Technical Sessions

a) Chemical Propulsion and Air-breathing Engines
b) Electric and Advanced Propulsion
c) Materials and Structures
d) Astrodynamics, Navigation Guidance and Control
e) Fluid Dynamics and Aerothermodynamics
f) Small Satellite: Joint session with NSAT
g) Space Transportation
h) Microgravity Sciences and Technology
i) Thermal Control
j) Satellite Communications, Broadcasting and Navigation
k) Science and Technology for Human and Robotic Space Exploration
m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle
n) Earth Observation
q) Space Power Systems
r) Space Environment and Debris
t) Systems Engineering and Information Technology
u) Space Education and Outreach for the Benefit of All People
v) Space Law, Policy and History
w) Safety and Mission Assurance
S) Student Finalist Session
Technical Poster Session

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
a-1	Hybrid Rocket 1	7/15	09:00-10:40	Meeting Room #5-2F	Koki Kitagawa	Kyushu Institute of Technology	2025-a-1-1	Effect of Baffle Plate Clearance on the Rear-End Regression Rate of Hybrid Rocket Fuel	Takato Okumura	Hokkaido University	6050183		
a-1	Hybrid Rocket 1	7/15	09:00-10:40	Meeting Room #5-2F	Koki Kitagawa	Kyushu Institute of Technology	2025-a-1-2	Hot-Firing Test Results and Fuel Regression Rate Characteristics of Cylindrical Liquid-Encapsulated Fuel for Hybrid Rockets	Junki Shimada	Saitama Institute of Technology Graduate School	6050818		
a-1	Hybrid Rocket 1	7/15	09:00-10:40	Meeting Room #5-2F	Koki Kitagawa	Kyushu Institute of Technology	2025-a-1-3	Effect of Combustion Chamber Design on Performance of Magnesium-Loaded HTPB/N2O Hybrid Rocket for Spacecraft	Tomoya Kanda	Tokyo Metropolitan University	6053730		
a-1	Hybrid Rocket 1	7/15	09:00-10:40	Meeting Room #5-2F	Koki Kitagawa	Kyushu Institute of Technology	2025-a-1-4	A Study on Throttling and Reusable Capability of Hybrid Rocket powered by the Engine with Multi-Section Swirl Injection Method and Aft Counter-Swirl Injection Method for Space Launch	Hibiki Takagi	Graduate school of Kurume Institute of Technology	6053779		
a-2	Hybrid Rocket 2	7/15	11:00-12:40	Meeting Room #5-2F	Harunori Nagata	Hokkaido University	2025-a-2-1	Enhancing Ignition and Combustion Stability in a Breadboard Model of a Water-Magnesium Wire Micropropulsion System	Minwoo Han	The University of Tokyo	6070052		
a-2	Hybrid Rocket 2	7/15	11:00-12:40	Meeting Room #5-2F	Harunori Nagata	Hokkaido University	2025-a-2-2	Development of an Ejector system for Micro-scale High Altitude Test Stand	Yamato Itoigawa	Letara Ltd.	6051271		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
a-2	Hybrid Rocket 2	7/15	11:00-12:40	Meeting Room #5-2F	Harunori Nagata	Hokkaido University	2025-a-2-3	Numerical Modeling of High Swirl Hybrid Rocket Engines and Comparison with Experiments	Alessio Sereno	Sapienza University of Rome	6053487		
a-2	Hybrid Rocket 2	7/15	11:00-12:40	Meeting Room #5-2F	Harunori Nagata	Hokkaido University	2025-a-2-4	Design Method for Axial Injection End-Burning Hybrid Rocket and Performance Comparison with Variable Strength Oxidizer Flow Swirl Type	Masahiro Kanazaki	Tokyo Metropolitan University	6065544		
a-3	Hybrid Rocket 3	7/15	14:00-15:40	Meeting Room #5-2F	Takashi Sakurai	Tokyo Metropolitan University	2025-a-3-1	Numerical Analysis of Soot Radiation in Hybrid Rockets with Pyrolyzing Fuels	Marco Fabiani	Sapienza University of Rome	6053653		
a-3	Hybrid Rocket 3	7/15	14:00-15:40	Meeting Room #5-2F	Takashi Sakurai	Tokyo Metropolitan University	2025-a-3-2	Thrust Performance Analysis of a Micropropulsion System using Magnesium Wire and Water	Mariko Akiyama	Japan Aerospace Exploration Agency	6064848		
a-3	Hybrid Rocket 3	7/15	14:00-15:40	Meeting Room #5-2F	Takashi Sakurai	Tokyo Metropolitan University	2025-a-3-3	EKF-Estimation of Hybrid Rocket Combustion with Various Port Shapes	Toru Shimada	College of Science and Technology, Nihon University	6050624		
a-4	Hybrid Rocket 4	7/15	16:00-17:40	Meeting Room #5-2F	Toru Shimada	Nihon University	2025-a-4-1	Feasibility Study of a Method for Maintaining Flame Position Using a Stable Equilibrium Point in a Water-Magnesium Hybrid Thruster	Masaki Fujii	The University of Tokyo	6065717		
a-4	Hybrid Rocket 4	7/15	16:00-17:40	Meeting Room #5-2F	Toru Shimada	Nihon University	2025-a-4-2	Experimental research progress on LOX regenerative-cooling SOFT hybrid rocket engine using paraffine-based fuel	Junya Maekawa	Tokyo Metropolitan University	6065655		
a-4	Hybrid Rocket 4	7/15	16:00-17:40	Meeting Room #5-2F	Toru Shimada	Nihon University	2025-a-4-3	A Study on Hybrid Rocket Engine with Multi-Section Swirl Injection and Aft Counter-Swirl Injection Method for Higher Performance	Shigeru Aso	Kurume Institute of Technology	6053830		
a-4	Hybrid Rocket 4	7/15	16:00-17:40	Meeting Room #5-2F	Toru Shimada	Nihon University	2025-a-4-4	Experiment on Flow Patterns and Heat Transfer of Liquid Oxygen Flow in a Thin Tube under High Heat Flux Conditions	Koki Kitagawa	Kyushu Institute of Technology	6065105		
a-5	Detonation Engine	7/16	08:40-10:40	Meeting Room #5-2F	Yusuke Maru	Japan Aerospace Exploration Agency	2025-a-5-1	Radial Visualization of the Detonation Wave in a Small-Scale Hydrogen-Oxygen Rotating Detonation Combustor	Wolfgang Ambruster	German Aerospace Center (DLR), Institute of Space Propulsion	6052273		
a-5	Detonation Engine	7/16	08:40-10:40	Meeting Room #5-2F	Yusuke Maru	Japan Aerospace Exploration Agency	2025-a-5-2	Numerical Analysis of Heat Transfer in a Rotating Detonation Engine	Jannis Petersen	Technische Universitat Dresden	6053885		
a-5	Detonation Engine	7/16	08:40-10:40	Meeting Room #5-2F	Yusuke Maru	Japan Aerospace Exploration Agency	2025-a-5-3	Wall Heat Flux Measurement of Rotating Detonation Engine Using Fast Response Thermocouples	Yuzuki Matoba	Department of Mechanical Engineering, Yokohama National University	6064883		
a-5	Detonation Engine	7/16	08:40-10:40	Meeting Room #5-2F	Yusuke Maru	Japan Aerospace Exploration Agency	2025-a-5-4	Heat Flux Measurements in a small-scale Oxygen-Hydrogen Rotating Detonation Rocket Combustor	Florian Ditsche	Technische Universitat Dresden	6065568		
a-5	Detonation Engine	7/16	08:40-10:40	Meeting Room #5-2F	Yusuke Maru	Japan Aerospace Exploration Agency	2025-a-5-5	System Study and Comparative Evaluation of Advanced Space Propulsion Applications Including Rotating Detonation Engines	Keisuke Michigami	JAXA	6065531		
a-5	Detonation Engine	7/16	08:40-10:40	Meeting Room #5-2F	Yusuke Maru	Japan Aerospace Exploration Agency	2025-a-5-6	Analyze of wave propagation modes observed on a subscale Rotating Detonation Combustor fed with gaseous H2-O2	Ewen BARD	ONERA - The French Aerospace Lab / DLR - German Aerospace Center	6052157		
a-6	Solid Rocket	7/16	11:00-12:40	Meeting Room #5-2F	Noboru Itouyama	Nagoya University	2025-a-6-1	Ignition Characteristics of Ammonium Dinitramide Based Energetic Ionic Liquids at High Temperatures	Naoya Segawa	College of Industrial Technology, Nihon University	6052758		
a-6	Solid Rocket	7/16	11:00-12:40	Meeting Room #5-2F	Noboru Itouyama	Nagoya University	2025-a-6-2	Combustion characteristics of solid propellants at low temperature conditions	Masahi Kurosu	Graduate School of Industrial Technology, Nihon University	6052842		
a-6	Solid Rocket	7/16	11:00-12:40	Meeting Room #5-2F	Noboru Itouyama	Nagoya University	2025-a-6-3	Burning Rate Reduction of Solid Propellants for Upper Stage Motor	Kotaro Matsumoto	Nihon University	6053489		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
a-6	Solid Rocket	7/16	11:00-12:40	Meeting Room #5-2F	Noboru Itouyama	Nagoya University	2025-a-6-4	High Speed Imaging of Boron/Potassium Nitrate Based Pyrotechnics Ignition Using High Intensity Ultraviolet Light	Ryuga Itaki	Kansai University	6053540		
a-7	Combustion 1	7/16	14:00-15:40	Meeting Room #5-2F	Kohji Tominaga	Japan Aerospace Exploration Agency	2025-a-7-1	Nonlinear mode decomposition of combustion instabilities in a sub- and supercritical LOX/LNG rocket combustor with large optical access	Jan Martin	German Aerospace Center (DLR)	6048739		
a-7	Combustion 1	7/16	14:00-15:40	Meeting Room #5-2F	Kohji Tominaga	Japan Aerospace Exploration Agency	2025-a-7-2	Detection of thermoacoustic combustion instabilities from jet exhaust noise of a pre-cooled turbojet engine afterburner	Koichi Omi	Gunma University	6052412		
a-7	Combustion 1	7/16	14:00-15:40	Meeting Room #5-2F	Kohji Tominaga	Japan Aerospace Exploration Agency	2025-a-7-3	Plasma-Assisted Flow Control for Improved Combustion Stability and Emission Reduction in Turbulent Aerospace Propulsion	Jose Angel Contreras R	Instituto Politecnico Nacional, ESIME Ticoman	6064853		
a-7	Combustion 1	7/16	14:00-15:40	Meeting Room #5-2F	Kohji Tominaga	Japan Aerospace Exploration Agency	2025-a-7-4	Study on Mode of Heat Release in Flame-Surrounded Areas Enhancing Combustion Oscillations in Rocket Combustor	Haruki Ito	Nihon University, Graduate School of Science and Engineering, Aerospace Engineering Sensors	6065823		
a-8	Thruster Technology	7/16	16:00-17:40	Meeting Room #5-2F	Kotaro Matsumoto	Nihon University	2025-a-8-1	Development of 100mN-class Thruster for 1U Microsatellite-Friendly Multi-Purpose Propulsion System	Toshiaki Iizuka	National Institute of Technology, Oyama College	6045845		
a-8	Thruster Technology	7/16	16:00-17:40	Meeting Room #5-2F	Kotaro Matsumoto	Nihon University	2025-a-8-2	Image processing techniques to characterise impingement and atomization of 3D printed like-on-like injectors for application to small liquid bipropellant RCS thrusters	Arash Piran	Nagoya University	6052161		
a-8	Thruster Technology	7/16	16:00-17:40	Meeting Room #5-2F	Kotaro Matsumoto	Nihon University	2025-a-8-3	Development States of a 50N-Class Green Monopropellant Thruster	Shinji Igarashi	Technologies Development Group	6063223		
a-8	Thruster Technology	7/16	16:00-17:40	Meeting Room #5-2F	Kotaro Matsumoto	Nihon University	2025-a-8-4	Application of Inkjet Technology in Aerospace Propulsion Systems	Oliver Marcel Huerta Ch	SEPI-ESIME Ticoman, Instituto Politecnico Nacional, Mexico	6065076		
a-8	Thruster Technology	7/16	16:00-17:40	Meeting Room #5-2F	Kotaro Matsumoto	Nihon University	2025-a-8-5	Designing Water Supply system for Water-Mg Hybrid Propulsion System with Feasibility Assessment of Regenerative Cooling	Sanguk JEONG	The University of Tokyo	6065831		
a-9	Supersonic Propulsion 1	7/17	09:00-10:40	Meeting Room #5-2F	Hideki Moriai	Kanazawa Institute of Technology	2025-a-9-1	Research Plan and Current Progress Titled as Ground Test Validation of Engine Design method with Wide Operation Range	Sadatake Tomioka	Japan Aerospace Exploration Agency	6053729		
a-9	Supersonic Propulsion 1	7/17	09:00-10:40	Meeting Room #5-2F	Hideki Moriai	Kanazawa Institute of Technology	2025-a-9-2	Jet Fuel Combustion in Scramjet Combustor Under Mach 3 Flight Conditions	Kan Kobayashi	Japan Aerospace Exploration Agency	6030675		
a-9	Supersonic Propulsion 1	7/17	09:00-10:40	Meeting Room #5-2F	Hideki Moriai	Kanazawa Institute of Technology	2025-a-9-3	Development of a High-Precision Measurement Technique for Torch-Injected Gas Using TDLAS and BOS Methods	Shinichiro Ogawa	Osaka Metropolitan University	6053809		
a-9	Supersonic Propulsion 1	7/17	09:00-10:40	Meeting Room #5-2F	Hideki Moriai	Kanazawa Institute of Technology	2025-a-9-4	Numerical simulation of instability in hydrocarbon fuel flow under supercritical conditions	Shun Takahashi	Japan Aerospace Exploration Agency	6063880		
a-9	Supersonic Propulsion 1	7/17	09:00-10:40	Meeting Room #5-2F	Hideki Moriai	Kanazawa Institute of Technology	2025-a-9-5	Stochastic Dynamics of the Afterburning in a Supersonic Fuel-Rich Rocket Plume	Stephane Boulal	ONERA	6003545		
a-10	Supersonic Propulsion 2	7/17	11:00-12:40	Meeting Room #5-2F	Shinichiro Ogawa	Osaka Metropolitan University	2025-a-10-1	Analytical Study of Ejector Jet Mode of RBCC.	Rion Ito	Chubu university	6044535		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
a-10	Supersonic Propulsion 2	7/17	11:00-12:40	Meeting Room #5-2F	Shinichiro Ogawa	Osaka Metropolitan University	2025-a-10-2	Numerical Investigation on Effect of Micro Vortex Generators in Mixed Compression Intake for HIMICO	Tomofumi Narita	Department of Applied Mechanics and Aerospace Engineering, Waseda University, Shinjuku Japan	6051478		
a-10	Supersonic Propulsion 2	7/17	11:00-12:40	Meeting Room #5-2F	Shinichiro Ogawa	Osaka Metropolitan University	2025-a-10-3	Design and verification of hypersonic inward-turning inlet	Shuhei Yamada	The Japan Society for Aeronautical and Space Sciences	6052474		
a-10	Supersonic Propulsion 2	7/17	11:00-12:40	Meeting Room #5-2F	Shinichiro Ogawa	Osaka Metropolitan University	2025-a-10-4	A Three-Dimensional Busemann Inlet Ingesting Boundary Layer	Yusuke Maru	Japan Aerospace Exploration Agency	6064585		
a-10	Supersonic Propulsion 2	7/17	11:00-12:40	Meeting Room #5-2F	Shinichiro Ogawa	Osaka Metropolitan University	2025-a-10-5	Validation of combustion analysis of a simplified model of Rocket-based combined cycle engines in Mach 8 flight	Kei Fukuzawa	Kanazawa Institute of Technology	6065512		
a-11	Combustion 2	7/17	14:00-15:40	Meeting Room #5-2F	Koichi Omi	Gunma University	2025-a-11-1	Fundamental Combustion Research on Sustainable Rocket Propellant (SRP)	Taisei Takaoka	The University of Tokyo	6047573		
a-11	Combustion 2	7/17	14:00-15:40	Meeting Room #5-2F	Koichi Omi	Gunma University	2025-a-11-2	Investigation of soot formation trends in the combustion of conventional and sustainable fuels	Rin Nakamura	Nihon University	6052701		
a-11	Combustion 2	7/17	14:00-15:40	Meeting Room #5-2F	Koichi Omi	Gunma University	2025-a-11-3	Droplet Diameter Measurements during Atomization in Pintle Injectors and Its Effects on Combustion Performance	Taikoh Sato	The University of Tokyo	6053482		
a-11	Combustion 2	7/17	14:00-15:40	Meeting Room #5-2F	Koichi Omi	Gunma University	2025-a-11-4	Performance Prediction of Liquid Rocket Engine Using Optical Patternator	Kohji Tominaga	JAXA	6065684		
a-11	Combustion 2	7/17	14:00-15:40	Meeting Room #5-2F	Koichi Omi	Gunma University	2025-a-11-5	Numerically Efficient Real Fluid Flamelet-based Combustion and Heat Transfer Modeling Approach for Liquid Rocket Engine Thrust Chambers	Marvin Pommerening	ArianeGroup GmbH | Technical University of Munich (TUM)	6065791		
a-12	Liquid Rocket	7/17	16:00-17:40	Meeting Room #5-2F	Aporo Fukuchi	Saitama Institute of Technology	2025-a-12-1	Performance Impact of Stratified Supersonic Flow in Full Impulse Turbine with Partial Admission	Robson Henrique dos S	German Aerospace Center	6053386		
a-12	Liquid Rocket	7/17	16:00-17:40	Meeting Room #5-2F	Aporo Fukuchi	Saitama Institute of Technology	2025-a-12-2	Investigation of Axial Stability in a Centrifugal Pump with an Unshrouded Impeller for Rocket Engines under Cavitating Conditions	Kento Sakai	Waseda University	6053764		
a-12	Liquid Rocket	7/17	16:00-17:40	Meeting Room #5-2F	Aporo Fukuchi	Saitama Institute of Technology	2025-a-12-3	LUMEN: Putting into Operation a Flexible Test Bed for Next-Generation Rocket Engine Technologies	Tobias Traudt	DLR	6065548		
a-12	Liquid Rocket	7/17	16:00-17:40	Meeting Room #5-2F	Aporo Fukuchi	Saitama Institute of Technology	2025-a-12-4	Research on the Effect of Flow Turbulence on Frosting Simulation Considering Mist Generation on a Cryogenic Surface	Hikaru Nishikawa	Waseda University	6051832		
a-12	Liquid Rocket	7/17	16:00-17:40	Meeting Room #5-2F	Aporo Fukuchi	Saitama Institute of Technology	2025-a-12-5	Development of turbopumps for LE-9, the first stage engine of H3 Launch Vehicle	Taiichi Motomura	IHI corporation	6116058		
a-13	Next Generation System	7/18	09:00-10:40	Meeting Room #5-2F	Kaname Kawatsu	Japan Aerospace Exploration Agency	2025-a-13-1	Conceptual study rocket engine using high-pressure hydrogen gas	Yuki Matsuda	Chubu university	6053258		
a-13	Next Generation System	7/18	09:00-10:40	Meeting Room #5-2F	Kaname Kawatsu	Japan Aerospace Exploration Agency	2025-a-13-2	Throttling Performance Analysis of a Full Flow Cycle through System Dynamic Simulation	Kaito KIMURA	Muroran Institute of Technology	6063633		
a-13	Next Generation System	7/18	09:00-10:40	Meeting Room #5-2F	Kaname Kawatsu	Japan Aerospace Exploration Agency	2025-a-13-3	Application of EcosimPro ESPSS for Propulsion System Preliminary Sizing Methodology	Ludovica Formisani	European Space Agency	6064502		
a-13	Next Generation System	7/18	09:00-10:40	Meeting Room #5-2F	Kaname Kawatsu	Japan Aerospace Exploration Agency	2025-a-13-4	Development of a Mobile Hot-Fire Test Bench at European Space Agency	Juliusz Saryczew	European Space Agency	6065744		
a-13	Next Generation System	7/18	09:00-10:40	Meeting Room #5-2F	Kaname Kawatsu	Japan Aerospace Exploration Agency	2025-a-13-5	DEVELOPMENT OF A 30KN CLASS LOX/METHANE UPPER STAGE ENGINE	Fumihisa Nagashima	IHI Corporation	6116624		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
b-1	Gridded Ion thruster	7/15	09:00-10:40	Meeting Room #1-3F	Yasushi Ohkawa	Japan Aerospace Exploration Agency	2025-b-1-1	The Velocimetry of Xenon Ions near the Microwave Ion Thruster for Studying Sputtering on Spacecrafts	Yasuaki Aiba	The Graduate University for Advanced Studies, SOKENDAI	6053770	Makoto Matsui	University of Shizuoka
b-1	Gridded Ion thruster	7/15	09:00-10:40	Meeting Room #1-3F	Yasushi Ohkawa	Japan Aerospace Exploration Agency	2025-b-1-2	Thrust enhancement and experimental investigation of higher frequency microwave discharge ion thruster	Takuya Koiso	Department of Aeronautics and Astronautics, The University of Tokyo	6053806	Makoto Matsui	University of Shizuoka
b-1	Gridded Ion thruster	7/15	09:00-10:40	Meeting Room #1-3F	Yasushi Ohkawa	Japan Aerospace Exploration Agency	2025-b-1-3	Development of Air Breathing Ion Engine System for Orbital Demonstration	Takato Morishita	JAXA	6065351	Makoto Matsui	University of Shizuoka
b-1	Gridded Ion thruster	7/15	09:00-10:40	Meeting Room #1-3F	Yasushi Ohkawa	Japan Aerospace Exploration Agency	2025-b-1-4	Experimental Verification of Effect of Cathode Type on Energy Distribution of Backflow Ions in 10 cm-class Gridded Ion Thruster Operation	Takanobu Muranaka	Chukyo University	6065648	Makoto Matsui	University of Shizuoka
b-2	Electrothermal thruster	7/15	11:00-12:40	Meeting Room #1-3F	Junichiroh Aoyagi	University of Yamanashi	2025-b-2-1	Optimization and testing of an additively manufactured multi-wall electrothermal thruster	Alexander Scott Hillstro	Nagoya University	6052637	Takahash Masayuki	Tohoku University
b-2	Electrothermal thruster	7/15	11:00-12:40	Meeting Room #1-3F	Junichiroh Aoyagi	University of Yamanashi	2025-b-2-2	Development of Ignitor with Plasma Interaction for Surface Arc Thruster	Kazuki Nishioka	Kyushu Institute of Technology	6053375	Takahash Masayuki	Tohoku University
b-2	Electrothermal thruster	7/15	11:00-12:40	Meeting Room #1-3F	Junichiroh Aoyagi	University of Yamanashi	2025-b-2-3	Experimental study of a Chemical-Electric Dual-Mode Thruster with microwave plasma	Tomohiro Abe	Tokyo Metropolitan University	6053728	Takahash Masayuki	Tohoku University
b-3	Electrothermal thruster/PPT	7/15	14:00-15:40	Meeting Room #1-3F	Kazuhiro Toyoda	Kyushu Institute of Technology	2025-b-3-1	Development of Commercially-Available High-Total-Impulse Electrothermal Pulsed Plasma Thruster Systems in Osaka Sangyo University-from Charging Electric Energy/Power: 1J/1W for 1U(1kg) Cubesats to 50J/50W for 50cm Cube (50kg) Nano-Satellites-	Yoshihiro Takakuwa	Osaka Sangyo University	6045891	Keita Nishii	Tokyo Metropolitan University
b-3	Electrothermal thruster/PPT	7/15	14:00-15:40	Meeting Room #1-3F	Kazuhiro Toyoda	Kyushu Institute of Technology	2025-b-3-2	Development of Ablative Solid-Propellant Steady-State Electro-Thermal Thrusters for Cubesat and Very Very Small Satellites	Ataru Sawabe	Osaka Sangyo University	6045922	Keita Nishii	Tokyo Metropolitan University
b-3	Electrothermal thruster/PPT	7/15	14:00-15:40	Meeting Room #1-3F	Kazuhiro Toyoda	Kyushu Institute of Technology	2025-b-3-3	Development and Experimental Evaluation of an Electron Gun for Electron Beam Ablation Propulsion	Shoh Saitoh	Osaka Metropolitan University	6065587	Keita Nishii	Tokyo Metropolitan University
b-3	Electrothermal thruster/PPT	7/15	14:00-15:40	Meeting Room #1-3F	Kazuhiro Toyoda	Kyushu Institute of Technology	2025-b-3-4	Multi-injection Type Pulsed Plasma Thruster Using water propellant	Akinori Hoshi	Tokyo Metropolitan University	6053407	Keita Nishii	Tokyo Metropolitan University
b-3	Electrothermal thruster/PPT	7/15	14:00-15:40	Meeting Room #1-3F	Kazuhiro Toyoda	Kyushu Institute of Technology	2025-b-3-5	Effect of Wiring Design Between Thruster Head and Capacitor on Thrust Performance of 2 J Pulsed Plasma Thruster in 1U Cubesat Structure	Satoshi Nagashima	The University of Yamanashi	6065765	Keita Nishii	Tokyo Metropolitan University
b-4	Advanced propulsion	7/15	16:00-17:40	Meeting Room #1-3F	Hideki Moriai	Kanazawa Institute of Technology	2025-b-4-1	Nuclear Propulsion High Level Concept Comparison	Armin Herbertz	ESA	6064734	Hiroshi Katsurayama	Tottori University
b-4	Advanced propulsion	7/15	16:00-17:40	Meeting Room #1-3F	Hideki Moriai	Kanazawa Institute of Technology	2025-b-4-2	Magnetic reconnection as a mean for advanced high specific impulse plasma thrusters	Giulia Becatti	University of Stuttgart	6055948	Hiroshi Katsurayama	Tottori University
b-4	Advanced propulsion	7/15	16:00-17:40	Meeting Room #1-3F	Hideki Moriai	Kanazawa Institute of Technology	2025-b-4-3	Numerical Simulation on Thrust Performance and Flight Feasibility of a Laser-blast Rider Hypersonically Orbiting in a Rarefied Atmosphere	Sakira Uno	Department of Aerospace Engineering, Tohoku University	6053832	Hiroshi Katsurayama	Tottori University
b-4	Advanced propulsion	7/15	16:00-17:40	Meeting Room #1-3F	Hideki Moriai	Kanazawa Institute of Technology	2025-b-4-4	Laser Thomson Scattering Measurement of Laser Supported Detonation Plasma	Yoshiaki Tabuchi	Tottori University	6065206	Hiroshi Katsurayama	Tottori University
b-5	Air breathing (1)	7/16	09:00-10:40	Meeting Room #1-3F	Masahito Tagawa	Kobe University	2025-b-5-1	Direct Thrust Measurement on Air-breathing Plasma Jet Thruster	Kazuki Manabe	Osaka Metropolitan University	6065197	Ryudo Tsukizaki	Japan Aerospace Exploration Agency
b-6	Air breathing (2)	7/16	11:00-12:40	Meeting Room #1-3F	Takato Morishita	Japan Aerospace Exploration Agency	2025-b-6-1	On-orbit Atmospheric Density Measurement System	Noriaki Mukai	Kobe University	6051721	Maho Matsukura	The University of Tokyo
b-6	Air breathing (2)	7/16	11:00-12:40	Meeting Room #1-3F	Takato Morishita	Japan Aerospace Exploration Agency	2025-b-6-2	Compression Performance in Air Breathing Ion Engine using 3D-Fabricated Molecular Reflector	Yuki Ikushima	Kobe University	6051893	Maho Matsukura	The University of Tokyo

