF SPACE PROPULSION             | 2024-10-16 | 12:50-13:00 | 28            |
| Błażej      | Marciniak    | 90263 | Highly Throttleable Propulsion for FROG-H: A Green Technological Leap   | Poland               | C4     | IAF SPACE PROPULSION             | 2024-10-16 | 13:00-13:10 | 28            |
| abderrahim  | Nabi         | 91362 | Maximizing Reusability in Propulsion System Testing: A modular Data Acquisition System Using National Instruments PXI hardware and LabVIEW        | United Arab Emirates | C4     | IAF SPACE PROPULSION             | 2024-10-16 | 13:10-13:20 | 28            |
| Ali         | Jafarov      | 84466 | innovations in nuclear and propellantless propulsion technologies   | Azerbaijan           | C4     | IAF SPACE PROPULSION             | 2024-10-16 | 13:20-13:30 | 28            |
| Lauren      | Bydalek      | 86355 | Unique Approaches in Space Legal Education  | United States        | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 12:50-13:00 | 29            |
| Ines        | Uriol Balbir | 91580 | Mission MARIJN: a case study on improving undergraduate aerospace engineering education   | Spain                | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 13:00-13:10 | 29            |
| Marcos      | López        | 87840 | Development of education and space industry initiatives in a developing country with the Guatemalan Association of Engineering and Space Sciences | Guatemala            | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 13:10-13:20 | 29            |
| Martina     | Zheng        | 86093 | Decolonial Speculations on Space Exploration  | United Kingdom       | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 13:20-13:30 | 29            |
| Bram        | de Winter    | 81606 | Bridging the Gap: Investigating the Factors Affecting Young Scientists' Engagement in Space Community Organizations                               | United Kingdom       | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 12:50-13:00 | 30            |
| Martine Joy | Irog         | 90435 | Pale Blue Dot: An Interdisciplinary Educational Board Game on Space for Sustainability  | France               | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 13:20-13:30 | 30            |
| Harriet     | Hurley       | 81893 | The Uncommon Conversation: A Grassroots Approach to Decolonial Practices in Space   | Australia            | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 12:50-13:00 | 31            |
| Amal        | Albinali     | 85770 | Sustainability of Space Education and Outreach Efforts: A Case Study of Bahrain's National Space Agency   | Bahrain              | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 13:10-13:20 | 31            |
| Tommaso     | Tonina       | 91454 | From Inspiration to Orbit: Space Pioneers' Role in Crafting Tomorrow's Space Generations  | United States        | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 13:20-13:30 | 31            |
| Cristina    | Pérez Ramo   | 88859 | Space Generation Advances in Latin America region: Mexico first meeting in collaboration with Sudamerican partners                                | Mexico               | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 12:50-13:00 | 32            |
| Jorge       | Galvan Lobos | 90433 | Tailoring of ECSS standards for student space projects  | Belgium              | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 13:00-13:10 | 32            |
| Marlen      | Flores       | 88272 | robotics as an initiation mechanism in the knowledge of space activity in venezuela   | Venezuela            | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 12:50-13:00 | 33            |
| Marcin      | Giza         | 84660 | Combining AI and satellite data in space education.   | Poland               | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 13:00-13:10 | 33            |
| Adrian      | Dumitrescu   | 83581 | ROSPIN School: Space Engagement Beyond the Classroom in Romania   | Romania              | E1     | IAF SPACE EDUCATION AND OUTREACH | 2024-10-16 | 13:10-13:20 | 33            |

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| Stephanie     | Leitón Ram  | 82198 | Creative Space: A computational space to let spatial creativity fly from Costa Rica   | Costa Rica  | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:20-13:30 | 33            |
| Mykyta        | Kliapets    | 82396 | Language Models in Space Diplomacy Education: A Case Study of a Multilingual LLM Prompt Library   | Belgium     | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 12:50-13:00 | 34            |
| Zaklin        | Butinar     | 87514 | SpaceSUITE: Bridging the Gap Between the Supply and Demand of Skills in the Downstream Space Sector   | France      | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:00-13:10 | 34            |
| Shahadev      | Rai         | 82228 | Empowering Marginalized Regions: NASO's Initiative in Democratizing Space Education and Addressing Local Challenges in Nepal  | Nepal       | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:10-13:20 | 34            |
| Maciej        | Mysliwiec   | 89808 | Educational incubators for young space technology enthusiasts   | Poland      | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:20-13:30 | 34            |
