

	Jun.3/Sat. am pm	Jun.4/Sun. am pm	Jun.5/Mon. am1 break am2 Lunch pm1 break pm2 night					Jun.6/Tus. am1 break am2 Lunch pm1 break pm2 night					Jun.7/Wed am1 break am2 Lunch pm1 break pm2 night					Jun.8/Thu. am1 break am2 Lunch pm1 break pm2 night					Jun.9/Fri. am1 break am2 Lunch pm1 break pm2 night																		
The Grand Hall 2F			開会式		World H.		SDGs						os-3																												
Kurumeza 3F			b-1					b-2	b-3		os1-1		os1-2		b-4	b-5				b-6		b-7	b-8		b-9		b-10		b-11	b-12		b-13		b-14							
C Box 4F			d-1					d-2	d-3		d-4		d-5		d-8	d-9				d-10		d-11	d-12		Design Contest (preparation)		Design Contest (preparation)		Design Contest	Design Contest		d-13		d-14							
The large Meeting Room 1 5F			a-1					a-2	a-3		d-6		d-7		a-4	a-5				a-6		a-7	a-8		a-9		a-10		a-11	a-12		a-13									
The large Meeting Room 2 5F								e-1	e-2		e-3		e-4		os2-1		os2-2				e-5		e-6	e-7		e-8		b-15	b-16		b-17		b-18								
The large Meeting Room 3 5F			f-1					f-2	f-3		f-4		f-5		f-6	f-7				f-8		f-9	f-10		r-1		r-2		r-3	r-4		r-5									
The medium Meeting Room 1 4F			q-1					q-2	q-3		q-4		q-5								g-1		g-2	g-3		g-4		g-5		m-1	m-2		m-3		m-4						
The medium Meeting Room2 4F			c-1					c-2	c-3		c-4		c-5		c-6	c-7				c-8		s-1		s-2		s-3		s-4													
The medium Meeting Room3 4F			n-1					n-2	n-3		n-4		n-5								k-1		h-1	h-2		h-3		h-4		k-6											
The small meeting room 4F-1	u-1 u-2 u-3																	i-1	i-2									k-2	k-3		k-4		k-5		j-1	j-2		j-3		j-4	
The small meeting room 4F-2																																									
Stadio 4F-2			t-1					t-2	t-3		v-1		v-2		w-1	w-2				w-3																					
The Exhibition	Exhibition 6/3-7																																								
Event, etc.			Reception										Cultural Night						New Space Night						Poster#1					Poster#2						Closing Ceremony					

slot	time	time	presentations
am1	9:00-10:40	9:00-10:40	5
am2	11:00-12:40	11:00-12:40	5
pm1	14:00-15:40	14:00-15:40	5
pm2	16:00-17:40	16:00-17:40	5

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter	
				Start	end	Start	end							
OS1-1		Kurumeza 3F	Jun.6/Tus.	14:00	15:40	14:00	14:20	Sustainable Space Transportation for the Next-Generation	Oral	—	Roadmap for Innovative Future Space Transportation Systems	JAXA	Koichi	Okita
OS1-1		Kurumeza 3F	Jun.6/Tus.	14:00	15:40	14:20	14:40	Sustainable Space Transportation for the Next-Generation	Oral	—	CALLISTO Demonstrator for Reusable Rocket Technologies	JAXA	Shinji	Ishimoto
OS1-1		Kurumeza 3F	Jun.6/Tus.	14:00	15:40	14:40	15:00	Sustainable Space Transportation for the Next-Generation	Oral	—	Hybrid Chemical Propulsion for Storable and Affordable High-thrust In-space Transportation	Letara Ltd., Founder and Co-CEO	Landon	Kamps
OS1-1		Kurumeza 3F	Jun.6/Tus.	14:00	15:40	15:00	15:20	Sustainable Space Transportation for the Next-Generation	Oral	—	Development of next generation green propellant with high energetic ionic liquids	Fukuoka University	Hiroki	Matsunaga
OS1-1		Kurumeza 3F	Jun.6/Tus.	14:00	15:40	15:20	15:40	Sustainable Space Transportation for the Next-Generation	Oral	—		Pale Blue, Co-Founder and CEO	Yuichi	Nakagawa
OS1-2		Kurumeza 3F	Jun.6/Tus.	16:00	17:40	16:00	16:20	Sustainable Space Transportation for the Next-Generation	Oral	—	Hybrid Rocket Engines Optimized by Multi- Stepped Design Approach: Experimental Investigation	ONERA, The French Aerospace Lab	Christopher	Glaser
OS1-2		Kurumeza 3F	Jun.6/Tus.	16:00	17:40	16:20	16:40	Sustainable Space Transportation for the Next-Generation	Oral	—	Parametric Optimization of Turbopump for Reusable Rocket Engine (RRE) Applications	German Aerospace Center (DLR)	Mateusz Tomasz	Gulczynski
OS1-2		Kurumeza 3F	Jun.6/Tus.	16:00	17:40	16:40	17:00	Sustainable Space Transportation for the Next-Generation	Oral	—	20N class Green Monopropellant Thruster for Propulsion System of Small Satellites	IHI Aerospace Co., LTD.	Shinji	Igarashi