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
b-6	Air breathing (2)	7/16	11:00-12:40	Meeting Room #1-3F	Takato Morishita	Japan Aerospace Exploration Agency	2025-b-6-3	Experimental Evaluation of Anisotropic Molecular Scattering Surfaces for Intake System of Air Breathing Ion Engine	Yuto Kigo	Kobe University	6052572	Maho Matsukura	The University of Tokyo
b-6	Air breathing (2)	7/16	11:00-12:40	Meeting Room #1-3F	Takato Morishita	Japan Aerospace Exploration Agency	2025-b-6-4	Low-cost Fabrication Method of Surface Texture for High-compression ABIE Intake	Yuki Terazawa	Kobe University	6053465	Maho Matsukura	The University of Tokyo
b-6	Air breathing (2)	7/16	11:00-12:40	Meeting Room #1-3F	Takato Morishita	Japan Aerospace Exploration Agency	2025-b-6-5	Optimization of the ABIE Intake Model for Pressure Measurement in Rarefied Gas Flow	Ryunosuke Endo	Waseda University	6053818	Maho Matsukura	The University of Tokyo
b-6	Air breathing (2)	7/16	11:00-12:40	Meeting Room #1-3F	Takato Morishita	Japan Aerospace Exploration Agency	2025-b-6-6	A Computational Study on Improvement of Air Compression Performance and Particle Collection Efficiency for Air Breathing Ion Engine	Sotaro Nishinoue	Kobe University	6052048	Maho Matsukura	The University of Tokyo
b-7	Hall thruster (1)	7/16	14:00-15:40	Meeting Room #1-3F	Kimiya Komurasaki	The University of Tokyo	2025-b-7-1	The Effect of Magnetic Flux Density on the Performance and Discharge Current Oscillation in a Double-Channel Hall Thruster	Nanami Takiguchi	Tokyo Metropolitan University	6051949	Takanobu Muranaka	Chukyo University
b-7	Hall thruster (1)	7/16	14:00-15:40	Meeting Room #1-3F	Kimiya Komurasaki	The University of Tokyo	2025-b-7-2	Impact of Magnet Field Configuration on Improvement of Small-size Low-power Hall Thruster	Shizuku Hiroe	Tokai University	6064739	Takanobu Muranaka	Chukyo University
b-8	Hall thruster (2)	7/16	16:00-17:40	Meeting Room #1-3F	Ikkoh Funaki	Japan Aerospace Exploration Agency	2025-b-8-1	Investigation of the Effect of Channel Width on Hall Thruster Using Carbon Dioxide	Kento Takeuchi	Shizuoka University	6051903	Hideyuki Horisawa	Tokai University
b-8	Hall thruster (2)	7/16	16:00-17:40	Meeting Room #1-3F	Ikkoh Funaki	Japan Aerospace Exploration Agency	2025-b-8-2	Investigation of Effects for Multi-Step Ionization and Dissociation in a CO2 Hall Thruster Using Fully Kinetic Simulation	Haku Suzuki	Shizuoka University	6051907	Hideyuki Horisawa	Tokai University
b-8	Hall thruster (2)	7/16	16:00-17:40	Meeting Room #1-3F	Ikkoh Funaki	Japan Aerospace Exploration Agency	2025-b-8-3	An argon Hall thruster using a hollow anode with corrugated surface	Dibyesh Satpathy	University of Tokyo	6052518	Hideyuki Horisawa	Tokai University
b-8	Hall thruster (2)	7/16	16:00-17:40	Meeting Room #1-3F	Ikkoh Funaki	Japan Aerospace Exploration Agency	2025-b-8-4	Study of Low-power Argon-fed Magnetic Layer Hall Thrusters	Kenta Yanagihara	Tokai University	6064673	Hideyuki Horisawa	Tokai University
b-9	Hall thruster (3)	7/17	09:00-10:40	Meeting Room #1-3F	Naoji Yamamoto	Kyushu University	2025-b-9-1	Magnetic Field Characteristics and Plasma Generation in a Coil-Separated Hall Thruster	Daisuke SUDO	Department of Electrical Engineering and Computer Science, Shibaura Institute of Technology	6065695	Kiyoshi Kinefuchi	Nagoya University
b-9	Hall thruster (3)	7/17	09:00-10:40	Meeting Room #1-3F	Naoji Yamamoto	Kyushu University	2025-b-9-2	Two-dimensional Electron Transport Analysis of an Anode-layer Hall Thruster with Chevron Anode	Akira FURUYA	Department of Electrical Engineering and Computer Science, Shibaura Institute of Technology	6065609	Kiyoshi Kinefuchi	Nagoya University
b-9	Hall thruster (3)	7/17	09:00-10:40	Meeting Room #1-3F	Naoji Yamamoto	Kyushu University	2025-b-9-3	A Visualized Cylindrical Hall Thruster with Permanent Magnets	Yoshinori Nakayama	National Defense Academy	6053700	Kiyoshi Kinefuchi	Nagoya University
b-10	Hall thruster (4)	7/17	11:00-12:40	Meeting Room #1-3F	Rei Kawashima	Shibaura Institute of Technology	2025-b-10-1	Temporal-Spatial structure of plasma fluctuations in a Hall thruster using microwave interferometer	naoji yamamoto	Kyushu University	6065805	Yusuke Yamashita	Japan Aerospace Exploration Agency
b-10	Hall thruster (4)	7/17	11:00-12:40	Meeting Room #1-3F	Rei Kawashima	Shibaura Institute of Technology	2025-b-10-2	Neutral Gas Flow Dynamics in a Hall thruster Dominated by Wall Reflections	Jiwon Lee	The University of Tokyo	6052993	Yusuke Yamashita	Japan Aerospace Exploration Agency
b-10	Hall thruster (4)	7/17	11:00-12:40	Meeting Room #1-3F	Rei Kawashima	Shibaura Institute of Technology	2025-b-10-3	Investigation of Electron Drift Instability with Low Mass Propellant using 2D3V Particle-In-Cell Simulations	Maho Matsukura	The University of Tokyo	6053897	Yusuke Yamashita	Japan Aerospace Exploration Agency
b-10	Hall thruster (4)	7/17	11:00-12:40	Meeting Room #1-3F	Rei Kawashima	Shibaura Institute of Technology	2025-b-10-4	elucidation of neutralization mechanism in hall thruster	Yuya Ogata	Kyushu University, Interdisciplinary Graduate School of Engineering Sciences	6065832	Yusuke Yamashita	Japan Aerospace Exploration Agency
b-10	Hall thruster (4)	7/17	11:00-12:40	Meeting Room #1-3F	Rei Kawashima	Shibaura Institute of Technology	2025-b-10-5	Particle Simulation of Miniature Anode-Layer Hall Thruster Operating Characteristics	Yansheng Yang	Ph.D candate	6064917	Yusuke Yamashita	Japan Aerospace Exploration Agency