| Kentaro       | Kitamura    | 84797 | A Framework for Space Education Integrating Science and Engineering through the development of 211 CubeSat  | Japan       | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 12:50-13:00 | 35            |
| José Henrique | Fernandez   | 89844 | space caravan: an experience in aerospace scientific dissemination in the brazilian northeastern region   | Brazil      | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:00-13:10 | 35            |
| Subhrajit     | Barua       | 88948 | The BRICS Universe Exhibition - A Fusion of Space and Art in UNESCO's Creative Cities   | Russian Fe  | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:10-13:20 | 35            |
| Subhrajit     | Barua       | 82203 | Empowering the Next Generation in Space: SGAC's Mentoring Committee Adopts a Global Approach to Space Education and Outreach  | Russian Fe  | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:20-13:30 | 35            |
| Alev          | Sönmez      | 91142 | The ARTronaut Model: The innovative way of communicating Space through Art  | Germany     | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 12:50-13:00 | 36            |
| Juan Salvador | Palacios Be | 91881 | Cubesats in Peru: Empowering Peru's Future through Space Education  |             | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:00-13:10 | 36            |
| Stefano       | Piccin      | 89521 | Mapping and analysis of the Italian industrial and outreach space ecosystem, with a study of their social impacts   | Italy       | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:20-13:30 | 36            |
| Subhrajit     | Barua       | 89621 | Beyond Boundaries: Pioneering the Future of Education with The Endogenously Developed Beyonder's Space Kit  |             | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 12:50-13:00 | 37            |
| Anderson      | Guimarães   | 89725 | The valorization of local cultural elements through itinerant aerospace scientific dissemination: space is for everyone   | Brazil      | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:20-13:30 | 37            |
| Christophe    | Richardson  | 86295 | The Creative Economy and its impact on the Space Workforce  | United Stat | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 12:50-13:00 | 38            |
| Noemy         | Pérez Galán | 82272 | fidésencial - first student aerospace group from a private university in costa rica   | Costa Rica  | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:10-13:20 | 38            |
| Tamara        | Blagojevic  | 91187 | Space Court Foundations Unique Space Law and Policy Internship Programme  | Serbia      | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 12:50-13:00 | 39            |
| Khushi        | Shah        | 82405 | Reimagining decolonized futures in space through speculative design   | India       | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 12:50-13:00 | 40            |
| Thomas        | Esposito    | 91288 | Scientific Cooperation and Exploration with the Unistellar Network of Citizen Astronomers   | United Stat | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:00-13:10 | 40            |
| Rebeca        | Jiménez     | 82335 | Leveraging Space as an Innovation Factor for STEAM Education in Early Ages: Redesigning Learning Modules in Primary School Levels in Costa Rica by Including Space Applications | Costa Rica  | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 12:50-13:00 | 41            |
| Federica Jo   | Gardella    | 85586 | A Comparative Analysis of Three Theses in Space Architecture Education  | Italy       | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 13:20-13:30 | 41            |
| Heidi         | Budd Thien  | 83610 | How and why people join the UK space sector: Results of the 2024 Space Census   | United King | E1     | IAF SPACE EDUCATION AND | 2024-10-16 | 12:50-13:00 | 42            |

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| Gunel       | Valiyeva    | 83484 | Integrating Space Education into STEAM  | Azerbaijan  | E1     | IAF SPACE EDUCATION AND     | 2024-10-16 | 13:00-13:10 | 42            |
| Heidi       | Budd Thien  | 84103 | The role of first degrees in encouraging students to enter the space sector: Analysis by the ASTRAIOS project   | United King | E1     | IAF SPACE EDUCATION AND     | 2024-10-16 | 13:10-13:20 | 42            |
| Luca        | BISOGNIN    | 86958 | Fostering creative problem solving and sustainability through an innovative educational NewSpace event  | France      | E1     | IAF SPACE EDUCATION AND     | 2024-10-16 | 13:20-13:30 | 42            |
| Luca        | Lion        | 84122 | Track your satellite before it is too late: a laser ranging enabled student CubeSat project   | Italy       | E2     | 52nd IAF STUDENT CONFERENCE | 2024-10-16 | 12:50-13:00 | 43            |
| Dionisis    | Tsigalidas  | 87826 | Beyond Robotics' Talos 1 Science Team: Best Performance in Science Task in ERC 2023   | Greece      | E2     | 52nd IAF STUDENT CONFERENCE | 2024-10-16 | 13:00-13:10 | 43            |