OS1-2		Kurumeza 3F	Jun.6/Tus.	16:00	17:40	17:00	17:20	Sustainable Space Transportation for the Next-Generation	Oral	—	Comparison of Different Types of Water Propulsion for Near Term Application	ESA	Armin	Herbertz
OS1-2		Kurumeza 3F	Jun.6/Tus.	16:00	17:40	17:20	17:40	Sustainable Space Transportation for the Next-Generation	Oral	—	A Comparative Study of Water, Carbon Dioxide, and Adamantane as Alternative Propellants for Ion Engines	Tokyo Metropolitan College of Industrial Technology	Masakatsu	Nakano
OS2-1		The large Meeting Room 2 5F	Jun.7/Wed					A Sustainable Exploration Program for the Moon, Mars and Beyond	Oral	—				
OS2-1		The large Meeting Room 2 5F	Jun.7/Wed					A Sustainable Exploration Program for the Moon, Mars and Beyond	Oral	—				
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OS2-1		The large Meeting Room 2 5F	Jun.7/Wed					A Sustainable Exploration Program for the Moon, Mars and Beyond	Oral	—				
OS2-2		The large Meeting Room 2 5F	Jun.7/Wed					A Sustainable Exploration Program for the Moon, Mars and Beyond	Oral	—				
OS2-2		The large Meeting Room 2 5F	Jun.7/Wed					A Sustainable Exploration Program for the Moon, Mars and Beyond	Oral	—				
OS2-2		The large Meeting Room 2 5F	Jun.7/Wed					A Sustainable Exploration Program for the Moon, Mars and Beyond	Oral	—				

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter
				Start	end	Start	end						
OS2-2		The large Meeting Room 2 5F	Jun.7/Wed					A Sustainable Exploration Program for the Moon, Mars and Beyond	Oral	—			
OS2-2		The large Meeting Room 2 5F	Jun.7/Wed					A Sustainable Exploration Program for the Moon, Mars and Beyond	Oral	—			
OS-3		The Grand Hall 2F	Jun.7/Wed					Young Professional Program, Sustainable Space Development Program 2040	Oral				
OS-3		The Grand Hall 2F	Jun.7/Wed					Young Professional Program, Sustainable Space Development Program 2040	Oral				
OS-3		The Grand Hall 2F	Jun.7/Wed					Young Professional Program, Sustainable Space Development Program 2040	Oral				
OS-3		The Grand Hall 2F	Jun.7/Wed					Young Professional Program, Sustainable Space Development Program 2040	Oral				
OS-3		The Grand Hall 2F	Jun.7/Wed					Young Professional Program, Sustainable Space Development Program 2040	Oral				
S-1	Finalist Student Session1	The medium Meeting Room 2 4F	Jun.8/Thu.	9:00	10:40	9:00	9:15	Finalist Student Session	Oral	C000052	Performance Evaluation of Busemann Intake for Reusable Sounding Rocket at Transonic Speeds	The University of Shizuoka	Jumpei Tachibana
S-1	Finalist Student Session1	The medium Meeting Room 2 4F	Jun.8/Thu.	9:00	10:40	9:15	9:30	Finalist Student Session	Oral	C000074	Performance Enhancement of Microwave Discharge Cathode by External Gas Injection System	The University of Tokyo	Soichiro Tsuji
S-1	Finalist Student Session1	The medium Meeting Room 2 4F	Jun.8/Thu.	9:00	10:40	9:30	9:45	Finalist Student Session	Oral	C000108	Experimental Study on Aging Degradation of Microwave Discharge Ion Thrusters	The University of Tokyo	Shogo Uozumi
S-1	Finalist Student Session1	The medium Meeting Room 2 4F	Jun.8/Thu.	9:00	10:40	9:45	10:00	Finalist Student Session	Oral	C000250	Performance Evaluation and Modelling of Ion Extraction for Porous Electro spray Thrusters	Yokohama National University	Koki Takagi
S-1	Finalist Student Session1	The medium Meeting Room 2 4F	Jun.8/Thu.	9:00	10:40	10:00	10:15	Finalist Student Session	Oral	C000184	Experimental Estimation of Sliding Amount at Backlash Joints Based on Time-frequency Analysis of Nonlinear Vibration of Extensible Truss	Meijo University	Saori Tanaka
S-2	Finalist Student Session2	The medium Meeting Room 2 4F	Jun.8/Thu.	11:00	12:40	10:40	10:55	Finalist Student Session	Oral	C000094	In-plane deployment analysis of satellite constellation using atmospheric drag	Osaka University	Yuta Imoto
S-2	Finalist Student Session2	The medium Meeting Room 2 4F	Jun.8/Thu.	11:00	12:40	10:55	11:10	Finalist Student Session	Oral	C000415	Reseach to Archive a Lunar Sub-Recurrent Orbit	Tokyo Metropolitan University	Shota Ito