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
b-11	RF/Helicon	7/17	14:00-15:40	Meeting Room #1-3F	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-11-1	Dependence of plasma acceleration on strength of rotating magnetic field in RF plasma thruster using a magnetic cusp	Takeru Furukawa	Kobe University	6065826	Yuya Oshio	Ryukoku University
b-11	RF/Helicon	7/17	14:00-15:40	Meeting Room #1-3F	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-11-2	Numerical Investigations on Plasma Acceleration and Wave-driven Transport in a Magnetic Nozzle	Yuto Kitauchi	Yokohama National University	6063856	Yuya Oshio	Ryukoku University
b-11	RF/Helicon	7/17	14:00-15:40	Meeting Room #1-3F	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-11-3	Development of a Multifluid-FDTD Model to Investigate the Effect of Plasma Source on the Exit of a Helicon Plasma Thruster	Shlok Shrivastava	Tohoku University	6051951	Yuya Oshio	Ryukoku University
b-11	RF/Helicon	7/17	14:00-15:40	Meeting Room #1-3F	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-11-4	Development and Implementation of Diagnostic Probes for Plasma Characterisation in Helicon-Based Plasma Thrusters for Very Low Earth Orbit Applications	Elizabeth Gutierrez	Institute of Space Systems (IRS), University of Stuttgart	6062859	Yuya Oshio	Ryukoku University
b-12	Electrostatic thruster	7/17	16:00-17:40	Meeting Room #1-3F	Masakatsu Nakano	Tokyo Metropolitan College of Industrial Technology	2025-b-12-1	Flow Rate Influence on Ion Beam Characteristics for Electrospray Thrusters	Ayane Yasuno	Yokohama National University	6049714	Takahash Masayuki	Tohoku University
b-12	Electrostatic thruster	7/17	16:00-17:40	Meeting Room #1-3F	Masakatsu Nakano	Tokyo Metropolitan College of Industrial Technology	2025-b-12-2	Fabrication of Ultra-High-Density Emitter Arrays for Electrospray Thrusters with Improved Uniformity	Shotaro Shimizu	Yokohama National University	6064167	Takahash Masayuki	Tohoku University
b-12	Electrostatic thruster	7/17	16:00-17:40	Meeting Room #1-3F	Masakatsu Nakano	Tokyo Metropolitan College of Industrial Technology	2025-b-12-3	Numerical Analysis of DBD-Based Ion Wind Thruster Under Martian Atmospheric Conditions	Raul Alberto Bernal-Or	SEPI ESIME Ticoman, Instituto Politecnico Nacional	6064985	Takahash Masayuki	Tohoku University
b-12	Electrostatic thruster	7/17	16:00-17:40	Meeting Room #1-3F	Masakatsu Nakano	Tokyo Metropolitan College of Industrial Technology	2025-b-12-4	A Study of Electrostatic Thrust Generation using Dust Plasma	Takaki Ikeda	Sersunan University	6065163	Takahash Masayuki	Tohoku University
b-13	Electromagnetic thruster	7/18	09:00-10:40	Meeting Room #1-3F	Furukawa Takeru	Kobe University	2025-b-13-1	Construction of experimental Facility for a SF-small MPD thruster at Tokyo Polytechnic University	Terumasa Kikuchi	Graduate School of Engineering, Tokyo Polytechnic University	6053471	Yoshinori Takao	Yokohama National University
b-13	Electromagnetic thruster	7/18	09:00-10:40	Meeting Room #1-3F	Furukawa Takeru	Kobe University	2025-b-13-2	Thruster and testing facility design developments of the advanced 5 kW AF-MPD SUPREME	David Wanke	Institute of Space Systems, University of Stuttgart	6060689	Yoshinori Takao	Yokohama National University
b-13	Electromagnetic thruster	7/18	09:00-10:40	Meeting Room #1-3F	Furukawa Takeru	Kobe University	2025-b-13-3	Research on the micro MPD thruster for the development of the full-scale Air-breathing MPD thruster	Hiroshi Itakura	Kanazawa Institute of technology	6064231	Yoshinori Takao	Yokohama National University
b-13	Electromagnetic thruster	7/18	09:00-10:40	Meeting Room #1-3F	Furukawa Takeru	Kobe University	2025-b-13-4	Sensitivity of Ion Flow Velocity and Ion Energy Distribution to Acceleration Frequency in a Radially Magnetized Inductive Plasma Accelerator	Senior Shimhanda	The University of Tokyo	6052749	Yoshinori Takao	Yokohama National University
b-14	Cathode/Facility	7/18	11:00-12:40	Meeting Room #1-3F	Shun Imai	Japan Aerospace Exploration Agency	2025-b-14-1	Characterization of LaB6 hollow cathode thermal behaviour and plasma in emitter region	Yuya Oshio	Ryukoku University	6064376	Hiroki Watanabe	Japan Aerospace Exploration Agency
b-14	Cathode/Facility	7/18	11:00-12:40	Meeting Room #1-3F	Shun Imai	Japan Aerospace Exploration Agency	2025-b-14-2	Numerical Analysis of Rarefied Propellant Flow within a Vacuum Chamber and Comparison to Experimental Data	Keita Nishii	Tokyo Metropolitan University	6051571	Hiroki Watanabe	Japan Aerospace Exploration Agency
b-14	Cathode/Facility	7/18	11:00-12:40	Meeting Room #1-3F	Shun Imai	Japan Aerospace Exploration Agency	2025-b-14-3	Measurement Evaluation of Circumferential Dynamic Pressure Distribution of Rarefied Electric Propulsion Propellant Flow	Tsubasa Ito	National Defense Academy	6064300	Hiroki Watanabe	Japan Aerospace Exploration Agency
b-14	Cathode/Facility	7/18	11:00-12:40	Meeting Room #1-3F	Shun Imai	Japan Aerospace Exploration Agency	2025-b-14-4	Effect of Residual Air on Sputtering Rates of Stainless-Steel and Titanium: Experimental and Modeling Study for Electric Propulsion Applications	Masakatsu Nakano	Tokyo Metropolitan College of Industrial Technology	6060855	Hiroki Watanabe	Japan Aerospace Exploration Agency
c-1	Membrane Structures	7/16	09:00-10:40	S1 Room	Tomohiro Yokozeki	University of Tokyo)ki(University of Tokyo	2025-c-1-1	Pseud-Stereo Vision Suitable for Membrane Shape Estimation	Tetsuya Kusumoto	JAXA	6049366		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
c-1	Membrane Structures	7/16	09:00-10:40	S1 Room	Tomohiro Yokozeki	University of Tokyo)ki(University of Tokyo	2025-c-1-2	Low-Cost Computation Method of Wrinkle Amplitude using Tension Field Theory for Square Tensioned membranes	Naohiro Tojima	Aerospace and Marine Department, Graduate School of Engineering	6049616		
c-1	Membrane Structures	7/16	09:00-10:40	S1 Room	Tomohiro Yokozeki	University of Tokyo)ki(University of Tokyo	2025-c-1-3	Finite Element Analysis for Clarifying the Wrinkle Characteristics of Boom-Supported Polygonal Membranes	Ryuki Shimizu	Aoyama Gakuin University	6054846		
c-1	Membrane Structures	7/16	09:00-10:40	S1 Room	Tomohiro Yokozeki	University of Tokyo)ki(University of Tokyo	2025-c-1-4	Accuracy Compensation of Surface Shape of Membrane Structure	Hironobu Sugano	SOKENDAI	6065580		
c-2	Space Structures	7/16	11:00-12:40	S1 Room	Kazuya Kitamoto	Japan Aerospace Exploration Agency	2025-c-2-1	Performance Evaluation of a Pointing Control System Using a Statically Indeterminate Structure with Thermal Expansion Actuators	Nobuatsu Aoki	Waseda University	6049386		
c-2	Space Structures	7/16	11:00-12:40	S1 Room	Kazuya Kitamoto	Japan Aerospace Exploration Agency	2025-c-2-2	Estimation of Thermal Properties to Improve Responsiveness in Pointing Control Using Thermal Expansion Actuators	Takeru Kon	Waseda Univercity	6051131		
c-2	Space Structures	7/16	11:00-12:40	S1 Room	Kazuya Kitamoto	Japan Aerospace Exploration Agency	2025-c-2-3	Structural Optimization of Cylindrical Composite Shells for Space Launch Vehicles	Kakeru Miyoshi	University of Tokyo	6051310		
c-2	Space Structures	7/16	11:00-12:40	S1 Room	Kazuya Kitamoto	Japan Aerospace Exploration Agency	2025-c-2-4	A Time- and Temperature-Dependent Viscoelastic Analysis on CFRP Bistable Boom for Space Applications	Yuta Sunaga	School of Engineering, the University of Tokyo	6051699		
c-2	Space Structures	7/16	11:00-12:40	S1 Room	Kazuya Kitamoto	Japan Aerospace Exploration Agency	2025-c-2-5	Experimental Evaluation of Structural Characteristics of Beams Consisting of Lattice Structures with Slits for High Accuracy Deployable Structures	Hiroaki Tanaka	National Defense Academy of Japan	6051710		
c-3	Materials and Design	7/16	14:00-15:40	S1 Room	Masaki Kotani	Japan Aerospace Exploration Agency	2025-c-3-1	Design of 3D-Printed Isolators for Multi-Degrees of Freedom Mechanical Vibration —Towards a Thermal and Vibration Isolation Mechanism with High Shape Stability—	Takafumi Suda	Waseda University	6048776		
c-3	Materials and Design	7/16	14:00-15:40	S1 Room	Masaki Kotani	Japan Aerospace Exploration Agency	2025-c-3-2	The Effects of Process Parameters on the Microstructure and Mechanical Properties of Additively Manufactured Ti-6Al-4V under Selective Laser Melting	Nasa Tsuchiya	The University of Tokyo	6052954		
c-3	Materials and Design	7/16	14:00-15:40	S1 Room	Masaki Kotani	Japan Aerospace Exploration Agency	2025-c-3-3	Feasibility Study of Auxetic Design for Space Structures	Atsushi Komuro	Tokyo City University	6052982		
c-3	Materials and Design	7/16	14:00-15:40	S1 Room	Masaki Kotani	Japan Aerospace Exploration Agency	2025-c-3-4	Euler Path Selection for the In-Space Assembly and Manufacturing of Truss Structures	Harsh Bhundiya	Massachusetts Institute of Technology	6052262		
c-4	Analysis and Design	7/16	16:00-18:00	S1 Room	Hiroaki Tanaka	National Defense Academy of Japan	2025-c-4-1	Deployable structures applying origami with multi-stable properties	Keisuke Okazaki	University of Tokyo	6052394		
c-4	Analysis and Design	7/16	16:00-18:00	S1 Room	Hiroaki Tanaka	National Defense Academy of Japan	2025-c-4-2	Mechanum Wheel Rover for Gravity Compensation Testing of Deployable Structures	Akira Nakagiri	Tokyo city University	6052985		
c-4	Analysis and Design	7/16	16:00-18:00	S1 Room	Hiroaki Tanaka	National Defense Academy of Japan	2025-c-4-3	Alignment design of the extension boom for Comet Interceptor	Hirohide Shiratori	Japan Aerospace Exploration Agency	6064612		
c-4	Analysis and Design	7/16	16:00-18:00	S1 Room	Hiroaki Tanaka	National Defense Academy of Japan	2025-c-4-4	Analysis of Deployment Behavior of Boom Deployable Triangular Shaped Thin Film Structure by Multi-Particle Method	Hiroaki Yoneda	Aoyama Gakuin University Gladuate School	6065779		
c-4	Analysis and Design	7/16	16:00-18:00	S1 Room	Hiroaki Tanaka	National Defense Academy of Japan	2025-c-4-5	Ground-based Experimental Simulation of FEP Erosion Observed by SLATS/MDM Mission.	Yuta Takenaka	Kobe University	6064990		
c-4	Analysis and Design	7/16	16:00-18:00	S1 Room	Hiroaki Tanaka	National Defense Academy of Japan	2025-c-4-6	Design of a Compact Lightweight Model Satellite Structure Featuring an Integrated Filter Wheel Mechanism	Nico Febrian Tan	Gadjah Mada University	6065841		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
c-5	Vibration	7/17	09:00-10:40	S1 Room	Natsuki Tsushima	Kyushu University	2025-c-5-1	Investigation on nonlinearity of a vibrating flexible beam with piezoelectric film	Kento Shimura	Department of Aerospace Engineering, Tohoku University	6051496		
c-5	Vibration	7/17	09:00-10:40	S1 Room	Natsuki Tsushima	Kyushu University	2025-c-5-2	Experimental evaluation of a magnetorheological gel isolator for suppressing rotational micro-vibration	Mizuki Abe	Japan Aerospace Exploration Agency	6052467		
c-5	Vibration	7/17	09:00-10:40	S1 Room	Natsuki Tsushima	Kyushu University	2025-c-5-3	Research on Satellite Structures with Vibration Damping Effects	Kentaro Shirai	Tokyo Metropolitan University	6052512		
c-5	Vibration	7/17	09:00-10:40	S1 Room	Natsuki Tsushima	Kyushu University	2025-c-5-4	Reduced observation requirement for magnetostrictive semi-active vibration energy harvesting in space structure	Yuusuke Kobayashi	Tohoku University	6053262		
c-5	Vibration	7/17	09:00-10:40	S1 Room	Natsuki Tsushima	Kyushu University	2025-c-5-5	Sensor-Less and Energy-Efficient Structural Health Monitoring for Piezoelectric Smart Space Structure	Yushin HARA	Tohoku University	6053361		
c-6	Satellite Structures(1)	7/17	11:00-12:40	S1 Room	Yushin Hara	Tohoku University	2025-c-6-1	Experimental Verification of Error Propagation Formula in Fringe Projection Photogrammetry with Whole-Space Tabulation Method	Daito Sato	Osaka Prefectural University	6051926		
c-6	Satellite Structures(1)	7/17	11:00-12:40	S1 Room	Yushin Hara	Tohoku University	2025-c-6-2	Utilization of a Reduced Order Landing Dynamics Model towards Operation Decision Making for Martian Moons eXploration (MMX)	Hiroaki Amakawa	Japan Aerospace Exploration Agency	6053672		
c-6	Satellite Structures(1)	7/17	11:00-12:40	S1 Room	Yushin Hara	Tohoku University	2025-c-6-3	Feasibility Study of Alumina Reduction by Combined Hydrogen Plasma and Electrolysis	Kenji Yonekura	Graduate School of Integrated Science and Technology, Matsui Laboratory, Shizuoka Un	6053774		
c-6	Satellite Structures(1)	7/17	11:00-12:40	S1 Room	Yushin Hara	Tohoku University	2025-c-6-4	Design and Simulation of a Dipole Antenna Deployment Mechanism for 1U to 6U CubeSat Applications	Chinathip Narongphun	Kyushu Institute of Technology	6053435		
c-6	Satellite Structures(1)	7/17	11:00-12:40	S1 Room	Yushin Hara	Tohoku University	2025-c-6-5	Effectiveness Validation of Clamping-type Mesh Fastening Techniques for Deployable Mesh Antenna	Jae-Seop Choi	Korea Aerospace University	6053643		
c-7	Satellite Structures(2)	7/17	14:00-15:40	S1 Room	Yasutaka Sato	Japan Aerospace Exploration Agency	2025-c-7-1	Designing a Liquid Mirror Telescope Using Magnetic Fields to Deform Magnetorheological Fluid into a Parabola	Jennifer Ng	University of Tokyo	6031895		
c-7	Satellite Structures(2)	7/17	14:00-15:40	S1 Room	Yasutaka Sato	Japan Aerospace Exploration Agency	2025-c-7-2	Degradation Origin of Fluorinated Materials in Very Low Earth Orbit: Evaluation by Ground-based Investigation	Kazuki Ueta	Kobe University	6064436		
c-7	Satellite Structures(2)	7/17	14:00-15:40	S1 Room	Yasutaka Sato	Japan Aerospace Exploration Agency	2025-c-7-3	Experimental Evaluation of Space Radiation Shielding Characteristics in Wood Materials	Woo-Min Cho	Korea Aerospace University	6053659		
c-7	Satellite Structures(2)	7/17	14:00-15:40	S1 Room	Yasutaka Sato	Japan Aerospace Exploration Agency	2025-c-7-4	Verification of 16U Two-stage Deployable Solar Panel with High Damping Characteristics Under Launch Environments	Ji-Eun Cha	Korea Aerospace University	6065521		
d-1	Attitude Control (1)	7/15	09:00-10:40	Meeting Room #2-3F	Takehiro HIGUCHI	Yokohama National University	2025-d-1-1	Development and Testing of a Vacuum Arc Thruster-Based Attitude Control System for 3U CubeSats	Jose Rodrigo Cordova-	Kyushu Institute of Technology	6065529		
d-1	Attitude Control (1)	7/15	09:00-10:40	Meeting Room #2-3F	Takehiro HIGUCHI	Yokohama National University	2025-d-1-2	Attitude Control and Vibration Suppression of Spacecraft with Flexible Structure Using Estimation Values of Higher Flexible Modes	Yuto Yamamoto	Osaka Metropolitan University Graduate School of Engineering Department of Aerospace Engineering	6051619		
d-1	Attitude Control (1)	7/15	09:00-10:40	Meeting Room #2-3F	Takehiro HIGUCHI	Yokohama National University	2025-d-1-3	Accumulated Momentum Unloading by Independent SAP Control for Interplanetary Spacecraft	Takefumi Kosaka	NEC Corporation	6065673		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
d-1	Attitude Control (1)	7/15	09:00-10:40	Meeting Room #2-3F	Takehiro HIGUCHI	Yokohama National University	2025-d-1-4	Large-angle Attitude Maneuver of Spacecraft by using Reaction Control System and Reaction Wheel	Yuichi Ikeda	Shonan Institute of Technology	6065719		
d-2	Attitude Control (2)	7/15	11:00-12:40	Meeting Room #2-3F	Seiya UENO	JAXA	2025-d-2-1	An Investigation of Applying Gain Update and Feedback Control of Variable Shape Attitude Control to Multi-point Earth Observation	Yusaku Ozeki	Institute of Science Tokyo	6051192		
d-2	Attitude Control (2)	7/15	11:00-12:40	Meeting Room #2-3F	Seiya UENO	JAXA	2025-d-2-2	Angular Momentum Management of a Satellite and its Reaction Wheels	Farid Gulmammadov	Plan-S Satellite and Space Technologies	6053225		
d-2	Attitude Control (2)	7/15	11:00-12:40	Meeting Room #2-3F	Seiya UENO	JAXA	2025-d-2-3	Attitude control by a combination of magnetic field line control using permanent magnets at low latitudes and active control near the magnetic poles	Taiki Yamaguchi	space dynamics	6053763		
d-3	Attitude Dynamics	7/15	14:00-15:40	Meeting Room #2-3F	Shota KIKUCHI	NAOJ	2025-d-3-1	Control of the Attitude Dynamics of the Spacecraft with Hybrid Control Scheme, Combining Reaction Wheels and Inertial Morphing	Pavel M. Trivailo	RMIT University	6016027		
d-3	Attitude Dynamics	7/15	14:00-15:40	Meeting Room #2-3F	Shota KIKUCHI	NAOJ	2025-d-3-2	Attitude Control Strategy for Near-Equatorial Orbit Satellites with Variable Shape Mechanisms using Atmospheric Drag Torque and Gravity Gradient Torque	Kiyona Miyamoto	Institute of Science Tokyo	6050656		
d-3	Attitude Dynamics	7/15	14:00-15:40	Meeting Room #2-3F	Shota KIKUCHI	NAOJ	2025-d-3-3	Analysis of Reaction Wheel Micro-Vibration Disturbances in Nano-Satellites	Gokhan OZDOGAN	PLAN-S Space and Satellite Technologies	6052279		
d-3	Attitude Dynamics	7/15	14:00-15:40	Meeting Room #2-3F	Shota KIKUCHI	NAOJ	2025-d-3-4	Maximizing Instances of Spacecraft Pointing towards Celestial Body: Application of the Spinning and Flipping Spacecraft in Circular and Elliptical Orbits	Aleksey P Trivailo	Marymede Catholic College	6053855		
d-4	Attitude Determination	7/18	14:00-15:40	Meeting Room #6-2F	Yasuhiro YOSHIMURA	Kyushu University	2025-d-4-1	Attitude Estimation for Resident Space Objects from Light Curves Using Blender-Based Simulations	Gulce Tuzcu	Middle East Technical University	6053490		
d-4	Attitude Determination	7/18	14:00-15:40	Meeting Room #6-2F	Yasuhiro YOSHIMURA	Kyushu University	2025-d-4-2	Mass Property Estimation by EKF and UKF for Spacecraft	Keisuke Sugawara	System Technology Unit	6053564		
d-4	Attitude Determination	7/18	14:00-15:40	Meeting Room #6-2F	Yasuhiro YOSHIMURA	Kyushu University	2025-d-4-3	Design and Validation of an Enhanced ADCS Board in CubeSat Passive Stabilization Systems	Haiy Amzhar Alias	Universiti Teknologi MARA (UiTM) Shah Alam	6065490		
d-4	Attitude Determination	7/18	14:00-15:40	Meeting Room #6-2F	Yasuhiro YOSHIMURA	Kyushu University	2025-d-4-4	Development and Operational Results of an Automated Target Attitude Generation and Validation Algorithm for the 6U CubeSat mission	Kuna Shitara	The University of Tokyo	6065680		
d-5	Navigation	7/18	16:00-17:40	Meeting Room #6-2F	Takahiro SASAKI	JAXA	2025-d-5-1	Development and Evaluation of a Comet Identification Algorithm for Long-Period Comet Exploration Mission	Daiki Tsuzuki	The University of Tokyo	6051582		
d-5	Navigation	7/18	16:00-17:40	Meeting Room #6-2F	Takahiro SASAKI	JAXA	2025-d-5-2	Enabling Robust, Real-Time Verification of Vision-Based Navigation through View Synthesis	Marius Neuhalfen	European Space Agency	6064723		
d-5	Navigation	7/18	16:00-17:40	Meeting Room #6-2F	Takahiro SASAKI	JAXA	2025-d-5-3	Vision based refueling using development testbed for spacecraft on-orbit servicing	Seonghyeon Shin	Chosun University	6065554		
d-5	Navigation	7/18	16:00-17:40	Meeting Room #6-2F	Takahiro SASAKI	JAXA	2025-d-5-4	Hayabusa2 Navigation Performance Assessment for the Fly-by of Asteroid 98943 Torifune	Hiroshi Takeuchi	JAXA	6065736		
d-5	Navigation	7/18	16:00-17:40	Meeting Room #6-2F	Takahiro SASAKI	JAXA	2025-d-5-5	Orbit Determination Methods Using Inter-Satellite Ranging and Optical Observations Considering Inter-Satellite Radio Occultation Observation	Yojiro Yamashiro	The University of Tokyo	6053571		
d-6	Formation Flying & Satellite Constellations (1)	7/15	16:00-17:40	Meeting Room #2-3F	Takeya SHIMA	Mitsubishi Electric	2025-d-6-1	Large-scale Passively Safe Satellite Swarm Clustering: A K-means-based Approach	Jihe Wang	School of Aeronautics and Astronautics, Sun Yat-sen University, Shenzhen 518107, PR China	6039736		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
d-6	Formation Flying & Satellite Constellations (1)	7/15	16:00-17:40	Meeting Room #2-3F	Takeya SHIMA	Mitsubishi Electric	2025-d-6-2	Mission Lifetime Comparison of Thruster-based Control and Aerodynamic Control in Relative Orbit Control for Distributed Space Systems with Small Satellites	Keito Otsubo	Institute of Science Tokyo	6044661		
d-6	Formation Flying & Satellite Constellations (1)	7/15	16:00-17:40	Meeting Room #2-3F	Takeya SHIMA	Mitsubishi Electric	2025-d-6-3	Nano-Satellite Swarm using Flocking Algorithm	Sohta Katoh	Kyushu University	6046908		
d-6	Formation Flying & Satellite Constellations (1)	7/15	16:00-17:40	Meeting Room #2-3F	Takeya SHIMA	Mitsubishi Electric	2025-d-6-4	Nonlinear control method for satellite constellation deployment	Yuta Imoto	Osaka University	6050739		
d-7	Formation Flying & Satellite Constellations (2)	7/16	09:00-10:40	Meeting Room #2-3F	Yuta IMOTO	Osaka University	2025-d-7-1	Long Term Stable Relative Position Control Law for Space Gravitational Wave Telescopes	Takahiro Takano	The University of Tokyo, Intelligent Space Systems Laboratory	6051643		
d-7	Formation Flying & Satellite Constellations (2)	7/16	09:00-10:40	Meeting Room #2-3F	Yuta IMOTO	Osaka University	2025-d-7-2	An Investigation into the Orbital Design of Two Small Satellites in Formation Flight	Fuma Nagata	Sojo University	6053160		
d-7	Formation Flying & Satellite Constellations (2)	7/16	09:00-10:40	Meeting Room #2-3F	Yuta IMOTO	Osaka University	2025-d-7-3	Sub-Optimal Deployment Using Low-Thrust for LEO Large Constellations	Takeya Shima	Mitsubishi Electric Corporation	6052392		
d-7	Formation Flying & Satellite Constellations (2)	7/16	09:00-10:40	Meeting Room #2-3F	Yuta IMOTO	Osaka University	2025-d-7-4	Research on Characterization of a Pupil Spectroscopy Interferometer Sensor and Optical Path Difference Control for Formation Flying Space Interferometer	Masaki Ito	The University of Tokyo	6053015		
d-8	Formation Flying & Satellite Constellations (3)	7/16	11:00-12:40	Meeting Room #2-3F	Satoshi IKARI	University of Tokyo	2025-d-8-1	Motion Planning for Optimization of Convexified Antenna Performance in Distributed Space Antennas Using Electromagnetic Formation Flight	Seang Shim	The Graduated University for Advanced Studies	6053509		
d-8	Formation Flying & Satellite Constellations (3)	7/16	11:00-12:40	Meeting Room #2-3F	Satoshi IKARI	University of Tokyo	2025-d-8-2	Coverage Control for Swarm Satellite by 3D Voronoi Diagram	Takehiro Yasuda	Kyushu University	6063230		
d-8	Formation Flying & Satellite Constellations (3)	7/16	11:00-12:40	Meeting Room #2-3F	Satoshi IKARI	University of Tokyo	2025-d-8-3	Proximity Control of Electromagnetic Formation Flying Using Simplified Magnetic Field Model	Hideki Yoshikado	University of Tokyo	6064663		
d-8	Formation Flying & Satellite Constellations (3)	7/16	11:00-12:40	Meeting Room #2-3F	Satoshi IKARI	University of Tokyo	2025-d-8-4	Cooperative control of heterogeneous two spacecraft malfunction	donghyeon nam	chosun university controla	6065402		
d-8	Formation Flying & Satellite Constellations (3)	7/16	11:00-12:40	Meeting Room #2-3F	Satoshi IKARI	University of Tokyo	2025-d-8-5	Attitude-Orbit Coupled Control of Port-Hamiltonian Systems for Spacecraft Formation Flying	Toshinori Yabe	Osaka University	6051565		
d-9	Formation Flying & Satellite Constellations (4)	7/16	14:00-15:40	Meeting Room #2-3F	Satoshi SATOH	Osaka University	2025-d-9-1	Application of the H∞-Norm-Based Control Accuracy Evaluation Method to High-Precision Formation Flying System	Shunsuke Shimomura	The University of Tokyo	6065613		
d-9	Formation Flying & Satellite Constellations (4)	7/16	14:00-15:40	Meeting Room #2-3F	Satoshi SATOH	Osaka University	2025-d-9-2	Effective Periodic Orbit Characterization in Lunar Navigation Constellation	Ryusei Komatsu	SOKENDAI	6065591		
d-9	Formation Flying & Satellite Constellations (4)	7/16	14:00-15:40	Meeting Room #2-3F	Satoshi SATOH	Osaka University	2025-d-9-3	Observer-Based Stochastic Optimal Control for Spacecraft Formation Flying with Discrete Observation and Sensor Switching	Michinari Kake	The University of Tokyo	6051719		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
d-9	Formation Flying & Satellite Constellations (4)	7/16	14:00-15:40	Meeting Room #2-3F	Satoshi SATOH	Osaka University	2025-d-9-4	Biased Proportional Navigation for Observability of Angle Only Navigation	Akihiro Kushima	Department of Aeronautics and Astronautics, The University of Tokyo, Tokyo, Japan	6052670		
d-10	Entry/Landing/Ascent Guidance (1)	7/16	16:00-17:40	Meeting Room #2-3F	Maximilien BERTHET	University of Tokyo	2025-d-10-1	Descent Guidance and Control Law of Touch-and-Go Sampling Probe using Optimization Scheme	Haruhito Ohki	The University of Tokyo	6052210		
d-10	Entry/Landing/Ascent Guidance (1)	7/16	16:00-17:40	Meeting Room #2-3F	Maximilien BERTHET	University of Tokyo	2025-d-10-2	Landing Guidance for Lunar Pit Observation Considering Multi-Point Observations	Tatsuya Narumi	University of Tokyo	6053030		
d-10	Entry/Landing/Ascent Guidance (1)	7/16	16:00-17:40	Meeting Room #2-3F	Maximilien BERTHET	University of Tokyo	2025-d-10-3	Designing Optimal Moon Landing Trajectories: A Study in Fuel Conservation and System Stability	Soat The Le	Research Center for Advanced Science and Technology (RCAST)	6053344		
d-10	Entry/Landing/Ascent Guidance (1)	7/16	16:00-17:40	Meeting Room #2-3F	Maximilien BERTHET	University of Tokyo	2025-d-10-4	Convex Optimization of Lunar Ascent Trajectory	Atakan Suslu	Middle East Technical University/Roketsan Inc	6064727		
d-10	Entry/Landing/Ascent Guidance (1)	7/16	16:00-17:40	Meeting Room #2-3F	Maximilien BERTHET	University of Tokyo	2025-d-10-5	Design and Development Status of Experimental Winged Rocket WIRES#015	Daiki Kikuchi	Tokyo University of science	6053618		
d-11	Entry/Landing/Ascent Guidance (2)	7/17	09:00-10:40	Meeting Room #2-3F	Yosuke TAKEO	JAXA	2025-d-11-1	Landing Dispersion Analysis for Spin-Stabilized Planetary Lander with Single Actuator	Kaho Nakagawa	The University of Tokyo	6051638		
d-11	Entry/Landing/Ascent Guidance (2)	7/17	09:00-10:40	Meeting Room #2-3F	Yosuke TAKEO	JAXA	2025-d-11-2	Exploration of the Horizontal Landing Range of the Sampling Probe through Thrust Direction Control of the Solid Rocket Motors	Tomohito Sekiguchi	Kyushu-University Graduate School of Engineering Department of Aerospace Engineering	6065756		
d-11	Entry/Landing/Ascent Guidance (2)	7/17	09:00-10:40	Meeting Room #2-3F	Yosuke TAKEO	JAXA	2025-d-11-3	Crater Detection and Identification for Lost in Lunar Orbit Scenario	Sena Tasgin	University of Turkish Aeronautical Association	6065801		
d-12	Orbital Rendezvous & Proximity Operations	7/17	11:00-12:40	Meeting Room #2-3F	Satoshi UEDA	JAXA	2025-d-12-1	Analytic Guidance Strategies for Safety Ellipse Reconfiguration with Passive Collision Avoidance	Chenglong Xu	School of Aeronautics and Astronautics, Sun Yat-sen University, Shenzhen 518107, PR China	6034806		
d-12	Orbital Rendezvous & Proximity Operations	7/17	11:00-12:40	Meeting Room #2-3F	Satoshi UEDA	JAXA	2025-d-12-2	Deep Space Rendezvous Docking Controller with Thrust Disturbance Observer	Daichi Ishido	The Graduate University for Advanced Studies	6053521		
d-12	Orbital Rendezvous & Proximity Operations	7/17	11:00-12:40	Meeting Room #2-3F	Satoshi UEDA	JAXA	2025-d-12-3	Sequential and Trajectory Optimization of Multiple Space Debris Removal with Orbit Criteria	Kaito Tanaka	Yokohama National University	6062462		
d-12	Orbital Rendezvous & Proximity Operations	7/17	11:00-12:40	Meeting Room #2-3F	Satoshi UEDA	JAXA	2025-d-12-4	Integrated Parameter Tuning Framework for Multi-Objective Controller Design: Application to Spacecraft Rendezvous	Takahiro Sasaki	JAXA	6063129		
d-12	Orbital Rendezvous & Proximity Operations	7/17	11:00-12:40	Meeting Room #2-3F	Satoshi UEDA	JAXA	2025-d-12-5	Optical state estimation method using multiple bright-spot markers for rendezvous in deep space	Kaine Amakawa	The University of Tokyo	6052451		
d-13	Orbit Determination	7/17	14:00-15:40	Meeting Room #2-3F	Toshihiro Chujo	Institute of Science Tokyo	2025-d-13-1	Onboard Two-Line Element Set Estimation Architecture for Small Satellites	Ozgur AKCA	Plan S Satellite and Space Technologies	6051997		
d-13	Orbit Determination	7/17	14:00-15:40	Meeting Room #2-3F	Toshihiro Chujo	Institute of Science Tokyo	2025-d-13-2	A Comparison of Real-Time Precise Onboard Orbit Determination Methods for Low Earth Orbit Satellites using QZSS Correction Signals	Kazuya Fukuda	The University of Tokyo	6052956		
d-13	Orbit Determination	7/17	14:00-15:40	Meeting Room #2-3F	Toshihiro Chujo	Institute of Science Tokyo	2025-d-13-3	Analyzing the natural increase in semi-major axis of a GTO space debris	Fabien Gachet	CNES	6053905		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
d-13	Orbit Determination	7/17	14:00-15:40	Meeting Room #2-3F	Toshihiro Chujo	Institute of Science Tokyo	2025-d-13-4	Investigation the Performance of Semi-Autonomous Orbit Determination for Lunar Transfer Trajectories: Integrating Earth GNSS Signals and One-Way Onboard Ranging	Yasin Gungor	Middle East Technical University	6053677		
d-13	Orbit Determination	7/17	14:00-15:40	Meeting Room #2-3F	Toshihiro Chujo	Institute of Science Tokyo	2025-d-13-5	Pulsar-Based Autonomous X-ray Orbit Determination for Spacecraft in Lunar Orbits	Yasin Gungor	Middle East Technical University	6053681		
d-14	Orbital Dynamics and Control (1)	7/15	16:00-17:40	S2 Room 1F	Yosuke KAWABATA	University of Tokyo	2025-d-14-1	Constraints on Spacecraft Observations of Apophis through its Earth Close Approach	Daniel J Scheeres	University of Colorado	6052285		
d-14	Orbital Dynamics and Control (1)	7/15	16:00-17:40	S2 Room 1F	Yosuke KAWABATA	University of Tokyo	2025-d-14-2	Preliminary Orbital Analysis for Comet Proximity Operations in the Next-Generation Small-Body Sample Return Mission	Shota Kikuchi	National Astronomical Observatory of Japan	6046979		
d-14	Orbital Dynamics and Control (1)	7/15	16:00-17:40	S2 Room 1F	Yosuke KAWABATA	University of Tokyo	2025-d-14-3	Fuel-optimal periodic motions under radiation pressure near small bodies	Shanshan Pan	Kyushu University	6053383		
d-14	Orbital Dynamics and Control (1)	7/15	16:00-17:40	S2 Room 1F	Yosuke KAWABATA	University of Tokyo	2025-d-14-4	Detailed Analysis on Barrier Surfaces Separating Regions of Possible and Impossible Motion	Kenta Oshima	Suwa University of Science	6064840		
d-15	Orbital Dynamics and Control (2)	7/16	16:00-17:40	S2 Room 1F	Kenta Oshima	Suwa University of Science	2025-d-15-1	An MPC approach on dealing with the challenges of LEO orbit maintenance	Chi-Hao Chan	National Yang Ming Chiao Tung University	6051305		
d-15	Orbital Dynamics and Control (2)	7/16	16:00-17:40	S2 Room 1F	Kenta Oshima	Suwa University of Science	2025-d-15-2	Discrete Locally Optimal Control with Solar Sail for Planet-Centered Orbit Raising	Yusuke Arai	Institute of Science Tokyo	6053379		
d-15	Orbital Dynamics and Control (2)	7/16	16:00-17:40	S2 Room 1F	Kenta Oshima	Suwa University of Science	2025-d-15-3	A Novel On-Orbit Inspection Algorithm for Space Robots Based on Dual Quaternion Algebra	Daiki Isowa	Department of Aeronautics and Astronautics, Tokyo Metropolitan University	6053403		
d-15	Orbital Dynamics and Control (2)	7/16	16:00-17:40	S2 Room 1F	Kenta Oshima	Suwa University of Science	2025-d-15-4	Polynomial Approximation of Non-Linear Relative Orbit Motion Applicable to Onboard Calculation for Autonomous Flyby	Shusaku Tsuruya	The University of Tokyo	6065835		
d-15	Orbital Dynamics and Control (2)	7/16	16:00-17:40	S2 Room 1F	Kenta Oshima	Suwa University of Science	2025-d-15-5	Orbit Propagation and Sun-Synchronous Orbit Observations for TSC-1 Satellite	Pakawat Nutthanithipa	Tohoku University	6065407		
d-16	Trajectory Design and Optimization (1)	7/17	16:00-17:40	Meeting Room #2-3F	Yuya MIMASU	JAXA	2025-d-16-1	Trajectory Design from Earth-Moon Lagrange Point to Near Earth Asteroid for Small Satellite Missions	Masaki Tsutsui	The University of Tokyo	6051135		
d-16	Trajectory Design and Optimization (1)	7/17	16:00-17:40	Meeting Room #2-3F	Yuya MIMASU	JAXA	2025-d-16-2	On the Global Search of Spacecraft Trajectories Using the Stability Index of a Stochastic Algorithm	Gyeongrok HA	Kyoto University	6051344		
d-16	Trajectory Design and Optimization (1)	7/17	16:00-17:40	Meeting Room #2-3F	Yuya MIMASU	JAXA	2025-d-16-3	Efficient Moon-to-Moon Transfer Optimization and Its Application to GEO-X	Hirotaka Sekine	The University of Tokyo	6051563		
d-16	Trajectory Design and Optimization (1)	7/17	16:00-17:40	Meeting Room #2-3F	Yuya MIMASU	JAXA	2025-d-16-4	Evaluation of Lunar Transfer Orbits to Re-encounter the Moon for Deep Space Missions	Yosuke Kawabata	The University of Tokyo	6052387		
d-16	Trajectory Design and Optimization (1)	7/17	16:00-17:40	Meeting Room #2-3F	Yuya MIMASU	JAXA	2025-d-16-5	Heteroclinic Connections Between Invariant Tori of Different Dimensions	Soichiro Shin	Kyushu University	6052996		
d-17	Trajectory Design and Optimization (2)	7/18	14:00-15:40	Meeting Room #2-3F	Yuki TAKAO	Yokohama National University	2025-d-17-1	Trajectory Design Software Using DDP	Shun Kodama	Research Institute of Systems Planning, Inc.	6053327		
d-17	Trajectory Design and Optimization (2)	7/18	14:00-15:40	Meeting Room #2-3F	Yuki TAKAO	Yokohama National University	2025-d-17-2	Analysis of resonant transition periodic orbits using Poincaré map	Mahiro Arimoto	Kyushu univercity	6058655		