| Nicolas     | Heyn        | 87774 | free flight re-entry experiment on transpiration cooling heat shield - trace on rexus 31  |             | E2     | 52nd IAF STUDENT CONFERENCE | 2024-10-16 | 13:10-13:20 | 43            |
| Anh-Khoa    | Chau-Vo     | 91689 | development of a cryogenic propellant turbopump for the starsailor rocket   |             | E2     | 52nd IAF STUDENT CONFERENCE | 2024-10-16 | 13:20-13:30 | 43            |
| Umberto     | Mondini     | 86861 | Development Framework for an Autocoded ADCS Software in a CubeSat Scenario  | Italy       | E2     | 52nd IAF STUDENT CONFERENCE | 2024-10-16 | 12:50-13:00 | 44            |
| Christophe  | Vogt        | 87379 | The Student Project FerrAS - A Ferrofluid Experiment on a REXUS Sounding Rocket   | Germany     | E2     | 52nd IAF STUDENT CONFERENCE | 2024-10-16 | 13:00-13:10 | 44            |
| Magda       | Borovina    | 88744 | 'Back to the Cave'- Designing Symbiotically Operating Habitation Modules in Martian Caves   | Croatia     | E2     | 52nd IAF STUDENT CONFERENCE | 2024-10-16 | 13:10-13:20 | 44            |
| David       | Reid        | 84885 | Structural Design, Modelling and Testing of a 2U CubeSat Thermal/Visual Imaging Payload   |             | E2     | 52nd IAF STUDENT CONFERENCE | 2024-10-16 | 13:20-13:30 | 44            |
| Nammi       | Choe        | 81536 | What Led to the Creation of Korea Aerospace Administration?   | Korea, Rep  | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 12:50-13:00 | 45            |
| Marie-Louis | Hohenbühne  | 87912 | Freedom of Access to All Areas of Celestial Bodies vis a vis Space Resource Activities: An Examination of Possible Conflicts in International Space Law | Italy       | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 13:00-13:10 | 45            |
| Tahsin      | Yomralioglu | 88916 | Space Cadastre: A New Paradigm for the Future of Space  | Türkiye     | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 13:20-13:30 | 45            |
| Paula       | Silveira    | 87233 | PORTUGAL AND SPACE: THE NEW REGULATION ON SPACE ACTIVITY AND ITS CHALLENGES   | Portugal    | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 12:50-13:00 | 46            |
| Zeka        | Aliyev      | 86877 | the new space race in the world   |             | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 13:00-13:10 | 46            |
| Luca        | Niccolai    | 85247 | The importance of Monitoring & Evaluation of today's space activities for tomorrow's space investments  | United King | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 13:20-13:30 | 46            |
| Ulviyya     | Najafli     | 84109 | Ecological economic effects of space activities.  | Azerbaijan  | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 12:50-13:00 | 47            |
| Aoife       | van Linden  | 91184 | Creative Industries Space Policy  |             | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 13:00-13:10 | 47            |
| K. Lee      | Pagel       | 85495 | Commercial Human Space Flight Development as a New Model for Fixed Price Research and Development Contracting   |             | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 13:20-13:30 | 47            |
| Chiara      | Limardi     | 85182 | Policies and international cooperation in support to the ASEAN community for the use of space technologies to manage environmental fragilities          | Italy       | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 12:50-13:00 | 48            |
| Alex        | Stennett    | 83329 | Developing a City-State on Antarctica to Simulate Extra-planetary Settlement and Create a Viable Space Earth Economy                                    | United Stat | E3     | 37th IAA SYMPOSIUM ON       | 2024-10-16 | 13:00-13:10 | 48            |

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| Talut       | Huseynov   | 82968 | Institutionalization Process of Space Agencies: Comparative Analysis   | Azerbaijan     | E3     | 37th IAA SYMPOSIUM ON | 2024-10-16 | 13:10-13:20 | 48            |
| Ioana       | Petrescu   | 81988 | Balancing Regulation, Sustainability, and Growth in the Space Industry: Insights from Industry Interviews  | Romania        | E3     | 37th IAA SYMPOSIUM ON | 2024-10-16 | 13:20-13:30 | 48            |
| Mike        | Gruntman   | 81048 | Neil Armstrong: From Lunar Landing to Master of Science Degree   | United States  | E4     | 58th IAA HISTORY OF   | 2024-10-16 | 12:50-13:00 | 49            |
| Pablo       | de León    | 85946 | Miguel Guerrero, The Final Guardian of the Condor  | United States  | E4     | 58th IAA HISTORY OF   | 2024-10-16 | 13:00-13:10 | 49            |
| Həlilə      | Sadiqova   | 83540 | the evolution of cosmic foods:an astronomical inquiry  | Azerbaijan     | E4     | 58th IAA HISTORY OF   | 2024-10-16 | 12:50-13:00 | 50            |
| Nubar       | Seyidova   | 90876 | Italy's unforgettable footprints in space  | Azerbaijan     | E4     | 58th IAA HISTORY OF   | 2024-10-16 | 13:10-13:20 | 50            |
| Natalia Ind | Vargas-Cue | 89884 | Pedro Paulet: Was a Peruvian engineer the precursor of the space age?  | Peru           | E4     | 58th IAA HISTORY OF   | 2024-10-16 | 13:20-13:30 | 50            |