S-2	Finalist Student Session2	The medium Meeting Room 2 4F	Jun.8/Thu.	11:00	12:40	11:10	11:25	Finalist Student Session	Oral	C000031	Direct Numerical Simulation of Flowfield around Transonic Airfoil at Low Reynolds Number for Mars Exploration	The University of Tokyo	Ken Fujino
S-2	Finalist Student Session2	The medium Meeting Room 2 4F	Jun.8/Thu.	11:00	12:40	11:25	11:40	Finalist Student Session	Oral	C000220	Propeller Scale Effect on Fixed Wing within Propeller Slipstream at Low Reynolds Number	Yokohama National University	Yoshikatsu Furusawa
S-2	Finalist Student Session2	The medium Meeting Room 2 4F	Jun.8/Thu.	11:00	12:40	11:40	11:55	Finalist Student Session	Oral	C000501	An Investigatuon of multi-point Earth observation applying Variable Shape Attitude Control	Tokyo Institute of Technology	Yusaku Ozeki
S-3	Finalist Student Session3	The medium Meeting Room 2 4F	Jun.8/Thu.	14:00	15:40	14:00	14:20	Finalist Student Session	Oral	C000027	Numerical Analysis and Wind Tunnel Testing of Experimental Reusable Vehicle RV-X Aerodynamics at 90° Angle-of-Attack	Yokohama National University	Tomohiro Mamashita

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S-3	Finalist Student Session3	The medium Meeting Room 2 4F	Jun.8/Thu.	14:00	15:40	14:20	14:40	Finalist Student Session	Oral	C000367	Development of Peristaltic Transfer System to Transport Feces in Space:Proposal of Drive Method using Air Inflow into the Transfer Channel	Chuo University	Shogo Uzawa
S-3	Finalist Student Session3	The medium Meeting Room 2 4F	Jun.8/Thu.	14:00	15:40	14:40	15:00	Finalist Student Session	Oral	C000183	Preliminary Design of X-band Noise-cancelling Receiver Front-end with Radiation-Hardened 130nm SiGe BiCMOS Process for Deep Space	The University of Tokyo	Sota Kano
S-3	Finalist Student Session3	The medium Meeting Room 2 4F	Jun.8/Thu.	14:00	15:40	15:00	15:20	Finalist Student Session	Oral	C000369	Development of Postural Maintenance Training device for Anti-Gravity Muscle Training	Chuo University	Tetsuhito Fujita
S-3	Finalist Student Session3	The medium Meeting Room 2 4F	Jun.8/Thu.	14:00	15:40	15:20	15:40	Finalist Student Session	Oral	C000154	Flight Demonstration for Reentry Capsule with Thin Aeroshell Using Rubber Balloon	Hokkaido University	Hideto Takasawa
S-4	Finalist Student Session4	The medium Meeting Room 2 4F	Jun.8/Thu.	16:00	17:40	16:00	16:20	Finalist Student Session	Oral	C000357	Sea Level Rise-Induced Coastal Flooding and Its Potential Impacts in Bali Province, Indonesia	Yamaguchi University	Amandangi Wahyuning Hastuti
S-4	Finalist Student Session4	The medium Meeting Room 2 4F	Jun.8/Thu.	16:00	17:40	16:20	16:40	Finalist Student Session	Oral	C000051	Analysis of the Microwave Wireless Power Transfer Efficiency of a Furoshiki Space Solar Power Station in Geostationary Orbit	The University of Tokyo	Charleston E Macutay Ambatali
S-4	Finalist Student Session4	The medium Meeting Room 2 4F	Jun.8/Thu.	16:00	17:40	16:40	17:00	Finalist Student Session	Oral	C000192	Evaluation of PMD Strategy with Less Functional Requirements for Satellites	Tokyo Metropolitan University	Sakura Okano
S-4	Finalist Student Session4	The medium Meeting Room 2 4F	Jun.8/Thu.	16:00	17:40	17:00	17:20	Finalist Student Session	Oral	C000191	A Health Index for Satellite Power Systems Based on Periodicity and Multimodality	Tokyo Metropolitan University	Shun Katsube
S-4	Finalist Student Session4	The medium Meeting Room 2 4F	Jun.8/Thu.	16:00	17:40	17:20	17:40	Finalist Student Session	Oral	C000443	A Small Hybrid Rocket Launch Experiment in 18th Noshiro Space Event	Fukuoka University	Ryota Yamamoto
a-1	Intake and Nozzle	The large Meeting Room 1 5F	Jun.5/Mon.	16:00	17:20	16:00	16:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000355	Experimental and Numerical Investigation of the Sideslip Angle Effect on the Ramjet Intake for High Mach Integrated Control Experiment (JUNMO) Model at Mach 2	Waseda University	Yuki Kuwabara