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d-17	Trajectory Design and Optimization (2)	7/18	14:00-15:40	Meeting Room #2-3F	Yuki TAKAO	Yokohama National University	2025-d-17-3	Analysis of cislunar synodic resonant orbits in the bicircular restricted four-body problem	Shuhao Cui	Shuhao Cui	6064586		
d-17	Trajectory Design and Optimization (2)	7/18	14:00-15:40	Meeting Room #2-3F	Yuki TAKAO	Yokohama National University	2025-d-17-4	Flight sequence design of an orbital transfer vehicle from the Lunar Gateway for interplanetary exploration	Kawsihen Elankumaran	School of Engineering, The Australian National University	6065170		
d-17	Trajectory Design and Optimization (2)	7/18	14:00-15:40	Meeting Room #2-3F	Yuki TAKAO	Yokohama National University	2025-d-17-5	Soft-Prompt Prefixed PatchTST for Cislunar Trajectory Generation in Multi-Body Gravitational Environment	Akira Hatakeyama	JAXA	6053731		
d-18	Trajectory Design and Optimization (3)	7/18	16:00-17:40	Meeting Room #2-3F	Naoya OZAKI	JAXA	2025-d-18-1	DSOTV and OPENS: A Roadmap on Japan's Next-Generation Solar System Exploration	Yuki Takao	Yokohama National University	6065477		
d-18	Trajectory Design and Optimization (3)	7/18	16:00-17:40	Meeting Room #2-3F	Naoya OZAKI	JAXA	2025-d-18-2	Finite-time maneuver control laws for cislunar transfer mission using neural ODEs with reservoir computing architecture	Satoshi Ueda	Japan Aerospace Exploration Agency	6065259		
d-18	Trajectory Design and Optimization (3)	7/18	16:00-17:40	Meeting Room #2-3F	Naoya OZAKI	JAXA	2025-d-18-3	Chance-constrained Optimization for Robust Orbit-raising Strategy under Satellite Operational Uncertainty	Shunta Oi	The University of Tokyo	6052955		
d-18	Trajectory Design and Optimization (3)	7/18	16:00-17:40	Meeting Room #2-3F	Naoya OZAKI	JAXA	2025-d-18-4	Design of Transfer Trajectories Between Moons Based on Finite-Time Lyapunov Exponent	Shoma Ito	Tokyo Metropolitan University	6064715		
d-18	Trajectory Design and Optimization (3)	7/18	16:00-17:40	Meeting Room #2-3F	Naoya OZAKI	JAXA	2025-d-18-5	Mission design for multi asteroid flyby of DESTINY+	Takayuki Yamamoto	JAXA	6069342		
e-1	DBD and Space Plane	7/15	09:00-10:40	S1 Room1F	Hiroyuki NISHIDA	Tokyo University of Agriculture	2025-e-1-1	Effect of Ultraviolet Irradiation on Streamer Formation of Dielectric Barrier Discharge Plasma Actuator	Rei Maeta	Department of Aerospace Engineering, Tohoku University	6064634	Keiichi KITAMURA	Yokohama National University
e-1	DBD and Space Plane	7/15	09:00-10:40	S1 Room1F	Hiroyuki NISHIDA	Tokyo University of Agriculture	2025-e-1-2	Experimental investigation of length effects on performance parameters of dielectric barrier discharge plasma actuators	Gema Esmeralda Martin	Instituto Politecnico Nacional	6064740	Keiichi KITAMURA	Yokohama National University
e-1	DBD and Space Plane	7/15	09:00-10:40	S1 Room1F	Hiroyuki NISHIDA	Tokyo University of Agriculture	2025-e-1-3	Evaluation of Engine Integration on Aerodynamic Performance in Reusable Spaceplane	Susumu Hasegawa	JAXA	6064534	Keiichi KITAMURA	Yokohama National University
e-1	DBD and Space Plane	7/15	09:00-10:40	S1 Room1F	Hiroyuki NISHIDA	Tokyo University of Agriculture	2025-e-1-4	Aerodynamic Characteristics Study on a Waverider using Numerical Simulations and Wind Tunnel Test : Validation of Numerical Analysis	Yuta Toshima	Kyushu Institute of Technology	6065268	Keiichi KITAMURA	Yokohama National University
e-1	DBD and Space Plane	7/15	09:00-10:40	S1 Room1F	Hiroyuki NISHIDA	Tokyo University of Agriculture	2025-e-1-5	Sensitivities of Buffet Phenomenon to Airfoil Thickness and Sweptback Angle: Implications for Mars Airplane Design	Ken Fujino	The University of Tokyo	6065729	Keiichi KITAMURA	Yokohama National University
e-2	Rarefied Flow and Fluid Mechanics 1	7/15	11:00-12:40	S1 Room1F	Takashi OZAWA	Japan Aerospace Exploration Agency	2025-e-2-1	Two-way coupled CFD-DSMC simulation of a millimetric nozzle jet expanding in vacuum	Antoine Clout	DMPE/ONERA, Universite Paris Scalay, 91123 Palaiseau, France	6051644	Naofumi OHNISHI	Tohoku University
e-2	Rarefied Flow and Fluid Mechanics 1	7/15	11:00-12:40	S1 Room1F	Takashi OZAWA	Japan Aerospace Exploration Agency	2025-e-2-2	Spectral Proper Orthogonal Decomposition of Mach Waves occurred from Supersonic Jets	Sowa Moriyama	Osaka Metropolitan University	6051492	Naofumi OHNISHI	Tohoku University

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e-3	Rarefied Flow and Fluid Mechanics 2	7/15	14:00-15:40	S1 Room1F	Hirotaka OTSU	Ryukoku University	2025-e-3-1	Study for Rarefaction Level Improvement in Hypersonic Rarefied Wind Tunnel	Takashi Ozawa	Japan Aerospace Exploration Agency	6050988	Hiroshi KATSURAYAMA	Tottori University
e-3	Rarefied Flow and Fluid Mechanics 2	7/15	14:00-15:40	S1 Room1F	Hirotaka OTSU	Ryukoku University	2025-e-3-2	Surface inelastic scattering model for DSMC calculation of atmospheric drag of VLEO satellites	Akinori Endo	Kobe University	6053148	Hiroshi KATSURAYAMA	Tottori University
e-3	Rarefied Flow and Fluid Mechanics 2	7/15	14:00-15:40	S1 Room1F	Hirotaka OTSU	Ryukoku University	2025-e-3-3	Coupled DSMC drag modelling and trajectory analysis for air-breathing microsatellites in very low Earth orbit	ANASS EL KHMISI	Tohoku University	6064618	Hiroshi KATSURAYAMA	Tottori University
e-3	Rarefied Flow and Fluid Mechanics 2	7/15	14:00-15:40	S1 Room1F	Hirotaka OTSU	Ryukoku University	2025-e-3-4	Assessment of Linear Global Mode Extracted from Numerical Solution of Hypersonic Boundary Layer	Yuma Kuroda	Department of Aerospace Engineering, Tohoku University	6063539	Hiroshi KATSURAYAMA	Tottori University
e-3	Rarefied Flow and Fluid Mechanics 2	7/15	14:00-15:40	S1 Room1F	Hirotaka OTSU	Ryukoku University	2025-e-3-5	Verification of Hybrid Method for Multicomponent Supercritical and Transcritical Fluids : Comparison with Energy-based and Pressure-based Models for Two-dimensional Simulations	Yuichiro Honda	Kyusyu Institute of Technology	6064987	Hiroshi KATSURAYAMA	Tottori University
e-4	Fluid Mechanics 3	7/15	16:00-17:40	S1 Room1F	Masato TAGUCHI	National Defense Academy	2025-e-4-1	Comparison of 2D and 3D CFD simulations of liquid-gas two-phase flow in horizontal pipes	Yuquan Cao	WASEDA University	6049647	Hirotaka OTSU	Ryukoku University
e-4	Fluid Mechanics 3	7/15	16:00-17:40	S1 Room1F	Masato TAGUCHI	National Defense Academy	2025-e-4-2	Flow Regime Prediction Applying Machine Learning Model on Gas-Liquid Two-Phase Flow	Masayuki Shirai	Waseda University, Department of Applied Mechanics and Aerospace Engineering	6052886	Hirotaka OTSU	Ryukoku University
e-4	Fluid Mechanics 3	7/15	16:00-17:40	S1 Room1F	Masato TAGUCHI	National Defense Academy	2025-e-4-3	Experimental Modelling of Water Vapor Plume on Enceladus	Haruto Tanaka	Department of Aeronautics and Astronautics, The University of Tokyo	6054841	Hirotaka OTSU	Ryukoku University
e-4	Fluid Mechanics 3	7/15	16:00-17:40	S1 Room1F	Masato TAGUCHI	National Defense Academy	2025-e-4-4	Evaluation of Deforming Ballute with Fluid Structure Interaction Simulation	Hirotaka Otsu	Ryukoku University	6048413	Hirotaka OTSU	Ryukoku University
e-5	MHD Flow Control and Reentry 1	7/16	09:00-10:40	Tokiwa Hall 2F	Hiroki TAKAYANAGI	Japan Aerospace Exploration Agency	2025-e-5-1	Development of Ionization Seeding Method for MHD Aerobraking using ISAS Arc Wind Tunnel and HEK-X Expansion Tube	Hiroshi Katsurayama	Tottori University	6064852	Makoto MATSUI	Shizuoka University
e-5	MHD Flow Control and Reentry 1	7/16	09:00-10:40	Tokiwa Hall 2F	Hiroki TAKAYANAGI	Japan Aerospace Exploration Agency	2025-e-5-2	Effect of Forced Insulating Boundary by Cold Outer Layer Flow on MHD Shock Layer Enlargement in Rarefied Arc Plasma	Shunya Miyaura	Tottori University	6065543	Makoto MATSUI	Shizuoka University
e-5	MHD Flow Control and Reentry 1	7/16	09:00-10:40	Tokiwa Hall 2F	Hiroki TAKAYANAGI	Japan Aerospace Exploration Agency	2025-e-5-3	Numerical Simulation of Magnetohydrodynamic Aerobraking at High Magnetic Reynolds Number	Hiroki Sakamoto	Tottori University	6065679	Makoto MATSUI	Shizuoka University
e-5	MHD Flow Control and Reentry 1	7/16	09:00-10:40	Tokiwa Hall 2F	Hiroki TAKAYANAGI	Japan Aerospace Exploration Agency	2025-e-5-4	Demonstration of decreasing the internal temperatures of novel ablators using artificial controlled delamination	Hirokazu Adachi	Research and Development Directorate, JAXA	6216580	Makoto MATSUI	Shizuoka University
e-5	MHD Flow Control and Reentry 1	7/16	09:00-10:40	Tokiwa Hall 2F	Hiroki TAKAYANAGI	Japan Aerospace Exploration Agency	2025-e-5-5	Flow Field Simulation and Aerodynamic Analysis of a Deflectable Nose Blunt Body	Zhong-Hui Chen	Department of Aerospace and Systems Engineering Feng Chia University	6052046	Makoto MATSUI	Shizuoka University
e-6	Reentry 2	7/16	11:00-13:00	Tokiwa Hall 2F	Yasumasa WATANABE	Toyota Technological Institute	2025-e-6-1	Non-Destructive Method of Acquiring Density Gradient of Arc Heated Ablator Samples Using X-Ray CT	Yuma Yagi	Japan Aerospace eXploration Agency	6051087	Yutaka MATSUKAWA	Nagasaki Institute of Applied Science
e-6	Reentry 2	7/16	11:00-13:00	Tokiwa Hall 2F	Yasumasa WATANABE	Toyota Technological Institute	2025-e-6-2	Measurements of FLEET Fluorescence in the Microwave-Discharged Plasma Flow as Expansion-tube Test Flow	Hiroki Takayanagi	JAXA	6053216	Yutaka MATSUKAWA	Nagasaki Institute of Applied Science

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
e-6	Reentry 2	7/16	11:00-13:00	Tokiwa Hall 2F	Yasumasa WATANABE	Toyota Technological Institute	2025-e-6-3	Infrared Radiation Measurements of Resin-impregnated Porous-carbon Materials in Air Plasma Freejets	Hiroyuki Toyama	Graduate School of Science and Technology, Gunma University	6053605	Yutaka MATSUKAWA	Nagasaki Institute of Applied Science
e-6	Reentry 2	7/16	11:00-13:00	Tokiwa Hall 2F	Yasumasa WATANABE	Toyota Technological Institute	2025-e-6-4	Preliminary Test of Laser Absorption Spectroscopy Using Potassium and Barium for Expansion Tube Flow Diagnostics	Hinako Hatta	Shizuoka University	6053718	Yutaka MATSUKAWA	Nagasaki Institute of Applied Science
e-6	Reentry 2	7/16	11:00-13:00	Tokiwa Hall 2F	Yasumasa WATANABE	Toyota Technological Institute	2025-e-6-5	Blunt Model Shear Stress Measurement in an Arcjet Flow	Kenichi Sakamoto	Tottori university	6065615	Yutaka MATSUKAWA	Nagasaki Institute of Applied Science
e-6	Reentry 2	7/16	11:00-13:00	Tokiwa Hall 2F	Yasumasa WATANABE	Toyota Technological Institute	2025-e-6-6	A Study of Turbulent Transition in a Curved Pipe Flow	Naoki Saito	Chubu university	6050629	Yutaka MATSUKAWA	Nagasaki Institute of Applied Science
e-7	Reentry 3	7/16	13:40-15:40	Tokiwa Hall 2F	Atsushi MATSUDA	Meijo University	2025-e-7-1	Emission Spectroscopy of CO2-N2 Flow Using Ground Testing Facilities for Martian Atmospheric Entry	Taro Isono	Shizuoka University	6052446	Takashi OZAWA	Japan Aerospace Exploration Agency
e-7	Reentry 3	7/16	13:40-15:40	Tokiwa Hall 2F	Atsushi MATSUDA	Meijo University	2025-e-7-2	Plasma-assisted Rapid Flow Control around Backward-facing ramp in hypersonic flows	Yasumasa Watanabe	Associate Professor	6065778	Takashi OZAWA	Japan Aerospace Exploration Agency
e-7	Reentry 3	7/16	13:40-15:40	Tokiwa Hall 2F	Atsushi MATSUDA	Meijo University	2025-e-7-3	Development of a Shockward Radiation Measurement Method for a Hypersonic Shock Wave	Joseph Kimani Mwangi	Tottori University	6065815	Takashi OZAWA	Japan Aerospace Exploration Agency
e-7	Reentry 3	7/16	13:40-15:40	Tokiwa Hall 2F	Atsushi MATSUDA	Meijo University	2025-e-7-4	Improvement of Analytical Vibrational Transition Models in Nonequilibrium High-Temperature Flows	Yutaka Matsukawa	Nagasaki Institute of Applied Science	6065772	Takashi OZAWA	Japan Aerospace Exploration Agency
e-7	Reentry 3	7/16	13:40-15:40	Tokiwa Hall 2F	Atsushi MATSUDA	Meijo University	2025-e-7-5	Thermochemical species analysis around atmospheric entry body by radar remote sensing	Koki Tanaka	Department of Advanced Energy, Graduate School of Frontier Sciences, The University of Tokyo	6052578	Takashi OZAWA	Japan Aerospace Exploration Agency
e-7	Reentry 3	7/16	13:40-15:40	Tokiwa Hall 2F	Atsushi MATSUDA	Meijo University	2025-e-7-6	Study of boundary layer transition in supersonic flow	Mahiro Nishihara	Chubu university	6052848	Takashi OZAWA	Japan Aerospace Exploration Agency
f-1	Missions 1	7/15	09:00-10:40	Meeting Room #6-2F	Charles M Swenson	Utah State University	2025-f-1-1	Separation Velocity Estimation of ARTEMIS-I Rideshare CubeSats	Tatsuaki Hashimoto	ISAS/JAXA	6030806	Tatsuaki? Hashimoto	Japan Aerospace Exploration Agency
f-1	Missions 1	7/15	09:00-10:40	Meeting Room #6-2F	Charles M Swenson	Utah State University	2025-f-1-2	Lumelite-4: a satellite built with modularity and scalability concept	Abhishek Rai	National University of Singapore	6034344	Tatsuaki? Hashimoto	Japan Aerospace Exploration Agency
f-1	Missions 1	7/15	09:00-10:40	Meeting Room #6-2F	Charles M Swenson	Utah State University	2025-f-1-3	Target Attitude Planning and On-orbit Performance for the TDI Imaging Mission of the 6U CubeSat ONGLAISAT	Hirotaka Okada	The University of Tokyo	6052184	Tatsuaki? Hashimoto	Japan Aerospace Exploration Agency
f-1	Missions 1	7/15	09:00-10:40	Meeting Room #6-2F	Charles M Swenson	Utah State University	2025-f-1-4	Evaluation of In-flight Performance of Electric Power System on Kanazawa University Satellite KOYOH	Shunsuke Nakamura	Department of Electronics, Information and Communication	6064678	Tatsuaki? Hashimoto	Japan Aerospace Exploration Agency
f-1	Missions 1	7/15	09:00-10:40	Meeting Room #6-2F	Charles M Swenson	Utah State University	2025-f-1-5	Advancing Space Weather Science through CubeSats: Lessons, Results, and International Collaboration from the SPORT Mission	Charles M Swenson	Utah State University	6064999	Tatsuaki? Hashimoto	Japan Aerospace Exploration Agency
f-2	Missions 2	7/15	11:00-12:40	Meeting Room #6-2F	Fahd MOUMNI	Kyushu Institute of Technology	2025-f-2-1	InnoCube ? In-Orbit results of the wireless satellite technology demonstration	Benjamin Anddreas Grz	Technische Universitat Berlin - Chair of Space Technology	6052222	Benjamin Anddreas Grzesik	Technische Universitat Berlin - Chair of Space Technology
f-2	Missions 2	7/15	11:00-12:40	Meeting Room #6-2F	Fahd MOUMNI	Kyushu Institute of Technology	2025-f-2-2	Use of Ground Sensor Terminal for LoRa IoT 1U CubeSat: MicroOrbiter-1	Sirash Sayanju	Kyushu Institute of Technology	6064878	Benjamin Anddreas Grzesik	Technische Universitat Berlin - Chair of Space Technology