| Xuemei      | Ma         | 90326 | Research on the Development Process, Practical Experiences and Prospects of China's Aerospace Industry   | China          | E4     | 58th IAA HISTORY OF   | 2024-10-16 | 13:20-13:30 | 51            |
| Elia        | Sindoni    | 84050 | Sustainable life beyond the Earth. How to enhance habitat comfort for space travellers.  | Italy          | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 12:50-13:00 | 52            |
| Francesco   | Romio      | 83107 | Pyroduct: a parametric tool for generating realistic 3d models of Lunar and Martian lava tubes   | Italy          | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 13:10-13:20 | 52            |
| Marta       | Rossi      | 84299 | From Confinement to Comfort: The Role of Interpersonal Distance in Designing Space Habitats  |                | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 12:50-13:00 | 53            |
| Avid        | Roman-Gol  | 89886 | Integration of Satellite, Drone, and In-situ Data for Precision Agriculture Applications   | Peru           | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 13:00-13:10 | 53            |
| Avid        | Roman-Gol  | 87528 | GuiApp: Utilizing Global Navigation Satellite Systems in the Tourism Industry  | Peru           | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 13:10-13:20 | 53            |
| Florian     | Stechmann  | 87928 | Concept of a laboratory for researching production under Mars-like conditions  | Germany        | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 13:20-13:30 | 53            |
| Zygmantas   | Vainauskas | 91330 | Human Agency in the Cosmic Symphony: Exploring the Significance of Individuals in the Grand Scheme of the Butterfly Effect   | United Kingdom | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 12:50-13:00 | 54            |
| Adela       | Moss       | 88252 | Home on the Moon: Integrating Comfort and Innovation in Lunar Habitat Design   | Poland         | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 13:00-13:10 | 54            |
| Meriem      | Allani     | 87505 | Psychology of Isolation and Architecture of Lunar Habitats: Lessons from Space Analogs, Antarctic Missions, and Secure Facilities Design                             | Australia      | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 13:20-13:30 | 54            |
| Stephanie   | Leitón Ram | 91000 | Reforestation from air: seeds germination and water rocket prototype development as part of a solution to forest fires in Guanacaste Conservation Area in Costa Rica | Costa Rica     | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 12:50-13:00 | 55            |
| Shu-Yu      | Lin        | 88769 | Acyclic framework for identifying causal relationships in habitat design   | United States  | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 13:00-13:10 | 55            |
| Anna        | Hurova     | 81072 | The system thinking games for the understanding the space activity misconceptions  | Ukraine        | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 13:10-13:20 | 55            |
| James       | Robinson   | 84847 | Lunar layered base: An exploration of architectural diversity with a Lunar lava tube   | United Kingdom | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 13:20-13:30 | 55            |
| Oscar       | Ojeda      | 89667 | Development of a Model of a Controlled Environment Crop Production System for Optimal Distribution Definition in Deep Space Missions and Analog Stations             | Colombia       | E5     | 35th IAA SYMPOSIUM ON | 2024-10-16 | 12:50-13:00 | 56            |

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| Takashi     | Mizuguchi  | 85108 | Redefining Human Lunar Habitation through HopShell Volume and Soft Membrane Structures   | Japan         | E5     | 35th IAA SYMPOSIUM ON         | 2024-10-16 | 13:00-13:10 | 56            |
| Ilaria Pia  | Fiore      | 91047 | Lunex SpaceHomes Project   | Italy         | E5     | 35th IAA SYMPOSIUM ON         | 2024-10-16 | 12:50-13:00 | 57            |
| Elizabeth   | Kluzak     | 86000 | Beneath the Lunar Surface: A Multi-tiered Atmospheric Pressure Habitat Driven by Bioregenerative Life Support, Habitability, and Modularity                              | United States | E5     | 35th IAA SYMPOSIUM ON         | 2024-10-16 | 13:00-13:10 | 57            |
| Marie       | DELAROCHE  | 89044 | SUPAERO MDRS Analog Mission : Students' first step into Space  | France        | E5     | 35th IAA SYMPOSIUM ON         | 2024-10-16 | 13:20-13:30 | 57            |
| Fabio       | Rofino     | 89853 | a new public-private Brazilian program for small satellite launcher  | Brazil        | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 12:50-13:00 | 58            |
| Simon       | Dekeyser   | 90308 | European Space SME's financial viability   |               | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:00-13:10 | 58            |
| Maria Ange  | Gerasimou  | 89372 | Chartering in outer space: A legal analysis of the application of the maritime chartering regime in space activities   | Greece        | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:10-13:20 | 58            |