a-1	Intake and Nozzle	The large Meeting Room 1 5F	Jun.5/Mon.	16:00	17:20	16:20	16:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000209	Experimental and Numerical Investigation of a Three-Dimensional Supersonic Inlet for the Reusable Sounding Rocket with ATRIUM Engine	Waseda University	Kazuma Matsumoto
a-1	Intake and Nozzle	The large Meeting Room 1 5F	Jun.5/Mon.	16:00	17:20	16:40	17:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000075	Research on ejector-jet engines	Chubu University	Rina Kato
a-1	Intake and Nozzle	The large Meeting Room 1 5F	Jun.5/Mon.	16:00	17:20	17:00	17:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000103	Acoustic Characteristics of Clustered Rockets Using Low-Density Gas	Gunma University.	Aoi Ozone
a-2	Combustion 1	The large Meeting Room 1 5F	Jun.6/Tus.	9:00	10:40	9:00	9:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000580	Post-flight Ground Tests of a RD1 Supersonic Combustor Model at Mach 6 Flight Condition	Japan Aerospace Exploration Agency	Masahiro Takahashi
a-2	Combustion 1	The large Meeting Room 1 5F	Jun.6/Tus.	9:00	10:40	9:20	9:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000498	Effects of Flow-path Designs on Scramjet Engine Performance under M8 Flight Condition	JAXA - Kakuda Space Center	Sadatake Tomioka
a-2	Combustion 1	The large Meeting Room 1 5F	Jun.6/Tus.	9:00	10:40	9:40	10:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000474	Koopman mode Decomposition Analysis on Combustion Instabilities in a Hydrogen-Ram Combustor under various Hydrogen Jet Momentum Ratios to Air Flow	The University of Tokyo	Koichi Omi
a-2	Combustion 1	The large Meeting Room 1 5F	Jun.6/Tus.	9:00	10:40	10:00	10:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000015	Frequency analysis of the combustion instabilities induced by a backward-facing step	ONERA	Stéphane Boulal
a-2	Combustion 1	The large Meeting Room 1 5F	Jun.6/Tus.	9:00	10:40	10:20	10:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000081	Experimental Investigation of a Small-Scale Oxygen-Hydrogen RDE	German Aerospace Center, Institute	Wolfgang Armbruster

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a-3	Combustion 2	The large Meeting Room 1 5F	Jun.6/Tus.	11:00	12:40	11:00	11:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000445	Development status of a laser-initiated ignition device	IHI Aerospace	Yoshiki Matsuura
a-3	Combustion 2	The large Meeting Room 1 5F	Jun.6/Tus.	11:00	12:40	11:20	11:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000334	Study on Accuracy Improvement of a Forced Ignition Model Focused on Micro-Rocket Torch	Osaka Metropolitan University	Shinichiro Ogawa
a-3	Combustion 2	The large Meeting Room 1 5F	Jun.6/Tus.	11:00	12:40	11:40	12:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000394	A Study on the Thermal and Pyrolysis Characteristics of Copper-Infused Electrically Conductive Polymer Igniter for Rocket Ignition	Hokkaido University	Yownin Albe Leung
a-3	Combustion 2	The large Meeting Room 1 5F	Jun.6/Tus.	11:00	12:40	12:00	12:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000413	Effect of Electric Power and Oxidizer Flow Rate on the Ignition Criteria of Electrically Conductive Fuel	Hokkaido University	Yuki Nobuhara
a-3	Combustion 2	The large Meeting Room 1 5F	Jun.6/Tus.	11:00	12:40	12:20	12:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000122	Numerical Simulations of Methane-LOx Transcritical Combustion in a Model Combustor Considering Real Gas Effects.	University of Tokyo	Eliot Alan Foss
a-4	Solid Rocket 1	The large Meeting Room 1 5F	Jun.7/Wed	9:00	10:20	9:00	9:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000437	A new attempt to measure the Al2O3 particle size distribution for solid propellants under representative conditions	ONERA	Jouke Hijlkema