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
f-2	Missions 2	7/15	11:00-12:40	Meeting Room #6-2F	Fahd MOUMNI	Kyushu Institute of Technology	2025-f-2-3	Fostering International Collaboration through the MicroOrbiter-1 CubeSat: A Multi-Nation Study on LoRa-Based IoT Applications	Fahd MOUMNI	Kyushu Institute of Technology	6065452	Benjamin Anddreas Grzesik	Technische Universitat Berlin - Chair of Space Technology
f-2	Missions 2	7/15	11:00-12:40	Meeting Room #6-2F	Fahd MOUMNI	Kyushu Institute of Technology	2025-f-2-4	Assessment of Strain on Wooden Satellite LignoSat	Keito Asada	Kyoto University	6065472	Benjamin Anddreas Grzesik	Technische Universitat Berlin - Chair of Space Technology
f-2	Missions 2	7/15	11:00-12:40	Meeting Room #6-2F	Fahd MOUMNI	Kyushu Institute of Technology	2025-f-2-5	Rymansat 4th Cubesat RSP-03 Development result	Yoshihito Morishita	Rymansat	6065821	Benjamin Anddreas Grzesik	Technische Universitat Berlin - Chair of Space Technology
f-3	Missions 3	7/15	14:00-15:40	Meeting Room #6-2F	Toshihiro? Chujo	Institute of Science Tokyo	2025-f-3-1	The Next Generation of the Stuttgart Operated University CubeSat for Evaluation and Education with the Electric Propulsion PETRUS	Kaja Gebhard	Kaja Gebhard	6052183	Jose Rodrigo? Cordova-Alarcon	Kyushu Institute of Technology
f-3	Missions 3	7/15	14:00-15:40	Meeting Room #6-2F	Toshihiro? Chujo	Institute of Science Tokyo	2025-f-3-2	Attitude Determination and Control System for the astronomical 6U CubeSat VERTECS	Jose Rodrigo Cordova-	Kyushu Institute of Technology	6062124	Jose Rodrigo? Cordova-Alarcon	Kyushu Institute of Technology
f-3	Missions 3	7/15	14:00-15:40	Meeting Room #6-2F	Toshihiro? Chujo	Institute of Science Tokyo	2025-f-3-3	Feasibility Study of Solar Sail PIERIS ¬ Microsatellite for Technology Demonstration Mission on Low-Earth Orbit	Toshihiro Chujo	Institute of Science Tokyo	6063308	Jose Rodrigo? Cordova-Alarcon	Kyushu Institute of Technology
f-3	Missions 3	7/15	14:00-15:40	Meeting Room #6-2F	Toshihiro? Chujo	Institute of Science Tokyo	2025-f-3-4	Design of Movement Scheme for Large Space Structure Servicing CubeSat	Senwei Lv	School of Aerospace Engineering, Beijing Institute of Technology	6064132	Jose Rodrigo? Cordova-Alarcon	Kyushu Institute of Technology
f-3	Missions 3	7/15	14:00-15:40	Meeting Room #6-2F	Toshihiro? Chujo	Institute of Science Tokyo	2025-f-3-5	Development of Osaka Sangyo University 1U Cubesat OSU-1 with 1J/1W Pulsed Plasma Thruster Systems for Powered Flight, and R&D Project of Nano-Satellite & Probe OSU-2, 3 and 4	Ren-ichiro Oka	Osaka Sangyo University	6045834	Jose Rodrigo? Cordova-Alarcon	Kyushu Institute of Technology
f-4	Missions 4	7/15	16:00-17:40	Meeting Room #6-2F	Joseph? Casas	NASA Marshall Space Flight Center	2025-f-4-1	Development of a Smart Remote Sensing Payload for the Lilium-2 CubeSat	Jyh-Ching Juang	National Cheng Kung University	6062270	Jyh-Ching Juang	National Cheng Kung University
f-4	Missions 4	7/15	16:00-17:40	Meeting Room #6-2F	Joseph? Casas	NASA Marshall Space Flight Center	2025-f-4-2	Production of Weather Sensing Payloads Using an Outsourced Model	Kyle Emmi	Busek Co. Inc.	6043254	Jyh-Ching Juang	National Cheng Kung University
f-4	Missions 4	7/15	16:00-17:40	Meeting Room #6-2F	Joseph? Casas	NASA Marshall Space Flight Center	2025-f-4-3	Design and Development Updates on the Maya-7 CubeSat Communications Subsystem, Mission Payloads, and Ground Terminals	Joannarose Congzon	University of the Philippines - Diliman	6065749	Jyh-Ching Juang	National Cheng Kung University
f-4	Missions 4	7/15	16:00-17:40	Meeting Room #6-2F	Joseph? Casas	NASA Marshall Space Flight Center	2025-f-4-4	Development of Unit for Observation of Seismic-Preceding Ionospheric Phenomena for CubeSat	Ryoma Miura	Nihon University	6065786	Jyh-Ching Juang	National Cheng Kung University
f-4	Missions 4	7/15	16:00-17:40	Meeting Room #6-2F	Joseph? Casas	NASA Marshall Space Flight Center	2025-f-4-5	Innovating a Sustainable Future: The Role of Small Satellites in Space Exploration and Societal Benefits	Joseph Casas	NASA Marshall Space Flight Center	6063686	Jyh-Ching Juang	National Cheng Kung University
f-5	Formation Flying	7/16	09:00-10:40	Meeting Room #6-2F	Norihide Miyamura	Meisei University	2025-f-5-1	Robust Topology Optimization of Intersatellite Links against Link Disconnections using an epsilon DE Algorithm	Takumi Noro	Advanced Technology R&D Center, Mitsubishi Electric Corporation	6047658	Satoshi Ikari	The University of Tokyo

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
f-5	Formation Flying	7/16	09:00-10:40	Meeting Room #6-2F	Norihide Miyamura	Meisei University	2025-f-5-2	Development of the Demonstration Module for Precise Formation Flying Navigation Technology with Two CubeSats	Tomoki Mochizuki	The University of Tokyo	6051273	Satoshi Ikari	The University of Tokyo
f-5	Formation Flying	7/16	09:00-10:40	Meeting Room #6-2F	Norihide Miyamura	Meisei University	2025-f-5-3	Mission Analysis and On-Ground Experiment Plan of SEIRIOS: Micro-Satellite Formation Flying Infrared Interferometer Demonstration	Satoshi Ikari	The University of Tokyo	6051355	Satoshi Ikari	The University of Tokyo
f-5	Formation Flying	7/16	09:00-10:40	Meeting Room #6-2F	Norihide Miyamura	Meisei University	2025-f-5-4	Phasing a Sparse Synthetic Aperture Telescope with Image-Based Active Optics	Norihide Miyamura	Meisei University	6055301	Satoshi Ikari	The University of Tokyo
f-5	Formation Flying	7/16	09:00-10:40	Meeting Room #6-2F	Norihide Miyamura	Meisei University	2025-f-5-5	Relative Orbit Determination of Satellites by Radio Waves considering Steady Antenna Deflection	Sho Watanabe	Graduate Department of Aerospace Engineering Nagoya University, Japan	6053372	Satoshi Ikari	The University of Tokyo
f-6	Attitude and Propulsion Hardware 1	7/16	11:00-12:40	Meeting Room #6-2F	Kikuko Miyata	Meijo University	2025-f-6-1	Separation of Stray Magnetic Fields in 3U CubeSats Using Multiple Magnetometers and Blind Source Seperation method	Enkhmend Ochirsukh	Student	6053193	Yuji Sakamoto	Tohoku University
f-6	Attitude and Propulsion Hardware 1	7/16	11:00-12:40	Meeting Room #6-2F	Kikuko Miyata	Meijo University	2025-f-6-2	Evaluation of Illumination Effects and Error Mitigation for Target-Tracking and Imaging Systems for Vision-Based Proximity Flyby	Shohei Kamano	Nagoya University	6053012	Yuji Sakamoto	Tohoku University
f-6	Attitude and Propulsion Hardware 1	7/16	11:00-12:40	Meeting Room #6-2F	Kikuko Miyata	Meijo University	2025-f-6-3	Design and Development of Earth Sensor for Nanosatellite by using Thermopile Detectors	Ratatamanun Subsinc	Space System Engineering	6053034	Yuji Sakamoto	Tohoku University
f-6	Attitude and Propulsion Hardware 1	7/16	11:00-12:40	Meeting Room #6-2F	Kikuko Miyata	Meijo University	2025-f-6-4	Discussions on Fault-tolerant Attitude Determination System for CubeSat	Kikuko Miyata	Meijo University	6064722	Yuji Sakamoto	Tohoku University
f-6	Attitude and Propulsion Hardware 1	7/16	11:00-12:40	Meeting Room #6-2F	Kikuko Miyata	Meijo University	2025-f-6-5	Construction of a Mathematical Model for the Magnetic Moment Generated by a Magnetic Torquer and its Application	Yuta Seta	Teikyo University	6065705	Yuji Sakamoto	Tohoku University
f-7	Attitude and Propulsion Hardware 2	7/16	14:00-15:40	Meeting Room #6-2F	Yuji Sakamoto	Tohoku University	2025-f-7-1	Study to Extend Catalyst Life on Microsatellite-Friendly Multi-Purpose Propulsion System	Ken Otsuka	Tokyo Metropolitan University	6051545		
f-7	Attitude and Propulsion Hardware 2	7/16	14:00-15:40	Meeting Room #6-2F	Yuji Sakamoto	Tohoku University	2025-f-7-2	Low Pressure Vessel of Xenon for Small Satellite using Metal Organic Frameworks	Ryudo Tsukizaki	Japan Aerospace Exploration Agency	6065279		
f-7	Attitude and Propulsion Hardware 2	7/16	14:00-15:40	Meeting Room #6-2F	Yuji Sakamoto	Tohoku University	2025-f-7-3	VEKTOR-FDA: Progress in Developing a Multi Degree of Freedom Fluid Dynamic Attitude Control Actuator Using Liquid Metal for Small Satellites	Huu Quan Vu	Technical University of Berlin - Chair of Space Technology	6033597		
f-7	Attitude and Propulsion Hardware 2	7/16	14:00-15:40	Meeting Room #6-2F	Yuji Sakamoto	Tohoku University	2025-f-7-4	Charging in Low-Earth Orbit for Orbit Control of Nanosatellites Using Electrodes with Potential Difference	Yu Seike	Nagoya University	6053611		
f-8	Simulators	7/16	16:00-17:40	Meeting Room #6-2F	Masahiko Yamazaki	Nihon University	2025-f-8-1	Demonstration of a six-degree-of-freedom hardware simulator for micropropulsion using a miniaturized water ion thrsuter	Isamu Moriai	The University of Tokyo	6065588	Yuji Sakamoto	Tohoku University
f-8	Simulators	7/16	16:00-17:40	Meeting Room #6-2F	Masahiko Yamazaki	Nihon University	2025-f-8-2	Development of a Fully Functional 360 degrees Self Balancing Attitude Control Test Bench for 1U CubeSats	Wenceslao Bejarano T	Kyushu Institute of Technology	6065581	Yuji Sakamoto	Tohoku University
f-8	Simulators	7/16	16:00-17:40	Meeting Room #6-2F	Masahiko Yamazaki	Nihon University	2025-f-8-3	Image Reconstruction Method for Formation Flying Infrared Space Interferometer Using Inverse Radon Transform	Takumi Ogawa	The University of Tokyo	6052241	Yuji Sakamoto	Tohoku University

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f-9	Structure and Thermal Design 1	7/17	09:00-10:40	Meeting Room #6-2F	Hirokazu? Masui	Kyushu Institute of Technology	2025-f-9-1	Development of thermal design and analysis of 2U satellite "BIRDS-X Dragon Fly" and its on-orbit Temperature data	Hirokazu Masui	Kyushu Institute of Technology	6053038	Yuji Sakamoto	Tohoku University
f-9	Structure and Thermal Design 1	7/17	09:00-10:40	Meeting Room #6-2F	Hirokazu? Masui	Kyushu Institute of Technology	2025-f-9-2	Development of a portable thermal vacuum chamber system using Peltier devices	Sota Miyajima	Kyushu institute of tecnology	6053660	Yuji Sakamoto	Tohoku University
f-9	Structure and Thermal Design 1	7/17	09:00-10:40	Meeting Room #6-2F	Hirokazu? Masui	Kyushu Institute of Technology	2025-f-9-3	Thermal Design of PRELUDE, A Nano-Satellite for Observing Earthquake-Preceding Ionospheric Fluctuation Phenomena	Masahiko Yamazaki	Nihon University	6053900	Yuji Sakamoto	Tohoku University
f-9	Structure and Thermal Design 1	7/17	09:00-10:40	Meeting Room #6-2F	Hirokazu? Masui	Kyushu Institute of Technology	2025-f-9-4	Thermal analysis of the wooden CubeSat	Sakutaro Nogi	Kyoto University	6064437	Yuji Sakamoto	Tohoku University
f-10	Structure and Thermal Design 2	7/17	11:00-12:40	Meeting Room #6-2F	Naoto? Usami	Japan Aerospace Exploration Agency	2025-f-10-1	Radiation Interference Analysis of Deployable Structures in CubeSats	Dukmin Jang	Dukmin Jang	6053020	Yuji Sakamoto	Tohoku University
f-10	Structure and Thermal Design 2	7/17	11:00-12:40	Meeting Room #6-2F	Naoto? Usami	Japan Aerospace Exploration Agency	2025-f-10-2	Next generation CubeSat structure design for fragments self-capture after collisions	Hamed Akhavan	INEGI - Institute of Science and Innovation in Mechanical and Industrial Engineering	6065635	Yuji Sakamoto	Tohoku University
f-10	Structure and Thermal Design 2	7/17	11:00-12:40	Meeting Room #6-2F	Naoto? Usami	Japan Aerospace Exploration Agency	2025-f-10-3	Optimized of a Deployment Mechanism for Thin-Film Solar Cells on 3U CubeSat: Design, Analysis, and Testing	Hery Steven Mindarno	Kyushu Institute of Technology	6053031	Yuji Sakamoto	Tohoku University
f-10	Structure and Thermal Design 2	7/17	11:00-12:40	Meeting Room #6-2F	Naoto? Usami	Japan Aerospace Exploration Agency	2025-f-10-4	Proposal of wireless sensor node with vertically-pop-up antenna for health monitoring of in-plane membrane structure	Naoto Usami	Japan Aerospace Exploration Agency	6059776	Yuji Sakamoto	Tohoku University
f-10	Structure and Thermal Design 2	7/17	11:00-12:40	Meeting Room #6-2F	Naoto? Usami	Japan Aerospace Exploration Agency	2025-f-10-5	Structure Development of Earthquake Precursor Ionosphere Fluctuation Observing W6U CubeSat PRELUDE	Shunsaku Nakamura	Nihon University	6065752	Yuji Sakamoto	Tohoku University
f-11	Operations	7/17	16:00-17:40	S1 Room 1F	Yuji Sakamoto	Tohoku University	2025-f-11-1	Development and Practical Application of a Numerical Simulator for Operation Plan Validation of ONGLAISAT	Riki Nakamura	The University of Tokyo	6053382		
f-11	Operations	7/17	16:00-17:40	S1 Room 1F	Yuji Sakamoto	Tohoku University	2025-f-11-2	Report on Earth Observation Missions and Ground Station Management using On-Demand Satellite Operation System	Yuji Sakamoto	Tohoku University	6065518		
f-11	Operations	7/17	16:00-17:40	S1 Room 1F	Yuji Sakamoto	Tohoku University	2025-f-11-3	AI based satellite system architecture to detect and classify ship activities	Renan G. Soares Menez	Aeronautics Technological Institute	6052635		
f-11	Operations	7/17	16:00-17:40	S1 Room 1F	Yuji Sakamoto	Tohoku University	2025-f-11-4	Improvement of Autonomous Mission Scheduling Planner for Actual Micro/Nano Satellite Implementation	Yuma Sato	Meijo University	6053923		
f-11	Operations	7/17	16:00-17:40	S1 Room 1F	Yuji Sakamoto	Tohoku University	2025-f-11-5	The Influence of Engaging Documentation on CubeSat Software Reuse and User Collaboration	Husseinat Etti-Balogun	Kyushu Institute of Technology	6064535		
g-1	Space Transportation systems	7/15	11:00-12:40	S2 Room1F	Kazuhide Mizobata	Muroran Institute of Technology	2025-g-1-1	Overview of R&D activities on launcher's first stage reusability lead by CNES Space Transportation Directorate	Elisa Cliquet Moreno	CNES	6064672		
g-1	Space Transportation systems	7/15	11:00-12:40	S2 Room1F	Kazuhide Mizobata	Muroran Institute of Technology	2025-g-1-2	CALLISTO Approach and Landing System: Lessons Learned from the Deployment Control Unit Development	Janis S. Haeseker	German Aerospace Center (DLR)	6053734		
g-1	Space Transportation systems	7/15	11:00-12:40	S2 Room1F	Kazuhide Mizobata	Muroran Institute of Technology	2025-g-1-3	Design Strategy for Fast-Access Revisit Orbits of Reusable Unmanned Space Vehicle	Jinah Lee	Yonsei University	6048018		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
g-1	Space Transportation systems	7/15	11:00-12:40	S2 Room1F	Kazuhide Mizobata	Muroran Institute of Technology	2025-g-1-4	Economic Evaluation of Mission Architectures for Cislunar Space and Beyond Using Orbital Transfer Vehicles	Yusuke Oki	JAXA	6064832		
g-2	Propulsion systems	7/15	14:00-15:40	S2 Room1F	Elisa CLIQUET MORENO	Centre national d'etudes spatiales	2025-g-2-1	From 1000 to 3000 kN liquid rocket engine, development logic and main issues	Pierre BELLEOUD	CNES	6032422		
g-2	Propulsion systems	7/15	14:00-15:40	S2 Room1F	Elisa CLIQUET MORENO	Centre national d'etudes spatiales	2025-g-2-2	Transient Simulation of Cavitation in a Turbopump Inducer	Christopher Groll	German Aerospace Center (DLR)	6052045		
g-2	Propulsion systems	7/15	14:00-15:40	S2 Room1F	Elisa CLIQUET MORENO	Centre national d'etudes spatiales	2025-g-2-3	1D-3D Coupled Analysis for LOX Regenerative-Cooling Type SOFT Hybrid Rocket Engine	Mikiro Motoe	Cybernet Systems Co., Ltd.	6052562		
g-2	Propulsion systems	7/15	14:00-15:40	S2 Room1F	Elisa CLIQUET MORENO	Centre national d'etudes spatiales	2025-g-2-4	Experimental Launch of 500g-10N-Class Microwave Rocket at Various Repetitive Pulse Frequencies	Kosuke irie	The University of Tokyo	6065369		
g-3	Aerodynaics	7/16	16:00-17:40	S3 Room1F	Wataru Sarae	Japan Aerospace Exploration Agency	2025-g-3-1	Flowfield Visualization and Mechanism Estimation on Aerodynamics Generated by Attitude Rates of a Small-scale Supersonic Flight Experiment Vehicle Being Developed at Muroran Institute of Technology	Yuuki Yokota	Muroran Institute of Technology	6065739	Yusuke Maru	Japan Aerospace Exploration Agency
g-3	Aerodynaics	7/16	16:00-17:40	S3 Room1F	Wataru Sarae	Japan Aerospace Exploration Agency	2025-g-3-2	Prediction of Propulsion-Aerodynamics Interference of a Rocked-Based Combined Cycle Spaceplane	Ryunosuke Kumada	Muroran Institute of Technology	6065794	Yusuke Maru	Japan Aerospace Exploration Agency
g-3	Aerodynaics	7/16	16:00-17:40	S3 Room1F	Wataru Sarae	Japan Aerospace Exploration Agency	2025-g-3-3	Evaluation of changes in aerodynamic characteristics due to engine intake and exhaust flows of the Small-scale Supersonic Flight Experiment Vehicle Being Developed at Muroran Institute of Technology	Masafumi Yasuda	Muroran Institute of Technology	6065355	Yusuke Maru	Japan Aerospace Exploration Agency
g-3	Aerodynaics	7/16	16:00-17:40	S3 Room1F	Wataru Sarae	Japan Aerospace Exploration Agency	2025-g-3-4	Numerical Analysis of 1-DOF Free Oscillation Behaviour of Thin-Aeroshell in a Wind Tunnel in Subsonic Region	Sota Takano	Division of Mechanical and Space Engineering, Graduate School of Engineering, Hokkaido University	6064826	Yusuke Maru	Japan Aerospace Exploration Agency
h-1	Material and Combustion Sciences	7/15	09:00-10:40	S3 Room 1F			2025-h-1-1	Interfacial Phenomena of Compound Drop by Liquid Iron and Molten Oxide Using Electrostatic Levitation Furnace under Microgravity Conditions	Masahito Watanabe	Gakushuin University	6052957		
h-1	Material and Combustion Sciences	7/15	09:00-10:40	S3 Room 1F			2025-h-1-2	Cool Flame Diameter of Single n-Decane Droplet Spontaneous Ignition Experiment under Microgravity using a TEXUS Rocket	Kazuki Iemura	Nihon University, College of Science and Technology	6053786		
h-1	Material and Combustion Sciences	7/15	09:00-10:40	S3 Room 1F			2025-h-1-3	One-dimensional Calculation of Single Oxygen Droplet Evaporation in a Hydrogen Atmosphere over a Wide Range of Pressures	Shion Ando	Faculty of Engineering, Kyushu University	6053896		
h-1	Material and Combustion Sciences	7/15	09:00-10:40	S3 Room 1F			2025-h-1-4	Analysis of extinction limits of spreading flames over PMMA Rods in concurrent flows under various gravity conditions	Ryudai Hasegawa	Department of Aeronautics and Astronautics, The University of Tokyo	6058661		
h-2	Gravity-related Technology	7/15	11:00-12:40	S3 Room 1F			2025-h-2-1	Numerical and experimental study on regolith dispersal phenomena during probe landing	Tomohiro Ishikawa	Graduate School of Frontier Sciences, Advanced Energy Department	6052967		
h-2	Gravity-related Technology	7/15	11:00-12:40	S3 Room 1F			2025-h-2-2	Design of Horn Shape for Free Space Capture Using Spacecraft Relative Acceleration	Yuto Nakagawa	The University of Tokyo	6064566		