| Scott       | Schneider  | 83556 | Power and incentives in NewSpace entrepreneurship: Harmonising economic and political realities of the space sector  | Australia     | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:20-13:30 | 58            |
| Abhishek    | Kanodia    | 90521 | Vimana Aerotech and the development of a tail-sitter VTOL drone for research as well as commercial facilitation  |               | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:00-13:10 | 59            |
| Omar        | Mohamed    | 82213 | Business Solutions for Sustainable Clothing Management in Long-Term Space Missions   | Egypt         | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:10-13:20 | 59            |
| Zuzanna     | Filipecka  | 90935 | Beyond Incubation: Shaping European Space Agency's Support Frameworks for Space Ventures   |               | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:20-13:30 | 59            |
| Jamila      | Mendoza    | 90480 | Unpacking Corporate Sustainability Law: Aligning Financial and Non-Financial Double Materiality within the CSRD and ESRS Regulatory Frameworks for the Space Investments | Norway        | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 12:50-13:00 | 60            |
| Chang Ho    | LIM        | 87194 | Impact and implications of COVID-19 on Korea's aerospace industry  | Korea, Rep    | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:00-13:10 | 60            |
| Lokesh kun  | G          | 91470 | Space Entrepreneurship: A Comprehensive Guide to Launching a Space Business in India   | India         | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:10-13:20 | 60            |
| Jacqui      | Tyack      | 82648 | Trailblazer Program as PPP Model for Australia's Space Industry Growth   | Australia     | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:20-13:30 | 60            |
| Fernanda    | Lima       | 90199 | Sandboxes as an incentive tool for entrepreneurship in the space sector  | Brazil        | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 12:50-13:00 | 61            |
| Michele Cri | Silva Melo | 86158 | Initiatives to ensure legal security in space investments: the role of the General Attorney Office (AGU)   | Brazil        | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:00-13:10 | 61            |
| LEILA       | MORAIS     | 87251 | Entrepreneurship in the space sector and deforestation monitoring activities in the Brazilian Legal Amazon   | Brazil        | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:10-13:20 | 61            |
| LEILA       | MORAIS     | 88532 | The Quilombola conflict and the Alcântara Space Center (CEA): the General Attorney Office (AGU) mediation experience in resolving the conflict and its impacts on the    | Brazil        | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:20-13:30 | 61            |
| Victoria    | Krivova    | 84730 | Unlocking the Value of Satellite Systems through Modularity: A Reference Framework   |               | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 12:50-13:00 | 62            |
| Ozge        | Aydin      | 88423 | Preparing for the Unknown: Strategic Risk Management in Space and Defence Operations   | Canada        | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:00-13:10 | 62            |
| Claudio     | Loporcaro  | 83937 | Fostering Innovation: Exploring the Synergies Between Space Startups and University Incubators in the Space Economy  |               | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:10-13:20 | 62            |

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| Francisco   | Del Canto   | 89188 | The Emergence of Space Innovation Hubs: A Case Study of Grand Forks, USA.  | United States   | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:20-13:30 | 62            |
| Yiyun       | Zhang       | 83762 | APPLYING THE INTERSECTIONAL ANTIRACISM TECHNOLOGY FRAMEWORK TO AN EDUCATION OUTREACH PROGRAM IN AEROSPACE  |                 | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 12:50-13:00 | 63            |
| Ruth Euniki | Vraka       | 88373 | Space Entrepreneurship in the Netherlands: A Comprehensive Analysis of Personas, Needs, and Ecosystem Optimization through the OneSpaceHub Project | The Netherlands | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:00-13:10 | 63            |
| Łukasz      | Gliwiński   | 85791 | Optimizing organizational structure and project management: a case study of AGH Space Systems  | Poland          | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:10-13:20 | 63            |
| Mustafa     | Shahid      | 82096 | Framework to Enable Non-Government Entities to Participate in the Space Sector: Indian Case Study  | India           | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:20-13:30 | 63            |
| Guy         | Pignolet    | 88539 | Agenda 2030 : Volodia Ring - a 1,000 people Space-4-All artificial planet to help Mother Earth   | France          | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 12:50-13:00 | 64            |
| Stella      | Tkatchova   | 87672 | Deep-tech Space-earth synergies for future exploration and terrestrial applications  | Belgium         | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:00-13:10 | 64            |