a-4	Solid Rocket 1	The large Meeting Room 1 5F	Jun.7/Wed	9:00	10:20	9:20	9:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000612	Effect of magnalium on burning rate and agglomeration size of composite propellant	Saitama Institute of Technology	APOLLO B. FUKUCHI
a-4	Solid Rocket 1	The large Meeting Room 1 5F	Jun.7/Wed	9:00	10:20	9:40	10:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000365	Proposal of a Mixing Estimation Method for Solid Rocket Fuels Using Multimodal Sensing by Adding an Accelerometer to a Peristaltic Mixing Conveyor	Chuo University	Iori Terayama
a-4	Solid Rocket 1	The large Meeting Room 1 5F	Jun.7/Wed	9:00	10:20	10:00	10:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000261	Analysis of Internal Damage Process of AP/HTPB Composite Propellant by Comparison of 3D X-ray CT Images before and after Load Application	Kansai University	Akihiro Terachi
a-5	Solid Rocket 2	The large Meeting Room 1 5F	Jun.7/Wed	11:00	12:00	11:00	11:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000316	Consideration of Mechanical Properties of Solid Propellants in Low Temperature Environments for Application to Planetary Exploration	Kansai university	Hiroshi Tabata
a-5	Solid Rocket 2	The large Meeting Room 1 5F	Jun.7/Wed	11:00	12:00	11:20	11:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000110	Combustion Control with Jellied Solid Propellant	National Institute of Technology, Kit	Kai Ikoma
a-5	Solid Rocket 2	The large Meeting Room 1 5F	Jun.7/Wed	11:00	12:00	11:40	12:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000224	Effect of LiF addition on Combustion Controllable Solid Propellant Microthruster Using Laser Heating	Tokyo Metropolitan University	MIZUKI TESHIMA
a-6	Hybrid Rocket 1	The large Meeting Room 1 5F	Jun.7/Wed	16:00	17:40	16:00	16:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000095	Pressure Oscillation and Instability in Paraffin Wax Combustion of Hybrid Rocket	Konkuk university, Korea	Wonjeong Hyun
a-6	Hybrid Rocket 1	The large Meeting Room 1 5F	Jun.7/Wed	16:00	17:40	16:20	16:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000386	Experimental Investigation on the Scale Effect of Hybrid Rockets With a Low Melting Point Fuel	Fukuoka university	Naoki Yasunaga
a-6	Hybrid Rocket 1	The large Meeting Room 1 5F	Jun.7/Wed	16:00	17:40	16:40	17:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000370	Developing a Stagnation Point Combustion Chamber and Measuring the Fuel Regression Rate of Hybrid Rocket Fuel	Fukuoka University	Yo Kawabata
a-6	Hybrid Rocket 1	The large Meeting Room 1 5F	Jun.7/Wed	16:00	17:40	17:00	17:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000263	Prototyping and hot firing test results of liquid-encapsulated fuel	Saitama Institute of Technology	Hironori Shimura
a-6	Hybrid Rocket 1	The large Meeting Room 1 5F	Jun.7/Wed	16:00	17:40	17:20	17:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000127	Heat Treatment of Additively Manufactured Hybrid Rocket Fuel Grains	United States Naval Academy	Jacquelyn Gwynn

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a-7	Hybrid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	9:00	10:40	9:00	9:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000332	Evaluation of Experimental System for Combustion Test of SOFT Hybrid Rocket with Changing Oxygen Temperature	Kyushu Institute of Technology	Kohei	Matsui
a-7	Hybrid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	9:00	10:40	9:20	9:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000520	Pressure Dependence of Stabilized Combustion with Liquid Oxygen and Modelling the Flame Spread Rate	Hokkaido University	Sho	Suzuki
a-7	Hybrid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	9:00	10:40	9:40	10:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000374	The Controlling Mechanism of Transition from Regression Mode to Blow-off in Axial-Injection End-Burning Hybrid Rockets	Hokkaido University	Mai	Fukada