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h-2	Gravity-related Technology	7/15	11:00-12:40	S3 Room 1F			2025-h-2-3	Fundamental Study on Pneumatic Cylinder for Gravity Compensation System	Tomohisa Nakamachi	Tokyo City University	6051910		
h-2	Gravity-related Technology	7/15	11:00-12:40	S3 Room 1F			2025-h-2-4	Development of a Variable Gravity Generator with a Capsule Stabilizer for Reproducing Sustainable Mars Gravity	Takehito Nagaike	Tokushima Prefectural Tomioka-nishi Senior High School	6065307		
i-1	Spacecraft Thermal Control I	7/15	14:00-15:40	S3 Room 1F	Tsuyoshi Totani	Hokkaido University	2025-i-1-1	Preliminary test of cryogenic microjet cooling for heat shields	Stefan Oshima	Nagoya University	6063303	Kimihide Odagiri	Japan Aerospace Exploration Agency
i-1	Spacecraft Thermal Control I	7/15	14:00-15:40	S3 Room 1F	Tsuyoshi Totani	Hokkaido University	2025-i-1-2	Thermal Conductivity Measurement Test of Metal Mesh for Spaceborne Antenna	Hyunmo Sung	Korea Aerospace University	6053860	Kimihide Odagiri	Japan Aerospace Exploration Agency
i-1	Spacecraft Thermal Control I	7/15	14:00-15:40	S3 Room 1F	Tsuyoshi Totani	Hokkaido University	2025-i-1-3	Development and Performance Verification for a Fuel Heating Test Facility	Tatsushi Isono	Japan Aerospace Exploration Agency	6057215	Kimihide Odagiri	Japan Aerospace Exploration Agency
i-1	Spacecraft Thermal Control I	7/15	14:00-15:40	S3 Room 1F	Tsuyoshi Totani	Hokkaido University	2025-i-1-4	Investigation of temperature control on detectors of astronomical satellite	Kazuki Yugi	Tokyo City University	6051876	Kimihide Odagiri	Japan Aerospace Exploration Agency
i-2	Spacecraft Thermal Control II	7/15	16:00-17:40	S3 Room 1F	Tsuyoshi Totani	Hokkaido University	2025-i-2-1	Efficient and Detailed Thermal Analysis with Multimodal Simulation Integrating Orbit, Attitude, and Power States	Kai Nakamura	The University of Tokyo	6052028	Kimihide Odagiri	Japan Aerospace Exploration Agency
i-2	Spacecraft Thermal Control II	7/15	16:00-17:40	S3 Room 1F	Tsuyoshi Totani	Hokkaido University	2025-i-2-2	Technology demonstration of power dissipation strategies using high thermal conductivity materials in 3U CubeSat	Reynel Josue Galindo F	Kyushu Institute of Technology	6053573	Kimihide Odagiri	Japan Aerospace Exploration Agency
i-2	Spacecraft Thermal Control II	7/15	16:00-17:40	S3 Room 1F	Tsuyoshi Totani	Hokkaido University	2025-i-2-3	CURTIS: Thermal analysis comparison between pre-flight simulation data and on-orbit results of 3U CubeSat	Reynel Josue Galindo F	Kyushu Institute of Technology	6053582	Kimihide Odagiri	Japan Aerospace Exploration Agency
i-2	Spacecraft Thermal Control II	7/15	16:00-17:40	S3 Room 1F	Tsuyoshi Totani	Hokkaido University	2025-i-2-4	Development of a Small-Scale Rhombic Drive Mechanism Stirling Cooler Applied in Active Thermal Control System	Jhen-Syuan Huang	Feng Chia University	6053899	Kimihide Odagiri	Japan Aerospace Exploration Agency
j-1	Optical communications	7/15	09:00-10:40	S4 Room 1F			2025-j-1-1	Analysis of uncertainty in confirmation of laser beam propagation direction	Zhuoran Du	Tokai University	6051161		
j-1	Optical communications	7/15	09:00-10:40	S4 Room 1F			2025-j-1-2	Backup Routing Method for Optical Satellite Networks: Addressing Orbital-Motion-Induced Link Switches and Sudden Link Failures	Kazuki Takashima	The University of Tokyo	6051589		
j-1	Optical communications	7/15	09:00-10:40	S4 Room 1F			2025-j-1-3	A Distributed Time Synchronization Strategy for LEO PNT Constellations Supported by Optical Links	Vinicius Ferreira Nery	The University of Tokyo	6052162		
j-1	Optical communications	7/15	09:00-10:40	S4 Room 1F			2025-j-1-4	Design of the Demonstrational Laser Communication Terminal and Experimental Results of its Optical Bench Model	Yuki Kusano	The University of Tokyo	6053028		
j-1	Optical communications	7/15	09:00-10:40	S4 Room 1F			2025-j-1-5	Study on Infrared Camera Based Integrated Acquisition and Tracking System for Deep-Space Optical Communication in Micro Satellite	Hideki Takamoto	The University of Tokyo	6053059		
j-2	Propagation	7/15	11:00-12:40	S4 Room 1F			2025-j-2-1	Comparison of measurement results for the effect of aircraft fuselage on the antenna radiation pattern and PFD Limits for Resolution 169 (WRC19)	Takuya Okura	National Institute of Information and Communications Technology	6048535		
j-2	Propagation	7/15	11:00-12:40	S4 Room 1F			2025-j-2-2	Structured Radio Waves for Multiplex Communications and Radar Imaging	Yosuke Tanabe	Hitachi, Ltd. Research & Development Group	6045915		
j-2	Propagation	7/15	11:00-12:40	S4 Room 1F			2025-j-2-3	Study on partial detection of orbital angular momentum in radio wave	Hisatoshi Kimura	Hitachi, Ltd. Research & Development Group	6050389		

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j-2	Propagation	7/15	11:00-12:40	S4 Room 1F			2025-j-2-4	A Study on RF Antennas for Various Inter-Satellite Network Topologies in Dense Formation Flying of Multiple PicoSats	Genma Hattori	Microwave Factory Co.,Ltd.	6050631		
j-2	Propagation	7/15	11:00-12:40	S4 Room 1F			2025-j-2-5	On-board Array-fed Reflector Antenna for Dual Circular Polarization with low cross-polarization in 21-GHz-band Satellite Broadcasting	MASASHI KAMEI Kam	Science & Technology Research Laboratories, Japan Broadcasting Corporation	6053450		
j-3	Componets and Systems	7/15	14:00-15:40	S4 Room 1F			2025-j-3-1	Next-Generation Relay Radios for the Moon and Mars	M. Michael Kobayashi	Jet Propulsion Laboratory	6032561		
j-3	Componets and Systems	7/15	14:00-15:40	S4 Room 1F			2025-j-3-2	Enhancing RF System Performance in Low Earth Orbit with ONYX Series Oscillators and Subsequent Developments	Mike Sawicki	Quantic Wenzel	6053946		
j-3	Componets and Systems	7/15	14:00-15:40	S4 Room 1F			2025-j-3-3	Assessment of Doppler effect on LoRa communication in 1U CubeSat: insights from MicroOrbiter-1 satellite	Nova Maras Nurul Kha	Kyushu Institute of Technology	6065160		
j-3	Componets and Systems	7/15	14:00-15:40	S4 Room 1F			2025-j-3-4	A Feedback Control Approach for Signal Quality Improvement in Phase Array Antenna System	Wei-Jau Siao	Department of Electrical Engineering, National Cheng Kung University	6064374		
j-4	Air and ground systems	7/15	16:00-17:40	S4 Room 1F			2025-j-4-1	Study on sophisticating weather prediction for high-frequency wireless communication in Non-Terrestrial Network	Takahiro Ohno	NTT Corporation	6052657		
j-4	Air and ground systems	7/15	16:00-17:40	S4 Room 1F			2025-j-4-2	Impact of Measurement Conditions on the Refractive Index Structure Constant in Horizontal Optical Propagation	Hideki Takenaka	Faculty of Systems Design, Tokyo Metropolitan University	6053318		
j-4	Air and ground systems	7/15	16:00-17:40	S4 Room 1F			2025-j-4-3	Analysis of Ground Network Layout Corresponding to Inclined Orbital Constellation	Masaya Kameyama	Infostellar Inc.	6053650		
k-1	Lunar Exploration and Utilization (1)	7/16	09:00-10:40	S4 Room 1F	John C Mankins	Kepler Space University	2025-k-1-1	The Potential of Lunar Development in the Future of Cis-Lunar Space	John Carlton Mankins	International Academy of Astronautics	6253352	Lucas-Brian Christen	The University of Tokyo
k-1	Lunar Exploration and Utilization (1)	7/16	09:00-10:40	S4 Room 1F	John C Mankins	Kepler Space University	2025-k-1-2	The Behavior of Water Molecules Inside Lunar Underground Caves	Nao Shinohara	The Graduate University of Advanced Studies, SOKENDAI	6051885	Lucas-Brian Christen	The University of Tokyo
k-1	Lunar Exploration and Utilization (1)	7/16	09:00-10:40	S4 Room 1F	John C Mankins	Kepler Space University	2025-k-1-3	Study on Measuring Method of Water Content in Lunar Regolith Using TDLAS and Its Performance Test	Naoki Tanigawa	Chiyoda Corporation	6027844	Lucas-Brian Christen	The University of Tokyo
k-1	Lunar Exploration and Utilization (1)	7/16	09:00-10:40	S4 Room 1F	John C Mankins	Kepler Space University	2025-k-1-4	Changes in Evaporated Species with Surface Temperature on Lunar Regolith Simulants	Lucas-Brian Christen	The University of Tokyo	6052797	Lucas-Brian Christen	The University of Tokyo
k-1	Lunar Exploration and Utilization (1)	7/16	09:00-10:40	S4 Room 1F	John C Mankins	Kepler Space University	2025-k-1-5	Electrochemical Oxygen Evolution from Lunar Regolith Simulants Dissolved in Molten Salt for ISRU	Seiya Tanaka	Doshisha University	6065198	Lucas-Brian Christen	The University of Tokyo
k-2	Lunar Exploration and Utilization (2), Lunar and Planetary Rover (1)	7/16	11:00-12:40	S4 Room 1F	Tetsuo Yoshimitsu	Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency	2025-k-2-1	A Conceptual Design of the Lunar Meter-Wave Radio Interferometer: TSUKUYOMI	Takahiro Iwata	Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency	6064497		
k-2	Lunar Exploration and Utilization (2), Lunar and Planetary Rover (1)	7/16	11:00-12:40	S4 Room 1F	Tetsuo Yoshimitsu	Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency	2025-k-2-2	Tiny lunar rover for lowering the hurdle of space exploration	Tetsuo YOSHIMITSU	Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency	6064754		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
k-2	Lunar Exploration and Utilization (2), Lunar and Planetary Rover (1)	7/16	11:00-12:40	S4 Room 1F	Tetsuo Yoshimitsu	Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency	2025-k-2-3	Development Status of the Lunar Polar Exploration (LUPEX) Rover	Lisa Katoh	Japan Aerospace Exploration Agency	6064370		
k-2	Lunar Exploration and Utilization (2), Lunar and Planetary Rover (1)	7/16	11:00-12:40	S4 Room 1F	Tetsuo Yoshimitsu	Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency	2025-k-2-4	Science-Aware Path Planning for Lunar Exploration Based on Mobility and Energy Risks	Risa Ito	Keio University	6052500		
k-2	Lunar Exploration and Utilization (2), Lunar and Planetary Rover (1)	7/16	11:00-12:40	S4 Room 1F	Tetsuo Yoshimitsu	Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency	2025-k-2-5	Accuracy Analysis of Lunar Position Estimation Using Star Occlusion by DEM-Based Skyline	Kento Mizunuma	The University of Tokyo	6053512		
k-3	Lunar and Planetary Rover (2), Space Robotics (1)	7/16	14:00-15:40	S4 Room 1F	Masato Adachi	Kyoto University	2025-k-3-1	VR-Based Sonification for Rover Operation on the Moon	Takehiro Tsunoda	The University of Aizu	6064569		
k-3	Lunar and Planetary Rover (2), Space Robotics (1)	7/16	14:00-15:40	S4 Room 1F	Masato Adachi	Kyoto University	2025-k-3-2	Towards Explainable Anomaly Detection in Space Operations: Applications to Satellite and Lunar Rover Monitoring	Shota Iino	Japan Manned Space Systems Corporation (JAMSS)	6053420		
k-3	Lunar and Planetary Rover (2), Space Robotics (1)	7/16	14:00-15:40	S4 Room 1F	Masato Adachi	Kyoto University	2025-k-3-3	Development of Stiffness Adaptive Wheel for Planetary Rovers Using Jamming Mechanism	Benoit Chi Khiem Lam C	Keio University, Ishigami Laboratory	6047403		
k-3	Lunar and Planetary Rover (2), Space Robotics (1)	7/16	14:00-15:40	S4 Room 1F	Masato Adachi	Kyoto University	2025-k-3-4	Discussion on Planetary Rover Localization utilizing Data Fusion of Switch-SLAM and Ranging	Serika Yokoyama	Meijo University	6065662		
k-3	Lunar and Planetary Rover (2), Space Robotics (1)	7/16	14:00-15:40	S4 Room 1F	Masato Adachi	Kyoto University	2025-k-3-5	Self-Healing Wire System Using Conductive Particles with Low-Volatile Dispersion	Masato Adachi	Kyoto University	6067701		
k-4	Space Robotics (2)	7/16	16:00-17:40	S4 Room 1F	Sajjad Keshtkar	Tokyo Metropolitan University	2025-k-4-1	Optimal Control of Deep Space Manipulators for Capturing Free-Flying Objects	Fumiya Aono	Tokyo University	6058877		
k-4	Space Robotics (2)	7/16	16:00-17:40	S4 Room 1F	Sajjad Keshtkar	Tokyo Metropolitan University	2025-k-4-2	A Study of Claw-type Docking and Release Mechanism with Alignment Cone and Push Rod for Deep Space RVD	Tomoharu Tanaka	Institute of Science Tokyo	6062547		
k-4	Space Robotics (2)	7/16	16:00-17:40	S4 Room 1F	Sajjad Keshtkar	Tokyo Metropolitan University	2025-k-4-3	Towards 3D Printing in Orbit: Disturbance-free path planning with multi-objective optimisation	Jiashu Wu	The University of Sydney	6062570		
k-5	Exploration and Technologies for Mars and its moons	7/17	09:00-10:40	S4 Room 1F	Yasuhiro Kawakatsu	Japan Aerospace Exploration Agency	2025-k-5-1	Martian Moons eXploration (MMX) Development Status towards FY2026 Launch	Yasuhiro Kawakatsu	Japan Aerospace Exploration Agency	6064547	Masanori Kobayashi	Chiba Institute of Technology
k-5	Exploration and Technologies for Mars and its moons	7/17	09:00-10:40	S4 Room 1F	Yasuhiro Kawakatsu	Japan Aerospace Exploration Agency	2025-k-5-2	Physical characterization of incident microparticles using impact acoustic emission detection	Masanori Kobayashi	Chiba Institute of Technology	6053081	Masanori Kobayashi	Chiba Institute of Technology

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k-5	Exploration and Technologies for Mars and its moons	7/17	09:00-10:40	S4 Room 1F	Yasuhiro Kawakatsu	Japan Aerospace Exploration Agency	2025-k-5-3	Mars Landing System using Tensegrity Structure	Xin Ding	Institute of Science Tokyo	6065400	Masanori Kobayashi	Chiba Institute of Technology
k-6	Exploration and Technologies for Space and Small bodies	7/17	11:00-12:40	S4 Room 1F	Ryota Fuse	The University of Tokyo	2025-k-6-1	GEO-X Mission: Demonstration for Deep Space Access via Rideshare Launch by Micro-Satellite	Ryota Fuse	The University of Tokyo	6053404	Yuya Mimasu	Japan Aerospace Exploration Agency
k-6	Exploration and Technologies for Space and Small bodies	7/17	11:00-12:40	S4 Room 1F	Ryota Fuse	The University of Tokyo	2025-k-6-2	Super-close Flyby in Hayabusa2 Extended Mission	Yuya Mimasu	Japan Aerospace Exploration Agency	6053575	Yuya Mimasu	Japan Aerospace Exploration Agency
k-6	Exploration and Technologies for Space and Small bodies	7/17	11:00-12:40	S4 Room 1F	Ryota Fuse	The University of Tokyo	2025-k-6-3	3D Visualization and Thermal Imaging for Asteroid Analysis in the HEAT Software, Hayabusa2 and Hera Missions	Ramon Vilardell Belles	The University of Aizu	6064607	Yuya Mimasu	Japan Aerospace Exploration Agency
k-6	Exploration and Technologies for Space and Small bodies	7/17	11:00-12:40	S4 Room 1F	Ryota Fuse	The University of Tokyo	2025-k-6-4	Entry, Descent, and Floating for Lake-hopping Exploration on Titan	Daisuke Akita	Institute of Science Tokyo	6065660	Yuya Mimasu	Japan Aerospace Exploration Agency
m-1	Engineering experiment using sounding rocket and large balloon	7/16	09:00-10:40	S3 Room 1F	Sohsuke? Ohno	Chiba Institute of Technology	2025-m-1-1	An in-space operation project of a cylindrical rotating detonation using liquid propellants by launching the sounding rocket S-520-F34	Noboru Itouyama	Nagoya University	6064581		
m-1	Engineering experiment using sounding rocket and large balloon	7/16	09:00-10:40	S3 Room 1F	Sohsuke? Ohno	Chiba Institute of Technology	2025-m-1-2	Suborbital Reentry Flight Demonstration of 2.5 m Large Deployable Aeroshell Capsule in Sounding Rocket Experiment	Yasunori Nagata	Institute of Science Tokyo	6065195		
m-1	Engineering experiment using sounding rocket and large balloon	7/16	09:00-10:40	S3 Room 1F	Sohsuke? Ohno	Chiba Institute of Technology	2025-m-1-3	Post Flight Report of Free Flight Test of Hayabusa-Type Larger Sample Return Capsule using Scientific Balloon in Australia	Kazuhiko Yamada	Japan Aerospace Exploration Agency	6064149		
m-1	Engineering experiment using sounding rocket and large balloon	7/16	09:00-10:40	S3 Room 1F	Sohsuke? Ohno	Chiba Institute of Technology	2025-m-1-4	Study on Object Detections from Drone Aerial Images and Operations for Object Search and Recovery	Shun Imai	JAXA	6065551		
m-2	Flight test with large scientifc balloon	7/16	11:00-12:40	S3 Room 1F	Tetsuya Yoshida	Japan Aerospace Exploration Agency	2025-m-2-1	Development of the Balloon-borne Telescope “FUJIN-2” for Planetary Spectroscopic and Imaging Observations	Yasuhiro Shoji	Kanazawa University	6065804		
m-2	Flight test with large scientifc balloon	7/16	11:00-12:40	S3 Room 1F	Tetsuya Yoshida	Japan Aerospace Exploration Agency	2025-m-2-2	The Biopause project: balloon experiments to observe the upper boundary of the terrestrial biosphere	Sohsuke Ohno	Chiba Institute of Technology	6053334		
m-2	Flight test with large scientifc balloon	7/16	11:00-12:40	S3 Room 1F	Tetsuya Yoshida	Japan Aerospace Exploration Agency	2025-m-2-3	KaGErOFU: Exploring Observational Opportunities for GRB Optical Flashes with a Balloon-Borne Experiment	Tatsuya Sawano	Kanazawa University	6065293		
m-2	Flight test with large scientifc balloon	7/16	11:00-12:40	S3 Room 1F	Tetsuya Yoshida	Japan Aerospace Exploration Agency	2025-m-2-4	A Japan-India Collaborative Balloon-borne Platform for Far-infared [CII] Observations of Massive Star-forming Regions	Shinki Oyabu	Institute of Liberal Arts and Sciences, Tokushima University	6253289		