| Kaori       | Becerril    | 86022 | Futures Thinking: A Mindset for Driving Entrepreneurship and Innovation in NewSpace  |                 | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:10-13:20 | 64            |
| Muneera     | Almalki     | 85727 | The Impact of Machine Learning on Organizational Behavior: A Framework for Space Agencies  | Bahrain         | E6     | IAF BUSINESSES AND INNOVATION | 2024-10-16 | 13:20-13:30 | 64            |
| Krisztina   | Tilinger    | 87268 | Implementation of the Outer Space Treaty through blockchain-based systems  | Hungary         | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 12:50-13:00 | 65            |
| Antonia     | Kardamaki   | 90622 | exploring the role of patent pools in fostering innovation and collaboration in the eu space sector  |                 | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:00-13:10 | 65            |
| Giuliana    | Rotola      | 90728 | Integrating Indigenous Outlook in International Space Law:   | Italy           | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:10-13:20 | 65            |
| Antonio     | Pallotti    | 90320 | international space law and the right to health in space telemedicine applications for earth remote areas  | Italy           | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 12:50-13:00 | 66            |
| Yangzi      | Tao         | 84648 | AI in the Cosmos: Toward an Adaptive Legal Framework for Space Governance  |                 | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:20-13:30 | 66            |
| Naghiyeva   | Nazrin      | 83973 | Law Among the Stars: A Comprehensive Review of International Space Station Regulations   | Azerbaijan      | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 12:50-13:00 | 67            |
| Caroline    | Thro        | 89581 | Questioning the International Legal Framework for a Responsible and Sustainable Space Tourism Activity   |                 | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:00-13:10 | 67            |
| Franziska   | Knur        | 87656 | The Recommendations of the COPUOS LSC WG 5TRE on Registering Space Objects Forming Part of a Satellite Constellation                               | Germany         | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:10-13:20 | 67            |
| Sanjal      | Gavande     | 88362 | Assessment of the definition of safety zones to be utilized as an operational framework for lunar environment                                      | United States   | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:20-13:30 | 67            |
| Marie-Clair | de Bruijn   | 81946 | Life Science beyond Earth: Exploring the Legal Landscape in Outer Space Exploration  | Germany         | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 12:50-13:00 | 68            |
| Joh         | NAGATA      | 86261 | Freedom and Restrictions on Scientific Investigation of Space Resources under the Principles of International Law                                  |                 | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:00-13:10 | 68            |
| Maria Elena | De Maestri  | 83084 | Space sustainability as a common concern   | Italy           | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:10-13:20 | 68            |
| Merve       | ERDEM BULUT | 82726 | State Practices Regarding Liability for Damage Caused by Space Objects and Their Impact on International Space Law                                 | Switzerland     | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:20-13:30 | 68            |

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| Laura Denis    | Jaroslavsky  | 82295 | Are dispute settlement mechanisms ready to deal with space-related disputes?  | Switzerland        | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 12:50-13:00 | 69            |
| Victoria       | Valdivia     | 80792 | Remove before launch: Collisions between space activities regulated under the Outer Space Treaty and the Antarctic Treaty System                                  | Chile              | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 12:50-13:00 | 70            |
| Ayten-Selin    | Dogan        | 84184 | there is no space law without space science   | United Kingdom     | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:00-13:10 | 70            |
| Hisako         | Moriguchi    | 81686 | A Comparative Study of Patent Infringement in Cyberspace and in Outer Space - Beyond the Limits of Territorial Jurisdiction                                       | Japan              | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:10-13:20 | 70            |
| Scott          | Scoular      | 88942 | The risk of replacing the consensus principle in space with alternative rule setting: a comparison of space mining with deep sea mining                           |                    | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 12:50-13:00 | 71            |
| Matthew        | Gillett      | 87347 | Addressing the Legal Gap of Responsibility of Non-State Actors for Space Pollution  |                    | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:00-13:10 | 71            |