a-7	Hybrid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	9:00	10:40	10:00	10:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000426	A Study on Hybrid Rocket Engine with Multi-Section Swirl Injection Method and Aft Counter-Swirl Injection Method for Space Launch	Kurume Institute of Technology	Shigeru	ASO
a-7	Hybrid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	9:00	10:40	10:20	10:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000429	A Study on Hybrid Rocket Engine with Multi-Section Swirl Injection Method and Aft Counter-Swirl Injection Method under Acceleration Conditions for Space Launch	Kurume Institute of Technology	Shigeru	ASO
a-8	Hybrid Rocket 3	The large Meeting Room 1 5F	Jun.8/Thu.	11:00	12:40	11:00	11:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000412	Study on flame holding with catalyst assist in CAMUL-type hybrid rocket using 60wt% hydrogen peroxide as oxidizer	Hokkaido University	Masashi	Wakita
a-8	Hybrid Rocket 3	The large Meeting Room 1 5F	Jun.8/Thu.	11:00	12:40	11:20	11:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000377	Thrust Characteristics of Hybrid Rocket Kick Motor	Hokkaido University	Landon Thomas	Kamps
a-8	Hybrid Rocket 3	The large Meeting Room 1 5F	Jun.8/Thu.	11:00	12:40	11:40	12:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000387	Numerical and Experimental Advancements in the Development of a Regenerative Cooling System for Hybrid Rocket Applications	Hokkaido University	Giuseppe	Gallo
a-8	Hybrid Rocket 3	The large Meeting Room 1 5F	Jun.8/Thu.	11:00	12:40	12:00	12:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000562	Fundamental Study on SOFT Hybrid Rocket Engine with LT Fuel and LOX Regenerative-Cooling Nozzle	Tokyo Metropolitan University	Takashi	Sakurai
a-8	Hybrid Rocket 3	The large Meeting Room 1 5F	Jun.8/Thu.	11:00	12:40	12:20	12:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000622	Numerical and Experimental Analysis of Transient Erosion in Rocket Nozzles (タイトル及び著者一部変更)	Sapienza University of Rome	Daniele	Bianchi
a-9	Liquid Rocket 1	The large Meeting Room 1 5F	Jun.8/Thu.	14:00	15:40	14:00	14:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000056	Design and Control Challenges for the LUMEN LOX/LNG Expander-Bleed Rocket Engine	German Aerospace Center (DLR)	Kai	Dresia
a-9	Liquid Rocket 1	The large Meeting Room 1 5F	Jun.8/Thu.	14:00	15:40	14:20	14:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000126	Investigation of the Chill Down Process in the LUMEN LOX/LNG Demonstrator Engine	German Aerospace Center	Sebastian	Klein
a-9	Liquid Rocket 1	The large Meeting Room 1 5F	Jun.8/Thu.	14:00	15:40	14:40	15:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000371	Numerical simulations of the LUMEN turbine at nominal and throttling conditions	JAXA	Keita	Yamamoto
a-9	Liquid Rocket 1	The large Meeting Room 1 5F	Jun.8/Thu.	14:00	15:40	15:00	15:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000488	Validation of Performance Prediction Model at Off-Design Conditions for Partial Admission Supersonic Impulse Turbines	DLR	Robson	Hahn
a-9	Liquid Rocket 1	The large Meeting Room 1 5F	Jun.8/Thu.	14:00	15:40	15:20	15:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000147	Modeling of heat generation in cryogenic turbopump ball bearings	JAXA	Hiromitsu	Kakudo
a-10	Liquid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	16:00	18:00	16:00	16:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000538	Modeling of Shutdown Transient State for Space Propulsion System Simulation	Japan Aerospace Exploration Agency	Yu	Daimon
a-10	Liquid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	16:00	18:00	16:20	16:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000047	Development Status of Laser Ignition Systems for LOX/Methane Propulsion Systems	ArianeGroup GmbH	Sebastian	Soller