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m-2	Flight test with large scientifc balloon	7/16	11:00-12:40	S3 Room 1F	Tetsuya Yoshida	Japan Aerospace Exploration Agency	2025-m-2-5	Cooling Operation of the GAPS Si(Li) Detector System for its Pre-Flight Testing	Hideyuki Fuke	Japan Aerospace Exploration Agency	6253324		
m-3	Flight test with small balloons	7/16	14:00-15:40	S3 Room 1F	Yasuhiro? Shoji	Kanazawa University	2025-m-3-1	Effect of Center of Gravity and Moment of Inertia in a Free-Flight Environment Using a Rubber Balloon	Hideto Takasawa	Japan Aerospace Exploration Agency	6063760		
m-3	Flight test with small balloons	7/16	14:00-15:40	S3 Room 1F	Yasuhiro? Shoji	Kanazawa University	2025-m-3-2	HIGH-altitude Propeller Evaluation Research (HIGHPER) Report	Masaki Okawa	Tohoku University	6056035		
m-3	Flight test with small balloons	7/16	14:00-15:40	S3 Room 1F	Yasuhiro? Shoji	Kanazawa University	2025-m-3-3	Development and Flight Testing of a Prototype Model of a Parafoil-controlled Small High-Altitude Balloon Payload	Masafumi Edamoto	Seikei University	6053555		
n-1	SAR Applications	7/18	09:00-10:40	S1 Room 1F	Shinichi Sobue	Japan Aerospace Exploration Agency	2025-n-1-1	ALOS series PPP demonstration project phase A result	Shinichi Sobue	JAXA	6034327		
n-1	SAR Applications	7/18	09:00-10:40	S1 Room 1F	Shinichi Sobue	Japan Aerospace Exploration Agency	2025-n-1-2	Rice Mapping using ALOS-2 PALSAR-2 Data for the Improvement of Agricultural Statistics in ASEAN Region	Kei Oyoshi	Earth Observation Research Center, Japan Aerospace Exploration Agency	6053559		
n-1	SAR Applications	7/18	09:00-10:40	S1 Room 1F	Shinichi Sobue	Japan Aerospace Exploration Agency	2025-n-1-3	Comprehensive studies on Corner Reflector Deployment and Radar Reflection Analysis using Sentinel-1 data	Honey kumari	Jain (Deemed - to - be University)	6050240		
n-1	SAR Applications	7/18	09:00-10:40	S1 Room 1F	Shinichi Sobue	Japan Aerospace Exploration Agency	2025-n-1-4	Novel Approach to SAR Image registration Using Image Matching by Correcting Reference Images	Yosuke Takeo	JAXA	6065439		
n-2	Envrionmental Monitoring I	7/18	11:00-12:40	S1 Room 1F	Kei Oyoshi	Japan Aerospace Exploration Agency	2025-n-2-1	Intercomparison of cloud products derived from imagers onboard the EarthCARE and Himawari-9 satellites	Masataka Muto	JAXA	6053138		
n-2	Envrionmental Monitoring I	7/18	11:00-12:40	S1 Room 1F	Kei Oyoshi	Japan Aerospace Exploration Agency	2025-n-2-2	A Study of In-Orbit Tsunami Observation and Tsunami Observing CubeSat NEPTUNE	Takumi Suzuki	Nihon University	6053909		
n-2	Envrionmental Monitoring I	7/18	11:00-12:40	S1 Room 1F	Kei Oyoshi	Japan Aerospace Exploration Agency	2025-n-2-3	Accuracy Improvement of Image Recognition for Earth Observation Using Vision Transformer and Learning Efficiency with Active Learning	Hiroto Katsuki	Graduate Department of Aerospace Engineering, Nagoya University, Japan	6053445		
n-2	Envrionmental Monitoring I	7/18	11:00-12:40	S1 Room 1F	Kei Oyoshi	Japan Aerospace Exploration Agency	2025-n-2-4	Comparison of GPM precipitation products from JAXA and NASA over Japan	Nao Yoshida	JAXA/EORC	6053600		
n-2	Envrionmental Monitoring I	7/18	11:00-12:40	S1 Room 1F	Kei Oyoshi	Japan Aerospace Exploration Agency	2025-n-2-5	Distributed Precipitation Radar Constellation: Formation Flying Strategies for Large Aperture Synthesis	Yuki Morimoto	Space Technology Directorate I	6050933		
n-3	Envrionmental Monitoring II	7/18	14:00-15:40	S1 Room 1F	Rigen Shimada	Japan Aerospace Exploration Agency	2025-n-3-1	Overview and Updates of GOSAT-GW/AMSR3	Rigen Shimada	Japan Aerospace Exploration Agency	6053029		
n-3	Envrionmental Monitoring II	7/18	14:00-15:40	S1 Room 1F	Rigen Shimada	Japan Aerospace Exploration Agency	2025-n-3-2	A Study of the Impact of Soil Moisture Distribution on AMSR Measurement in Mongolia	Kentaro Aida	Japan Aerospace Exploration Agency	6052503		
n-3	Envrionmental Monitoring II	7/18	14:00-15:40	S1 Room 1F	Rigen Shimada	Japan Aerospace Exploration Agency	2025-n-3-3	Development of digital processor for 0.5?1.5 GHz ground-based microwave ratiometer	Yuya Nomo	Yamaguchi University	6051859		
n-3	Envrionmental Monitoring II	7/18	14:00-15:40	S1 Room 1F	Rigen Shimada	Japan Aerospace Exploration Agency	2025-n-3-4	Feasibility of Observation Methods for Turbulent Ice Areas using Nano- and Micro-satellites	Tsuyoshi Totani	Hokkaido University	6065434		
n-3	Envrionmental Monitoring II	7/18	14:00-15:40	S1 Room 1F	Rigen Shimada	Japan Aerospace Exploration Agency	2025-n-3-5	Analysis of Oceanic Eddies, Ekman Transport, Upwelling Formations and Interactions in South Java Sea, Indonesia.	Made Wirakumara Kam	Yamaguchi University	6063987		
q-1	Space Power Systems and Technologies I	7/17	14:00-15:40	S4 Room 1F	Koji Tanaka	Japan Aerospace Exploration Agency	2025-q-1-1	Development of Solar Arrays and Li-ion Batteries for Ultra-small Mars Lander	Hiroyuki Toyota	JAXA	6053638		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
q-1	Space Power Systems and Technologies I	7/17	14:00-15:40	S4 Room 1F	Koji Tanaka	Japan Aerospace Exploration Agency	2025-q-1-2	Proposal for a lightweight solar cell paddle using multiple reflections by mirrors	Keitaro Uchida	Tokyo city Univer city	6051874		
q-1	Space Power Systems and Technologies I	7/17	14:00-15:40	S4 Room 1F	Koji Tanaka	Japan Aerospace Exploration Agency	2025-q-1-3	Exploration of Qualification Testing Methods for All Solid-State Lithium-Ion Battery	Ndukayo Zamba Leone	Kyushu Institute of Technology	6052042		
q-1	Space Power Systems and Technologies I	7/17	14:00-15:40	S4 Room 1F	Koji Tanaka	Japan Aerospace Exploration Agency	2025-q-1-4	Resistance evaluation of perovskite solar cells	Yoshiyuki Murakami	JAXA	6050602		
q-1	Space Power Systems and Technologies I	7/17	14:00-15:40	S4 Room 1F	Koji Tanaka	Japan Aerospace Exploration Agency	2025-q-1-5	Lean Satellite Approach on Thermal Tests for Solar Cells Space Qualification	Marco Rosa	Kyushu Institute of Technology	6051651		
q-2	Space Power Systems and Technologies II	7/17	16:00-17:40	S4 Room 1F	Hiroyuki Toyota	Japan Aerospace Exploration Agency	2025-q-2-1	Development of a system-level integrated model targeting satellite power control system	Kaname Kawatsu	Japan Aerospace Exploration Agency	6065362		
q-2	Space Power Systems and Technologies II	7/17	16:00-17:40	S4 Room 1F	Hiroyuki Toyota	Japan Aerospace Exploration Agency	2025-q-2-2	High Voltage Busbar Design in Air at Critically Low Pressures	Oliver Korashy	European Space Agency (ESA), European Space Research and Technology Centre (ESTEC)	6052240		
q-2	Space Power Systems and Technologies II	7/17	16:00-17:40	S4 Room 1F	Hiroyuki Toyota	Japan Aerospace Exploration Agency	2025-q-2-3	Ultra-Lightweight and Large-scale, Solar Arrays for Lunar Orbiting Power Satellites	Ryuya Kumagai	Hosei University	6052717		
q-3	Energy Systems for the Moon	7/18	09:00-10:40	S4 Room 1F	John C. Mankins	Artemisinovation	2025-q-3-1	Introduction of the Electrical Power Systems Study Results for the Moon Human Activities	Koichi Ijichi	Japan Space Systems	6052718		
q-3	Energy Systems for the Moon	7/18	09:00-10:40	S4 Room 1F	John C. Mankins	Artemisinovation	2025-q-3-2	Power Supply by Lunar Solar Power System	Yoshihiro Kawakami	Obayashi Corporation	6065617		
q-3	Energy Systems for the Moon	7/18	09:00-10:40	S4 Room 1F	John C. Mankins	Artemisinovation	2025-q-3-3	Investigation of the attachment of levitating lunar dust on the solar array panel	Teppei Okumura	JAXA	6065319		
q-3	Energy Systems for the Moon	7/18	09:00-10:40	S4 Room 1F	John C. Mankins	Artemisinovation	2025-q-3-4	Space Solar Power to Enable Lunar Surface Operations	John Carlton Mankins	International Academy of Astronautics	6051680		
q-3	Energy Systems for the Moon	7/18	09:00-10:40	S4 Room 1F	John C. Mankins	Artemisinovation	2025-q-3-5	Conceptual study of energy supply system from lunar orbit	Koji Tanaka	Department of Spacecraft Engineering	6064207		
q-4	Solar Power Satellite I	7/18	11:00-12:40	S4 Room 1F	Koichi Ijichi	J-spacesystems	2025-q-4-1	Results of an Independent International Assessment of Space Solar Power	John Carlton Mankins	International Academy of Astronautics	6051674		
q-4	Solar Power Satellite I	7/18	11:00-12:40	S4 Room 1F	Koichi Ijichi	J-spacesystems	2025-q-4-2	The Development Results of the SSPS Project and the current status of the OHISAMA Project	Koichi Ijichi	Japan Space Systems	6052680		
q-4	Solar Power Satellite I	7/18	11:00-12:40	S4 Room 1F	Koichi Ijichi	J-spacesystems	2025-q-4-4	Evaluation of on-orbit deformation of the thinner main structure of a solar-powered satellite	Takumi Horibe	Hosei University	6053807		
q-4	Solar Power Satellite I	7/18	11:00-12:40	S4 Room 1F	Koichi Ijichi	J-spacesystems	2025-q-4-5	Thermal Studies of thinner structures for power generation and transmission panels of the Tethered-SPS	Yuta Katsuyama	Hosei University	6052994		
q-5	Solar Power Satellite II	7/18	14:00-15:40	S4 Room 1F	Hiroki Yanagawa	J-spacesystems	2025-q-5-1	Mission System Development for OHISAMA Project	Koji Tanaka	Department of Spacecraft Engineering	6064152		
q-5	Solar Power Satellite II	7/18	14:00-15:40	S4 Room 1F	Hiroki Yanagawa	J-spacesystems	2025-q-5-2	Ground pattern measurement system and preliminary evaluation results for transmitting APAA in long-distance wireless power transmission experiment by aircraft.	Yoshiyuki Fujino	Toyo University	6052024		

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q-5	Solar Power Satellite II	7/18	14:00-15:40	S4 Room 1F	Hiroki Yanagawa	J-spacesystems	2025-q-5-3	Experiments on Ground-Based Measurement of Two-Dimensional Antenna Pattern from Earth Observation Satellites	Hidetoshi Kataoka	Toyo-University	6051865		
q-5	Solar Power Satellite II	7/18	14:00-15:40	S4 Room 1F	Hiroki Yanagawa	J-spacesystems	2025-q-5-4	Examination of power receiving system for technology demonstration satellites in solar power generation satellites	Naoki Warigai	Suwa University of Science	6053715		
q-6	WPT	7/18	16:00-17:40	S4 Room 1F	Koji Tanaka	Japan Aerospace Exploration Agency	2025-q-6-1	Calibration Method Combined with Digital Retrodirective System for Large-Scale Phased Arrays in Solar Power Satellites	Simon Maillot	The Graduate University for Advanced Studies (SOKENDAI)	6052250		
q-6	WPT	7/18	16:00-17:40	S4 Room 1F	Koji Tanaka	Japan Aerospace Exploration Agency	2025-q-6-2	Experimental Evaluation of Beam Control Accuracy for Solar Power Satellites Using Software Retrodirective Method	Tomu Matsutomo	Suwa University of Science	6053769		
q-6	WPT	7/18	16:00-17:40	S4 Room 1F	Koji Tanaka	Japan Aerospace Exploration Agency	2025-q-6-3	Development of Transmitting Antenna Integrated with Thin-Film Solar Array	Yumi Kawai	Hosei university	6061922		
q-6	WPT	7/18	16:00-17:40	S4 Room 1F	Koji Tanaka	Japan Aerospace Exploration Agency	2025-q-6-4	Uncovering the Legacy: Wireless Power Transfer on Reunion Island	Damien Gonfo	Universite Toulouse III - Paul Sabatier	6053526		
r-1	Space debris, Risk Management of Space Objects(1)	7/18	09:00-10:40	S2 Room 1F	Kumi Nitta	JAXA	2025-r-1-1	Intentional robust disruption (IRD) of asteroids for multi-modal planetary defense	Brin Bailey	University of California, Santa Barbara	6068544	Toshifumi Yanagisawa	JAXA
r-1	Space debris, Risk Management of Space Objects(1)	7/18	09:00-10:40	S2 Room 1F	Kumi Nitta	JAXA	2025-r-1-2	Orbit Precision Necessary for Collision Risk Mitigation	Hideaki Hinagawa	Japan Aerospace Exploration Agency	6061015	Toshifumi Yanagisawa	JAXA
r-1	Space debris, Risk Management of Space Objects(1)	7/18	09:00-10:40	S2 Room 1F	Kumi Nitta	JAXA	2025-r-1-3	Cislunar Space Traffic Management System based on Operational Zones	Sourav Ghosh	The University of Tokyo	6053751	Toshifumi Yanagisawa	JAXA
r-1	Space debris, Risk Management of Space Objects(1)	7/18	09:00-10:40	S2 Room 1F	Kumi Nitta	JAXA	2025-r-1-4	Effectiveness of Drag Augmentation in Post-mission Disposal	Ryuji Nakawatase	Kyushu University	6052393	Toshifumi Yanagisawa	JAXA
r-1	Space debris, Risk Management of Space Objects(1)	7/18	09:00-10:40	S2 Room 1F	Kumi Nitta	JAXA	2025-r-1-5	Prediction of Ejecta Generation Behavior due to Hyper Velocity Space Debris Impacts Using Smoothed Particle Hydrodynamics	Souichi Maruyama	The University of Tokyo	6053308	Toshifumi Yanagisawa	JAXA
r-2	Space debris, Risk Management of Space Objects(2)	7/18	11:00-13:00	S2 Room 1F	Toshiya Hanada	Kyushu University	2025-r-2-1	Hydrocode Simulations and Risk Management to Address Particle Hazards in Solar Power Satellite Structures	Simon Maillot	The Graduate University for Advanced Studies (SOKENDAI)	6052683	John Sinko	Saint Cloud State University
r-2	Space debris, Risk Management of Space Objects(2)	7/18	11:00-13:00	S2 Room 1F	Toshiya Hanada	Kyushu University	2025-r-2-2	The SKALE Project's Integrated Approach to Simulation and Experimentation on Satellite Re-entries	Daniel Andre Galla	University of Stuttgart, Institute of Space Systems	6067747	John Sinko	Saint Cloud State University
r-2	Space debris, Risk Management of Space Objects(2)	7/18	11:00-13:00	S2 Room 1F	Toshiya Hanada	Kyushu University	2025-r-2-3	Parameter Optimisation for Preservation of Tether-net Full Deployment using Double-linked Bullet	WEIKANG CHONG	Tokyo Metropolitan University	6052543	John Sinko	Saint Cloud State University
r-2	Space debris, Risk Management of Space Objects(2)	7/18	11:00-13:00	S2 Room 1F	Toshiya Hanada	Kyushu University	2025-r-2-4	Analytical Equations for Optimal Parameters in Preventing Tether-net Retraction Using Double-Linked Bullets	WEIKANG CHONG	Tokyo Metropolitan University	6253355	John Sinko	Saint Cloud State University
r-2	Space debris, Risk Management of Space Objects(2)	7/18	11:00-13:00	S2 Room 1F	Toshiya Hanada	Kyushu University	2025-r-2-5	Towards Efficient Capture in Space: Soft Gripper Performance on Rotating Objects	Alfredo Puente-Flores	Tokyo Metropolitan University	6053053	John Sinko	Saint Cloud State University

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r-2	Space debris, Risk Management of Space Objects(2)	7/18	11:00-13:00	S2 Room 1F	Toshiya Hanada	Kyushu University	2025-r-2-6	Laser Ablation of Aluminum Oxide in Simulated Low Earth Orbit Conditions	Matthew Molenaar	St Cloud State University	6052822	John Sinko	Saint Cloud State University
r-3	Space debris, Removal and Social Impact	7/18	14:00-15:40	S2 Room 1F	Hideaki Hinagawa	JAXA	2025-r-3-1	Laser Orbital Debris Removal of Magnesium in Simulated Low Earth Orbit Pressures	Matthew Molenaar	St Cloud State University	6065059	Kumi Nitta	JAXA
r-3	Space debris, Removal and Social Impact	7/18	14:00-15:40	S2 Room 1F	Hideaki Hinagawa	JAXA	2025-r-3-2	Update on Laser Orbital Debris Removal Potential of Materials: 532 nm and 1064 nm	John E. Sinko	Institute for Materials, Energetics and Complexity	6052340	Kumi Nitta	JAXA
r-3	Space debris, Removal and Social Impact	7/18	14:00-15:40	S2 Room 1F	Hideaki Hinagawa	JAXA	2025-r-3-3	Laboratory Tests on Laser Orbital Debris Removal of Carbon Fiber Reinforced Polymer	John Elihu Sinko	Institute for Materials, Energetics and Complexity	6003753	Kumi Nitta	JAXA
r-3	Space debris, Removal and Social Impact	7/18	14:00-15:40	S2 Room 1F	Hideaki Hinagawa	JAXA	2025-r-3-4	Proposal for a Multi-Space Object Combining System for Resource Management and Protection of On-Orbit Space Objects and Study on Combining Procedures Considering Gravitational Gradient Torque	Kenichiro Takahashi	Institute of Science Tokyo	6065840	Kumi Nitta	JAXA
r-3	Space debris, Removal and Social Impact	7/18	14:00-15:40	S2 Room 1F	Hideaki Hinagawa	JAXA	2025-r-3-5	Exploring Economic Incentives for Sustainable Space Debris Management: A System Dynamics Approach	Yokei Yamaguchi	Ritsumeikan University	6051581	Kumi Nitta	JAXA
r-4	Space environment	7/18	16:00-17:40	S2 Room 1F	Kazuhiro Toyoda	Kyushu Institute of Technology	2025-r-4-1	Study of electron beam propagation in ionospheric plasmas by PIC method	Kosuke Orui	Osaka Metropolitan University	6064827	Toshifumi Yanagisawa	JAXA
r-4	Space environment	7/18	16:00-17:40	S2 Room 1F	Kazuhiro Toyoda	Kyushu Institute of Technology	2025-r-4-2	Overview of Ground Testing Facilities for Atomic Oxygen Material Testing	Alexander Schlitzer	Institute of Space Systems, University of Stuttgart, Germany	6064691	Toshifumi Yanagisawa	JAXA
r-4	Space environment	7/18	16:00-17:40	S2 Room 1F	Kazuhiro Toyoda	Kyushu Institute of Technology	2025-r-4-3	Evaluating Solar Cell Performance under simulated lunar dust charging inside vacuum chamber	Sara Ramadan Aziz Gha	Kyushu institute of technology	6065558	Toshifumi Yanagisawa	JAXA
S-1		7/17	09:00-10:40	Tokiwa Hall 2F	Akita Takeshi	Chiba Institute of Technology	2025-S-1-1	Ion Dynamics in the Porous Emitter Ionic Liquid Electrospray Thrusters	Koki Takagi	Yokohama National University	6052698	Kyoichi Nakashino	Tokai University
S-1		7/17	09:00-10:40	Tokiwa Hall 2F	Akita Takeshi	Chiba Institute of Technology	2025-S-1-2	Effect of Magnetic Field Topology on High-Voltage Hall Thrusters	Shohei Nishida	Shizuoka University	6053019	Kyoichi Nakashino	Tokai University
S-1		7/17	09:00-10:40	Tokiwa Hall 2F	Akita Takeshi	Chiba Institute of Technology	CXL	(withdraw)	(withdraw)	(withdraw)	6052181	Kyoichi Nakashino	Tokai University
S-1		7/17	09:00-10:40	Tokiwa Hall 2F	Akita Takeshi	Chiba Institute of Technology	2025-S-1-4	Effects of Laser Power and Mass Flow Rate on Thrust Performance of Diode Laser Sustained Plasma Thruster using Argon	Keisuke Sumi	Shizuoka university	6052032	Kyoichi Nakashino	Tokai University
S-1		7/17	09:00-10:40	Tokiwa Hall 2F	Akita Takeshi	Chiba Institute of Technology	2025-S-1-5	Effect of Throat Configuration on Thrust Performance of Fiber-Laser-Sustained Plasma Propulsion System	Tamaki Tsukadaira	Shizuoka University	6065656	Kyoichi Nakashino	Tokai University
S-2		7/17	11:00-12:40	Tokiwa Hall 2F	Yuichi Takaku	Tokyo University of Science	2025-S-2-1	Evaluation of AMU as an Ionic Liquid for Multi-Mode Propulsion Using a Porous Ionic Liquid Electrospray Thruster	Yoshito Arakaki	The Graduate University for Advanced Studies	6053581	Yusuke Oki	Japan Aerospace Exploration Agency
S-2		7/17	11:00-12:40	Tokiwa Hall 2F	Yuichi Takaku	Tokyo University of Science	2025-S-2-2	Robust Attitude Control of Flexible Satellite with Parametric Uncertainty using Active Disturbance Rejection Control	Hironori Tawaraya	National Defense Academy of Japan	6052231	Yusuke Oki	Japan Aerospace Exploration Agency
S-2		7/17	11:00-12:40	Tokiwa Hall 2F	Yuichi Takaku	Tokyo University of Science	2025-S-2-3	Resonant Flyby Trajectory Design using Deep Neural Network in CRTBP	Shota Ito	Department of Aeronsutics and Astronautics, Tokyo Metropolitan University	6053919	Yusuke Oki	Japan Aerospace Exploration Agency

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S-2		7/17	11:00-12:40	Tokiwa Hall 2F	Yuichi Takaku	Tokyo University of Science	2025-S-2-4	Estimation of Celestial Elliptical Shape for CubeSat Optical Navigation Using Eccentricity Constraints	Sae Ogoshi	the University of Tokyo	6053904	Yusuke Oki	Japan Aerospace Exploration Agency
S-2		7/17	11:00-12:40	Tokiwa Hall 2F	Yuichi Takaku	Tokyo University of Science	2025-S-2-5	Long-term Observability of Solar Panel-Mounted Penetrators	Koda Yamamoto	Kochi University of Technology	6051458	Yusuke Oki	Japan Aerospace Exploration Agency
S-3		7/17	14:00-15:40	Tokiwa Hall 2F	Daisuke Akita	Tokyo University of Science	2025-S-3-1	Aerodynamic Characterization and Modeling of a Double-Flare Type Membrane Aeroshell Reentry Capsule in Hypersonic Flow	Reo Iida	The University of Tokyo	6052232	Hiraku Sakamoto	Tokyo University of Science
S-3		7/17	14:00-15:40	Tokiwa Hall 2F	Daisuke Akita	Tokyo University of Science	2025-S-3-2	Improvement of Aerodynamic Performance of Atmospheric Assist Reusable Sounding Rocket Using Deflective Plates	Taisei Kishimoto	Shizuoka university	6052063	Hiraku Sakamoto	Tokyo University of Science
S-3		7/17	14:00-15:40	Tokiwa Hall 2F	Daisuke Akita	Tokyo University of Science	2025-S-3-3	The Evaluation of the Individual Differences and the Effects of Test Sequence on Discharge Threshold Measurements of Materials for Space Use	Rikuto Hojo	Kyushu Institute of Technology	6053425	Hiraku Sakamoto	Tokyo University of Science
S-3		7/17	14:00-15:40	Tokiwa Hall 2F	Daisuke Akita	Tokyo University of Science	2025-S-3-4	Research on performance comparison and operating principal analysis of satellite antistatic electron emitter films for practical application.	Miu Konaka	Kyushu Institute Of Technology	6052426	Hiraku Sakamoto	Tokyo University of Science
t-1	Enhancing Practical Learning with MBSE in Universities	7/17	09:00-10:40	S2 Room 1F			2025-t-1-1	An Overview of the Development Plan for a Space Architect Training Program Utilizing MBSE	Kohei TANAKA	Keio University	6053675	Kohei Tanaka	Keio University
t-1	Enhancing Practical Learning with MBSE in Universities	7/17	09:00-10:40	S2 Room 1F			2025-t-1-2	Progress Report on Developing Educational Materials for Training Space Architects to Contribute to Aerospace Development and Utilization from Multiple Perspectives	Tsubasa Ito	Keio University	6053727	Kohei Tanaka	Keio University
t-1	Enhancing Practical Learning with MBSE in Universities	7/17	09:00-10:40	S2 Room 1F			2025-t-1-3	Visualization and Evaluation of Learning Effects by Rubric for Human Resource Development of Architects in the Space Field: An Example of Learning Program for Japanese University Students	Ryoya Inomata	Graduate School of System Design and Management, Keio University	6053848	Kohei Tanaka	Keio University
t-1	Enhancing Practical Learning with MBSE in Universities	7/17	09:00-10:40	S2 Room 1F			2025-t-1-4	Design of an Educational Program to Learn Satellite System Development Life Cycle Using “HEPTA-SAT LITE"	Nagisa Sone	Nihon Univercity	6065781	Kohei Tanaka	Keio University
t-1	Enhancing Practical Learning with MBSE in Universities	7/17	09:00-10:40	S2 Room 1F			2025-t-1-5	PRELUDE CubeSat On-board Software Development using MBSE	Masaki Naito	Nihon University	6052936	Kohei Tanaka	Keio University
t-2	Integrating Model-Based Approaches for Space System Resilience	7/17	11:00-12:40	S2 Room 1F			2025-t-2-1	Investigation of a low-cost on-orbit satellite health monitoring method	Shun Katsube	Tokyo Metropolitan University	6051998	Hiraku Sakamoto	Institute of Science Tokyo
t-2	Integrating Model-Based Approaches for Space System Resilience	7/17	11:00-12:40	S2 Room 1F			2025-t-2-2	Development of a Design Support Tool for Satellite FDIR by Generating State Transition Diagrams and Evaluating Probabilistic Reliability and Complexity	Takato Hatae	The University of Tokyo	6053002	Hiraku Sakamoto	Institute of Science Tokyo