| Stefano        | Versino      | 87785 | Taxation of income resulting from space related activities: the need for a clear and sustainable tax policy for the space industry                                | Italy              | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 12:50-13:00 | 72            |
| Beauler        | Wozhele      | 90698 | Space Governance for Suborbital Flights: Challenges and Opportunities for Developing Nations  | Zimbabwe           | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 12:50-13:00 | 73            |
| GEORGIOS       | CHATZICHAKIS | 87686 | Reconnaissance or Spy Satellites; Legal Challenges and Implications for International Law   |                    | E7     | IISL COLLOQUIUM ON THE LAW OF | 2024-10-16 | 13:20-13:30 | 74            |
| Denitza        | Petrounova   | 87659 | Cyber Attacks against Space Assets: The Right to Self-Defence   |                    | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 12:50-13:00 | 75            |
| Denitza        | Petrounova   | 87903 | Norms of Responsible Behaviour in Outer Space and the Law of Armed Conflict   |                    | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 13:00-13:10 | 75            |
| Victoria       | Valdivia     | 80873 | The mitigation of Global Uncertainty through the establishment of Transparency and Confidence Building Measures: A Proposal for Cross-Inspections of Ground Space |                    | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 13:10-13:20 | 75            |
| Bulbul         | Mukherjee    | 89472 | ensuring long-term sustainability of outer space activities during chandrayaan-3 mission  | India              | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 13:20-13:30 | 75            |
| Jorge          | Ciccorossi   | 87032 | ITU Contributions to the collective efforts on space sustainability, from responsible use of spectrum to Low Earth Orbits   | Switzerland        | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 12:50-13:00 | 76            |
| Orkhan         | Jabbarzade   | 85228 | Securing the Final Frontier: Mitigating Cyber Security Threats to Space Missions  | Azerbaijan         | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 13:00-13:10 | 76            |
| Arjun          | Chhabra      | 85923 | Incentivizing adoption of cislunar orbital debris mitigation policies via norms of behaviour  | United States      | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 12:50-13:00 | 77            |
| Maria Vittoria | Massarin     | 87250 | Towards a Legal Framework for Space Traffic Management: International and Regional Initiatives  | Italy              | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 13:00-13:10 | 77            |
| Clémence       | Poirier      | 88720 | Establishing the youth's position on responsible behaviour in outer space   | Switzerland        | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 13:10-13:20 | 77            |
| Elizabeth      | Cox          | 90556 | An overview of the UK Space Agency's sustainability activities  | United Kingdom     | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 13:20-13:30 | 77            |
| Timur          | Kadyrov      | 88162 | Identification of communication spacecrafts and validation of their orbital parameters with respect to Master international frequency register of ITU             |                    | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 12:50-13:00 | 78            |
| Jong-Bum       | Kim          | 81744 | Current status and Future plans for STM in Korea  | Korea, Republic of | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 13:00-13:10 | 78            |
| Vinicius       | Guedes Gomes | 84931 | Scrutinizing Cyberattacks in the Final Frontier: Evaluating Australia's Legal and Policy Readiness in Safeguarding the Space Sector                               |                    | E9     | IAF SYMPOSIUM ON SECURITY,    | 2024-10-16 | 13:10-13:20 | 78            |

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| Mariel     | Borowitz    | 84172 | A technical comparison of the public SSA services in the United States and the European Union  | United States | E9     | IAF SYMPOSIUM ON SECURITY, | 2024-10-16 | 13:10-13:20 | 79            |
| ANA LUCIA  | PEGETTI     | 85974 | Defining eligible initiatives for a Planetary Defense strategy in Brazil by applying the Strategic Choice Approach (SCA) of Soft Operational Research    | Brazil        | E10    | IAF SYMPOSIUM ON PLANETARY | 2024-10-16 | 12:50-13:00 | 81            |
| ANA LUCIA  | PEGETTI     | 87863 | Applying systematic review as a tool for the analysis and classification of papers published in journals and conferences related to planetary defense    | Brazil        | E10    | IAF SYMPOSIUM ON PLANETARY | 2024-10-16 | 13:00-13:10 | 81            |
| Claudio    | Maccone     | 82703 | FUTURE PLANETARY DEFENSE FROM THE MOON   | Italy         | E10    | IAF SYMPOSIUM ON PLANETARY | 2024-10-16 | 13:20-13:30 | 81            |
| Taishi     | Satou       | 83987 | study of size scale effect in the asteroid deflection due to hypervelocity impact  | Japan         | E10    | IAF SYMPOSIUM ON PLANETARY | 2024-10-16 | 12:50-13:00 | 82            |