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter	
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a-10	Liquid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	16:00	18:00	16:40	17:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000252	Component-based Reduced Order Modeling of Multi-Injector Rocket Combustors	University of Kansas	Cheng	Huang
a-10	Liquid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	16:00	18:00	17:00	17:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000049	Flame Response of a Sub- and Supercritical LOX/H2 and LOX/LNG Rocket Combustor with large Optical Access	German Aerospace Center (DLR)	Jan	Martin
a-10	Liquid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	16:00	18:00	17:20	17:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000621	CFD simulation of flow in LRE rectangular cooling channels	Sapienza University of Rome	Francesco	Nasuti
a-10	Liquid Rocket 2	The large Meeting Room 1 5F	Jun.8/Thu.	16:00	18:00	17:40	18:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000623	Cooling system analysis for an upper-stage aerospike	Sapienza University of Rome	Francesco	Nasuti
a-11	Green Propellant/New Propellant 1	The large Meeting Room 1 5F	Jun.9/Fri.	9:00	10:40	9:00	9:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000503	Reactivity of Ammonium Dinitramide-Based Energetic Ionic Liquids with Metals and Metal Oxides	Department of Chemical Engineering	Hiroki	Matsunaga
a-11	Green Propellant/New Propellant 1	The large Meeting Room 1 5F	Jun.9/Fri.	9:00	10:40	9:20	9:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000422	Firing Test of Hydrogen-peroxide-added ADN-based Monopropellant Using Catalytic Thruster	Nagaoka University of Technology	Kenshin	Kawabata
a-11	Green Propellant/New Propellant 1	The large Meeting Room 1 5F	Jun.9/Fri.	9:00	10:40	9:40	10:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000328	Effect of Wettability and Temperature of Pt/TiO2 Catalyst Surface on Propellant Reactivity	National Institute of Technology, Oy	Toshiaki	Iizuka
a-11	Green Propellant/New Propellant 1	The large Meeting Room 1 5F	Jun.9/Fri.	9:00	10:40	10:00	10:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000327	Study on Life Extension of Catalysts for Microsatellite-Friendly Multi-Purpose Propulsion System	Tokyo Metropolitan University	Haruki	Sashida
a-11	Green Propellant/New Propellant 1	The large Meeting Room 1 5F	Jun.9/Fri.	9:00	10:40	10:20	10:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000293	A Study of Hybrid Micro Thruster Using Powder Fuel	Tokyo Metropolitan University	Takumi	Takizawa
a-12	Green Propellant/New Propellant 2	The large Meeting Room 1 5F	Jun.9/Fri.	11:00	12:40	11:00	11:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000237	Improvement of Flash Atomization Characteristics of HAN-based Green Propellants Using High Saturation Pressure Additive	Nagaoka University of Technology	Hisayoshi	Ito
a-12	Green Propellant/New Propellant 2	The large Meeting Room 1 5F	Jun.9/Fri.	11:00	12:40	11:20	11:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000275	Thrust chamber design for stable combustion for dimethyl ether and nitrous oxide	Tokyo Metropolitan University	Akira	Kakami
a-12	Green Propellant/New Propellant 2	The large Meeting Room 1 5F	Jun.9/Fri.	11:00	12:40	11:40	12:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000227	Investigation of Characteristic Exhaust Velocity Model for Water/Liquid Nitrogen Rocket Engines with Consideration of Vapor Pressure of Superheated Water	Tokyo City University	Ryosuke	Hosoi
a-12	Green Propellant/New Propellant 2	The large Meeting Room 1 5F	Jun.9/Fri.	11:00	12:40	12:00	12:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000319	Performance Evaluation of Green Monopropellant Thruster with In-liquid Plasma	Faculty of System Design, Tokyo M	Masazumi	Yamaguchi