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t-2	Integrating Model-Based Approaches for Space System Resilience	7/17	11:00-12:40	S2 Room 1F			2025-t-2-3	MBSE/MBD Application to Combined Cycle Engine for Reusable Launch Vehicle	Daichi Utsunomiya	Waseda University	6052080	Hiraku Sakamoto	Institute of Science Tokyo
t-3	Transforming Business with Systems Engineering and IT in Manufacturing	7/17	14:00-15:40	S2 Room 1F			2025-t-3-1	Investigation of Mission Software Architecture for Software Defined	Yuna Tsuji	Software Engineering Department, Kamakura Works, Mitsubishi Electric Corporation	6048393	Yoshikazu Hirayama	Mitsubishi Electric
t-3	Transforming Business with Systems Engineering and IT in Manufacturing	7/17	14:00-15:40	S2 Room 1F			2025-t-3-2	Unveiling Space Security: Essential vs. Non-Essential Controls for Safeguarding Space Assets through Threat and Risk Analysis (TRA)	Pak Ho CHAN	HephaX	6070050	Yoshikazu Hirayama	Mitsubishi Electric
t-3	Transforming Business with Systems Engineering and IT in Manufacturing	7/17	14:00-15:40	S2 Room 1F			2025-t-3-3	Consideration of the measure to improve GSaaS (Ground Segment as a Service)	Ryan Proffitt	Infostellar Inc.	6053656	Yoshikazu Hirayama	Mitsubishi Electric
u-1	Space Education and Outreach for the Benefit of All People (1)	7/17	09:00-10:40	S3 Room 1F	Tetsuro Harada	Kyushu Institute of Technology	2025-u-1-1	Transdisciplinary Human Capital Development Program for Space Science, Engineering and Business: Ritsumeikan Space Initiative	Nobuaki Minato	Ritsumeikan Universtiy	6051534		
u-1	Space Education and Outreach for the Benefit of All People (1)	7/17	09:00-10:40	S3 Room 1F	Tetsuro Harada	Kyushu Institute of Technology	2025-u-1-2	Report of the Human Resource Development Program in Development of 2U size CubeSat by Under-graduate students	Kentaro Kitamura	Kyushu Institute of Technology	6051574		
u-1	Space Education and Outreach for the Benefit of All People (1)	7/17	09:00-10:40	S3 Room 1F	Tetsuro Harada	Kyushu Institute of Technology	2025-u-1-3	Reunion Island Space Center: Pioneering Space Education and Renewable Energy Technologies	Esteban Decline	PIKALI	6053788		
u-1	Space Education and Outreach for the Benefit of All People (1)	7/17	09:00-10:40	S3 Room 1F	Tetsuro Harada	Kyushu Institute of Technology	2025-u-1-4	Strengthening Space Education Quality through Student-led Development and Launching of Can Satellite and Sounding Rocket	Jeremy Suan Bajado	Indiana Aerospace University	6064936		
u-1	Space Education and Outreach for the Benefit of All People (1)	7/17	09:00-10:40	S3 Room 1F	Tetsuro Harada	Kyushu Institute of Technology	2025-u-1-5	A Tailored BIRDS Proto-Satellite Training Platform for Accelerated CubeSat Development	Victor Hugo Schulz	Kyushu Institute of Technology - Kyutech	6065432		
u-2	Space Education and Outreach for the Benefit of All People (2)	7/17	11:00-12:40	S3 Room 1F	Kentaro Kitamura	Kyushu Institute of Technology	2025-u-2-1	Proposing evaluation method for overlap style educational cubesat program	Tetsuro Harada	kyushu Institute of Technology	6053828		
u-2	Space Education and Outreach for the Benefit of All People (2)	7/17	11:00-12:40	S3 Room 1F	Kentaro Kitamura	Kyushu Institute of Technology	2025-u-2-2	Quantitative Risk Analysis Training Using Fault Tree Analysis and Design Structure Matrix	Yukihisa Otani	Kyushu Institute of Technology	6053916		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
u-2	Space Education and Outreach for the Benefit of All People (2)	7/17	11:00-12:40	S3 Room 1F	Kentaro Kitamura	Kyushu Institute of Technology	2025-u-2-3	The Space Engineering Education Effect of the 20th Noshiro Space Event	Yo Kawabata	Tokai University	6065748		
u-2	Space Education and Outreach for the Benefit of All People (2)	7/17	11:00-12:40	S3 Room 1F	Kentaro Kitamura	Kyushu Institute of Technology	2025-u-2-4	Proposal for Systeam Educational Methods Focused on Space Education	Remi Enomoto	Graduate School of System Design and Management, Keio University	6052013		
u-3	Space Education and Outreach for the Benefit of All People (3)	7/17	14:00-15:40	S3 Room 1F	Yukihisa Otani	Kyushu Institute of Technology	2025-u-3-1	Spacecraft Comprehension with Training CubeSat Models	Toshiaki Iwata	Digitalizition Promotion Academy	6049156		
u-3	Space Education and Outreach for the Benefit of All People (3)	7/17	14:00-15:40	S3 Room 1F	Yukihisa Otani	Kyushu Institute of Technology	2025-u-3-2	A VR-Based Hands-on Learning Environment for Teaching the Design and Development of Small Satellite Systems	Kazuya Ogawa	Nihon University	6053812		
u-3	Space Education and Outreach for the Benefit of All People (3)	7/17	14:00-15:40	S3 Room 1F	Yukihisa Otani	Kyushu Institute of Technology	2025-u-3-3	Meteor Detection on the CubeSat SOURCE: Using a neural network as on-board detection algorithm	Linus Koster	Small Satellite Student Society of the University of Stuttgart	6058065		
v-1	Space Policy and History	7/15	11:00-12:40	Tokiwa Hall 2F	Hirotaka Watanabe	The University of Osaka	2025-v-1-1	Project Apollo as a U.S. Space Policy: Review of Several Issues	Hirotaka Watanabe	University of Osaka	6065451	Yasuaki Hashimoto	
v-1	Space Policy and History	7/15	11:00-12:40	Tokiwa Hall 2F	Hirotaka Watanabe	The University of Osaka	2025-v-1-2	The Kennedy Administration and the International Order for the Use of Outer Space	Yuichiro Nagai	Nihon University	6063635	Yasuaki Hashimoto	
v-1	Space Policy and History	7/15	11:00-12:40	Tokiwa Hall 2F	Hirotaka Watanabe	The University of Osaka	2025-v-1-3	The Impact of Space-to-Earth Weapons Concepts on the Stability of Space Use	Yasuhito Fukushima	National Institute for Defense Studies, Japan	6065622	Yasuaki Hashimoto	
v-1	Space Policy and History	7/15	11:00-12:40	Tokiwa Hall 2F	Hirotaka Watanabe	The University of Osaka	2025-v-1-4	Short Review of Japan's Space Programs and Policies	Yasuaki Hashimoto	National Institute for Defense Studies	6046478	Yasuaki Hashimoto	
v-2	Space Law	7/15	14:00-15:40	Tokiwa Hall 2F	Souichirou Kozuka	Gakushuin University	2025-v-2-1	The control of risks and the space law: the use of space insurance under the US and Japanese space law compared	Souichirou Kozuka	Gakushuin University	6064711	Masahiko Sato	International Institute of Space Law
v-2	Space Law	7/15	14:00-15:40	Tokiwa Hall 2F	Souichirou Kozuka	Gakushuin University	2025-v-2-2	National Regulatory Elements for Safety Zone in Outer Space	Yu Takeuchi	Space Law Research Center, Keio University	6052308	Masahiko Sato	International Institute of Space Law
v-2	Space Law	7/15	14:00-15:40	Tokiwa Hall 2F	Souichirou Kozuka	Gakushuin University	2025-v-2-3	An Analysis of the International Frameworks on Space Applications: A Case Study for the Future Consideration of the International SSA Framework	Ikuko Kuriyama	Institute for Future Initiatives, The University of Tokyo	6052853	Masahiko Sato	International Institute of Space Law
v-2	Space Law	7/15	14:00-15:40	Tokiwa Hall 2F	Souichirou Kozuka	Gakushuin University	2025-v-2-4	The Future Role of the Moon Agreement	Masahiko Sato	International Institute of Space Law	6065770	Masahiko Sato	International Institute of Space Law
v-3	Space Governance and Business	7/15	16:00-17:40	Tokiwa Hall 2F	Masahiko Sato	International Institute of Space Law	2025-v-3-1	Comparison Analysis of Space Capabilities Assessment Methods	Feng-Tai Hwang	Taiwan Space Agency	6051745	Yu Takeuchi	Keio University
v-3	Space Governance and Business	7/15	16:00-17:40	Tokiwa Hall 2F	Masahiko Sato	International Institute of Space Law	2025-v-3-2	Space-enabled Innovations to Solve Earth's Issues	Satoru Kurosu	Yokogawa Electric Corporation	6052022	Yu Takeuchi	Keio University

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
w-1	EEE components	7/18	09:00-10:40	S3 Room 1F	Koji Oga	Japan Manned Space Systems Corporation	2025-w-1-1	Evaluation of the Space Adaptability of 65nm NanoBridge FPGA	Hiroaki Kawara	Japan Aerospace Exploration Agency	6068704	Ryoji Kobayashi	Japan Aerospace Exploration Agency
w-1	EEE components	7/18	09:00-10:40	S3 Room 1F	Koji Oga	Japan Manned Space Systems Corporation	2025-w-1-2	Investigation of Contribution of Proton Direct Ionization Effect Caused by Low-Energy Proton in Digital Devices for Soft Error Rate Increase	Keita Sakamoto	Japan Aerospace Exploration Agency	6053356	Ryoji Kobayashi	Japan Aerospace Exploration Agency
w-1	EEE components	7/18	09:00-10:40	S3 Room 1F	Koji Oga	Japan Manned Space Systems Corporation	2025-w-1-3	The latest activities related to the passive parts in JAXA	Kensuke Shiba	JAXA, Safety and Mission Assurance Department	6052398	Ryoji Kobayashi	Japan Aerospace Exploration Agency
w-1	EEE components	7/18	09:00-10:40	S3 Room 1F	Koji Oga	Japan Manned Space Systems Corporation	2025-w-1-4	Efforts towards the reliability of mounting small-sized electronic parts for space use	Tsuyoshi Nakagawa	Japan Aerospace Exploration Agency	6052074	Ryoji Kobayashi	Japan Aerospace Exploration Agency
w-1	EEE components	7/18	09:00-10:40	S3 Room 1F	Koji Oga	Japan Manned Space Systems Corporation	2025-w-1-5	EEE parts Management Requirement for Pressurized Rover(PR) with Automotive EEE parts	Isamu Higashino	JAXA	6050862	Ryoji Kobayashi	Japan Aerospace Exploration Agency
w-2	Mission assurance	7/18	11:00-12:40	S3 Room 1F	Shindo Hiroyuki	Japan Aerospace Exploration Agency	2025-w-2-1	Introduction to JAXA Standards	Shinichiro Taura	Japan Aerospace Exploration Agency	6053483	Koji Oga	Japan Manned Space Systems Corporation
w-2	Mission assurance	7/18	11:00-12:40	S3 Room 1F	Shindo Hiroyuki	Japan Aerospace Exploration Agency	2025-w-2-2	Quality Leadership Communication: International Cooperation in IAQG/JAQG	Isatada Matsune	Mitsubishi Heavy Industries, Ltd	6116716	Koji Oga	Japan Manned Space Systems Corporation
w-2	Mission assurance	7/18	11:00-12:40	S3 Room 1F	Shindo Hiroyuki	Japan Aerospace Exploration Agency	2025-w-2-3	Introduction to FIDES and comparison of reliability prediction of space electronic components by FIDES and MIL-HDBK-217	Tae Mochizuki	Reliability and Quality Directorate	6052469	Koji Oga	Japan Manned Space Systems Corporation
w-2	Mission assurance	7/18	11:00-12:40	S3 Room 1F	Shindo Hiroyuki	Japan Aerospace Exploration Agency	2025-w-2-4	Update point of M&P Requirements for Japanese Manned Spacecraft, and Current M&P technical issues and status of approach	Hideyuki Takahashi	Japan Aerospace Exploration Agency Human Space Safety and Mission Assurance Office	6051230	Koji Oga	Japan Manned Space Systems Corporation
w-3	Safety	7/18	14:00-15:40	S3 Room 1F	Koichi Suzuki	Japan Aerospace Exploration Agency	2025-w-3-1	Experimental Investigation of Safety Assessment of Hybrid Rocket Propellant with Explosives	Akiyo Takahashi	Nihon University	6046019	Shindo Hiroyuki	Japan Aerospace Exploration Agency
w-3	Safety	7/18	14:00-15:40	S3 Room 1F	Koichi Suzuki	Japan Aerospace Exploration Agency	2025-w-3-2	FRAM network for rocket propellants	Akiyo Takahashi	Nihon University	6048508	Shindo Hiroyuki	Japan Aerospace Exploration Agency
w-3	Safety	7/18	14:00-15:40	S3 Room 1F	Koichi Suzuki	Japan Aerospace Exploration Agency	2025-w-3-3	Radical optimizations in safety requirements and safety review processes for launch vehicle payloads launched from the Kagoshima Space Center	Kenichi Sato	Japan Aerospace Exploration Agency	6049136	Shindo Hiroyuki	Japan Aerospace Exploration Agency
w-3	Safety	7/18	14:00-15:40	S3 Room 1F	Koichi Suzuki	Japan Aerospace Exploration Agency	2025-w-3-4	A Study of Problems of Evacuation Behavior in Microgravity and Low Gravity Environments by Simulated Experiments	Satoru Sasajima	Tokyo University of Science	6053323	Shindo Hiroyuki	Japan Aerospace Exploration Agency
w-4	Software and system	7/18	16:00-17:40	S3 Room 1F	Shindo Hiroyuki	Japan Aerospace Exploration Agency	2025-w-4-1	Safety Assessment for HTV-X Common Cause Software Failure	Haruka Tamaru	Japan Aerospace Exploration Agency	6053759	Koichi Suzuki	Japan Aerospace Exploration Agency
w-4	Software and system	7/18	16:00-17:40	S3 Room 1F	Shindo Hiroyuki	Japan Aerospace Exploration Agency	2025-w-4-2	Attitude Determination and Control Subsystem Simulator Design for Lilium-2 and Lilium-3 CubeSats with Simulation of Certain Fault Conditions	Yi-Ling Leung	Department of Electrical Engineering, National Cheng Kung University	6064328	Koichi Suzuki	Japan Aerospace Exploration Agency
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-j-p-1	Stabilization of Centroids Using Initial Wavefront Multiplexing Multibeam	Taiga Manabe	Tokai Univercity	6034228		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-c-p-1	Research Method for Evaluating the Structural Performance Risks of Satellite Solar Panels under Random Vibration Specifications through Acoustic Vibration Testing	Wei-Chuan Wu	Taiwan Space Agency	6035523		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-n-p-1	Assessment of Building Damage at the District Level for the 2024 Noto Peninsula Earthquake Using Synthetic Aperture Radar onboard Satellite	Takashi Nonaka	Nihon University	6044612		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-e-p-1	Investigation of a method to improve the accuracy of temperature measurement around the discharge field based on high-spatial-resolution time-series visualization data	Ryunosuke Kawai	Graduate School of Science and Technology, Major in Mechanical Engineering, Meijo University	6046034		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-d-p-1	Orbit determination of active satellites with maneuvers using optical observation data	Shengxian Yu	Purple Mountain Observatory, Chinese Academy of Sciences	6049307		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-j-p-2	An Investigation into the Optimal Degree of Initial Wavefront Modulation in Initial Wavefront Multiplexing Multibeam Systems	Haruto Hirose	Tokai University	6050043		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-e-p-2	Investigation of Pressure Distribution around a deep space sample return capsule in the transonic region	Ryu Oguma	Ryukoku University Graduate School	6050608		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-r-p-1	Starlink Orbit Maneuver Detection and Analysis Technology	Rong Lan Wang	National Space Science Center, Chinese Academy of Sciences	6051438		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-e-p-3	Synergistic Application of Numerical Simulations and Machine Learning for the Optimization Study on Aerodynamic Characteristics of Diverterless Supersonic Inlets Integrated with Forebody	Po-Wen Hwang	Department of Aerospace and Systems Engineering, Feng Chia University	6051660		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-k-p-1	Electrodynamic Dust Shield under Ultraviolet Irradiation for Lunar Explorations	Keisuke Kohara	Kyoto University	6051861		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-e-p-4	Lateral and Axial Force Control by Installing Micro Protuberance on a Supersonic Rocket	Kota Tanikawara	Yokohama National University	6051862		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-k-p-2	Transport Characteristics of Particulate Materials Using Granular Vibration Pumping System for In-Situ Resource Utilization	Sota Suzuki	Kyoto University	6051877		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-e-p-5	Numerical Analysis on NACA0012 Aerodynamics within Propeller Slipstream at Low Reynolds Number	Hayato Sato	Yokohama National University	6051878		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-e-p-6	Acoustic Influence of Plasma Additional Power to Water Vapor Supersonic Jets	Kasim Migita	Graduate School of daido university	6052243		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-c-p-2	Simulation-based Soft Error Estimation for Semiconductor Package Materials	Shuji Kobayashi	Resonac Corporation	6052441		

Session	Session Name	Date	Time	Room	Chairperson 1		Paper No.	title	Author/Speaker	Affiliation	Submit No.	Chairperson 2	
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-d-p-2	Domain Randomization for Sim2Sim in 6 DoF Rendezvous-Docking	Phoebe Calista Lydwina	The University of Tokyo	6052504		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-k-p-3	Modelling of lower limb muscle activation under reduced gravity conditions: a Stewart platform-based reduced gravity simulator	Carlos Joaquin Meza Fl	Tecnologico de Monterrey, School of Engineering and Science, Campus Guadalajara	6053063		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-k-p-4	Electromyography driven movement of a human-controlled space robotic manipulator	Diego Armando Ramos	Tecnologico de Monterrey, School of Engineering and Sciences, Campus Guadalajara	6053147		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-e-p-7	Numerical Simulation on Laser-Detonation Expansion Tube for VLEO Hypersonic Flow Generation	Masayuki Takahashi	Department of Aerospace Engineering, Tohoku University	6053408		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-c-p-3	Improving thermal properties of regolith by resin coating	Yohei Shimizu	Resonac Corporation	6053457		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-c-p-4	Development of Tunable Broadband Radar Absorbing Structures Based on Dual-Layer Active Frequency Selective Surfaces	Ruey-Bin Yang	Feng Chia University	6053804		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-c-p-5	Design of 3-D Cylindrical Rigid Deployable Structures with Integrated Connections and Its Effectiveness	Jiaqi Jin	Tokai University	6053871		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-k-p-5	Design and Testing of a Nutrient Solution Conditioning Control Board for Planetary Greenhouse Applications	Hannes Maibach	German Aerospace Center (DLR)	6053915		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-q-p-1	Review of Flame Cooling Device for Space Launch Vehicle	YOONHO SONG	Korea Aerospace Research Institute(KARI)	6061807		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-1	The Influence of Hollow Anode Shape on the Propulsion Performance of Anode Layer Hall Thrusters	Takumi Tsuji	Tokai University	6062211		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-i-p-1	Design of heat exchanger for small scale oxidizer subcooling system	Janghwan Lee	Korea Aerospace Research Institute	6064115		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-2	Argon-fed Characteristics of Low-power Anode-Layer Hall Thrusters	Shunsei Hoshino	Tokai University	6064291		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-q-p-2	Wireless Power Transmission Through Spacecraft Structural Panel	Yuta Shimomura	Aoyama Gakuin University	6064294		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-3	Analysis of Surface Contamination near Gridded Ion Thruster Detected in Thruster Operation Experiments	Ryuki Yamamoto	Chukyo University	6064378		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-4	Characterization of a Low-power Wall-less External-discharge Hall Thruster	Kaho Suzuki	Tokai University	6064383		

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P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-5	Characterization of Thrust Generation Mechanism through Interaction of Ultraviolet Light-emitting Diodes and Solid Polymers	Peihe Tang	Tokai University	6064964		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-6	Miniaturized End-Hall Thruster	Shuka Aono	Tokai University	6065004		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-g-p-1	Thrust Performance of a Coaxial Short-pulse Laser-assisted Pulsed Plasma Thruster	Ryo Niimura	Tokai university	6065092		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-g-p-2	Coaxial Short-pulse Laser-assisted Pulsed Plasma Thruster Ion Energy Characterization	Yui Kohiga	Tokai university	6065252		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-7	Effect of Laser Energies for Short-pulse Operation of a Laser-Assisted Pulsed Plasma Thruster	Shu Imai	Tokai University	6065303		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-q-p-3	Compact unit of plasma wave receiver/Langmuir probe for Wireless Power Transmission Demonstration Satellite "OHISAMA"	Hiromune Ishii	Kyoto University	6065523		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-u-p-1	Preliminary Experiments on PIV Measurement of Flow around an Aerofoil Using a Smoke Wind Tunnel and a Smartphone-mounted Camera	Hideto Mashidori	Tokyo Metropolitan College of Industrial Technology	6065614		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-8	Characterization of a miniature low-power arcjet thruster	Shunsuke Eguchi	Tokai university	6065669		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-d-p-3	Error Covariance Based Adaptive Model Predictive Control for Satellite Formation Control	Jeongchan Kim	Chosun University	6065706		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-9	Dependence of Plasma Profile on External Magnetic Field Condition in RF Plasma Thruster with a Magnetic Cusp	Mitsuki Ito	Kobe-university	6065716		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-10	Evaluation of plasma acceleration effect in a small magnetic nozzle-type thruster using the rotating magnetic field method	Ryusho Kuwabara	Kobe University, Japan	6065728		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-r-p-2	Numerical Analysis to Evaluate the Effect of Porosity of Solid Rocket Motor Slag on Satellite Impact Damage	Fumiya Tanisawa	Hosei University	6065771		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-h-p-1	Study for development of Low-gravity Cryogenic Mass Gauging System	Dongki Kim	Korea Aerospace Research Institute (KARI)	6065797		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-b-p-11	Thrust Measurements of Miniature Microwave Discharge Plasma Thruster with Sublimation Propellants	Taiki Ishibashi	Linden Hall High School	6246807		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-m-p-1	Demonstration of the reconstruction method of MeV gamma rays from pair production events using a gas time projection chamber with μ-PIC	Taiyo Sato	Kyoto University	6253336		

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P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-c-p-6	Analysis of Blast Resistance Performance of Composite Laminated Structures	Chia-Wei Yeh	Chung Cheng Institute of Technology, National Defense University	6051761		
P	Poster Session	7/17	17:00-19:00	Arena 1 (Ground floor)	Hiroyuki Nishida	Tokyo University of Agriculture and Technology	2025-m-p-2	SMILE-3: MeV Gamma-ray balloon Observations by Electron Tracking Compton Camera	Soma Deguchi	Kyoto University	6253344		