| Lee        | Kin Thong   | 83770 | Exploring the Impact of Non-Central Collisions on the Asteroid Deflection mission  | China         | E10    | IAF SYMPOSIUM ON PLANETARY | 2024-10-16 | 13:00-13:10 | 82            |
| Nishita    | Sanghvi     | 88855 | SmallSat-based Near-Earth Object (NEO) Detection using Transformer AI Model for Improved Planetary Defense   | Germany       | E10    | IAF SYMPOSIUM ON PLANETARY | 2024-10-16 | 12:50-13:00 | 83            |
| Kohei      | Yamaguchi   | 84546 | Near-Earth Asteroid Capture Mission Design Method based on the Orbital Dynamics in the Planar Circular Restricted Three-body Problem                     | Japan         | E10    | IAF SYMPOSIUM ON PLANETARY | 2024-10-16 | 13:00-13:10 | 83            |
| Rania      | Toukebri    | 89160 | Analysis of planetary defense techniques and the role of space technology in the future exercises  | Germany       | E10    | IAF SYMPOSIUM ON PLANETARY | 2024-10-16 | 13:20-13:30 | 83            |
| DAFNI      | POLITIKOU   | 90554 | Evaluating the Legality of Nuclear Explosive Devices (NEDs) for Planetary  | Greece        | E10    | IAF SYMPOSIUM ON PLANETARY | 2024-10-16 | 13:00-13:10 | 84            |
| Hasel      | Ramírez C   | 88218 | Analysis of influential factors to increase space careers in emerging space countries  | Mexico        | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 12:50-13:00 | 85            |
| Anja       | Nakarada P  | 86990 | From Balkans to Beyond: EnduroSat's Journey and Lessons for Emerging Space Industries  |               | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 13:00-13:10 | 85            |
| David Andr | Diaz Alvare | 82937 | COLOMBIAN EDUCATIONAL AND RESEARCH DEVELOPMENT: INSIGHTS FROM THE FIRST AEROSPACE ENGINEERING BACHELOR   | Colombia      | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 13:10-13:20 | 85            |
| Tony       | LaRosa      | 81273 | Introducing the Interplanetary Chamber of Commerce   | United States | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 13:20-13:30 | 85            |
| Bruno      | Nunes Vaz   | 81678 | A proposal for a state space secretariat: why does it make sense for the State of São Paulo?   | Brazil        | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 12:50-13:00 | 86            |
| Bruno      | Nunes Vaz   | 80796 | A framework of traditional Brazilian space industry and the new space scenario for integrating technological innovation to strategy for entrepreneurship | Brazil        | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 13:00-13:10 | 86            |
| Emeline Du | Paat-Dahls  | 84348 | Establishing a Global Space Enablers Network   | New Zealand   | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 13:10-13:20 | 86            |
| Stefano    | Ferretti    | 91466 | New opportunities in the New Space ecosystem: a one health perspective   | Austria       | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 13:20-13:30 | 86            |
| MOHAMED    | ALASEERI    | 86945 | Advancing Sustainability in Space: An Extended Digital Framework from NSSA's Experience  | Bahrain       | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 12:50-13:00 | 87            |
| Fay        | Ghani       | 81808 | New Zealand's place in space: An emerging space nation in the Pacific Ocean heading towards the cosmos   | United States | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 13:10-13:20 | 87            |
| Oussema    | Jouini      | 83338 | Establishing a Tunisian Space Agency: A Strategic Imperative for National Empowerment and Global Engagement  | Tunisia       | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 13:20-13:30 | 87            |
| Mariana    | Garcia      | 81865 | URUGUAY; THE JEWEL OF LATIN AMERICA ON THE STAGE OF NEW SPACE 2.0  | Uruguay       | E11    | IAF SYMPOSIUM ON EMERGING  | 2024-10-16 | 12:50-13:00 | 88            |

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| Dharshun   | Sridharan   | 80993 | Fostering Workforce Capability and Viability in Emerging Space Nations   | Australia   | E11    | IAF SYMPOSIUM ON EMERGING | 2024-10-16 | 13:10-13:20 | 88            |
| Dimitra    | Stefoudi    | 91046 | The Greek 'space ecosystem': Starting small to test the waters   | The Nether  | E11    | IAF SYMPOSIUM ON EMERGING | 2024-10-16 | 13:20-13:30 | 88            |
| Luis       | Zea         | 85208 | The Central American Space Congress (CEC) - Connecting Governments, Industry, and Academia in Central America with the World |             | E11    | IAF SYMPOSIUM ON EMERGING | 2024-10-16 | 12:50-13:00 | 89            |
| Ashley     | Kosak       | 81115 | SpaceTime Protocol: Two-Way Interconnectivity as a collaborative learning mechanism  | United Stat | E11    | IAF SYMPOSIUM ON EMERGING | 2024-10-16 | 13:20-13:30 | 89            |
| George Ste | Fajardo Sor | 91393 | A REVIEW OF THE PERUVIAN AEROSPACE ECOSYSTEM:THE DEVELOPMENT OF PERUVIAN AEROSPACE PROJECTS AND INITIATIVES                  | Peru        | E11    | IAF SYMPOSIUM ON EMERGING | 2024-10-16 | 13:10-13:20 | 90            |
| Sheri      | Klug Boons  | 90840 | ASU Milo Space Science Institute: At-Scale Capacity Building to Enable STEM Workforce Growth for Emerging Space Ecosystems   | United Stat | E11    | IAF SYMPOSIUM ON EMERGING | 2024-10-16 | 13:20-13:30 | 90            |