a-12	Green Propellant/New Propellant 2	The large Meeting Room 1 5F	Jun.9/Fri.	11:00	12:40	12:20	12:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000277	A dual mode thruster using microwave plasma and green propellant	Tokyo Metropolitan University	Akira	Kakami
a-13		The large Meeting Room 1 5F		14:00	15:00	14:00	14:20	a) Chemical Propulsion and Air-breathing Engines	Oral	C000046	Pressure Loss of an Intake for an Air Breathing Engine Under Counter Flow Condition	Shizuoka University	Raymond	Pangestu
a-13		The large Meeting Room 1 5F		14:00	15:00	14:20	14:40	a) Chemical Propulsion and Air-breathing Engines	Oral	C000519	Lunar Orbit Mission using Spatial-resolved Fuel Regression Rate of Hybrid Thrusters	Tohoku University	Alejandro Tzuc	Padilla Torres
a-13		The large Meeting Room 1 5F		14:00	15:00	14:40	15:00	a) Chemical Propulsion and Air-breathing Engines	Oral	C000460	A Feasibility Study for a class of small satellite launcher using hybrid rocket engines	National Space Organization	Hao-Chi	Chang

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b—1	Ion Thruster	Kurumeza 3F	Jun.5/Mon.	16:00	17:20	16:00	16:20	b) Electric and Advanced Propulsion	Oral	C000182	Development status of the microwave ion thruster for JAXA's deep space mission “DESTINY	Japan Aerospace Exploration Agency	Kuniyoshi	Tabata
b—1	Ion Thruster	Kurumeza 3F	Jun.5/Mon.	16:00	17:20	16:20	16:40	b) Electric and Advanced Propulsion	Oral	C000140	Development of Microwave Discharge Ion Thruster Using High Microwave Frequency	The university of Tokyo	Takuya	Koiso
b—1	Ion Thruster	Kurumeza 3F	Jun.5/Mon.	16:00	17:20	16:40	17:00	b) Electric and Advanced Propulsion	Oral	C000137	Effect of Nozzle Contamination on Microwave Discharge Cathode Performance	Japan Aerospace Exploration Agency	Takato	Morishita
b—1	Ion Thruster	Kurumeza 3F	Jun.5/Mon.	16:00	17:20	17:00	17:20	b) Electric and Advanced Propulsion	Oral	C000533	Numerical Simulation of Ion Engine Discharge Chamber Based on 2D3V FDTD Code	Kyushu University	ZEFENG	HU
b—2	Alternative Propellant for Ion Thruster	Kurumeza 3F	Jun.6/Tus.	9:00	10:20	9:00	9:20	b) Electric and Advanced Propulsion	Oral	C000529	Alternative propellant study (krypton vs. xenon) of the μ 10 ECR Gridded Ion Engine at its Hayabusa2 and DESTINY+ Missions	Universidad Carlos III de Madrid	Scherezade	Barquero
b—2	Alternative Propellant for Ion Thruster	Kurumeza 3F	Jun.6/Tus.	9:00	10:20	9:20	9:40	b) Electric and Advanced Propulsion	Oral	C000311	Thrust performance of ion thruster with nitrogen propellant	Interdisciplinary Graduate School of Engineering Sciences, Kyushu University	Ryotaro	Matsumoto
b—2	Alternative Propellant for Ion Thruster	Kurumeza 3F	Jun.6/Tus.	9:00	10:20	9:40	10:00	b) Electric and Advanced Propulsion	Oral	C000018	400W Class, Iodine-Fueled Gridded Ion Propulsion System Development	Busek Co. Inc.	Michael	Tsay
b—2	Alternative Propellant for Ion Thruster	Kurumeza 3F	Jun.6/Tus.	9:00	10:20	10:00	10:20	b) Electric and Advanced Propulsion	Oral	C000620	Langmuir probe measurements within a water-propelled gridded ion thruster	The University of Tokyo	Ryo	Minematsu
b—3	Cathode	Kurumeza 3F	Jun.6/Tus.	11:00	12:20	11:00	11:20	b) Electric and Advanced Propulsion	Oral	C000262	The orifice diameter effect on plasma and emitter surface temperature distributions of a Lab6 hollow cathode	Ryukoku University	Yuya	Oshio
b—3	Cathode	Kurumeza 3F	Jun.6/Tus.	11:00	12:20	11:20	11:40	b) Electric and Advanced Propulsion	Oral	C000329	Orifice surface temperature measurement of LaB6 hollow cathode by a near-infrared two-color radiation thermometer	tokai university	keito	hirai
b—3	Cathode	Kurumeza 3F	Jun.6/Tus.	11:00	12:20	11:40	12:00	b) Electric and Advanced Propulsion	Oral	C000421	Effect of Hollow Cathode Discharge Condition on the LaB6 Inner Surface Contamination	JAXA	Shun	Imai
b—3	Cathode	Kurumeza 3F	Jun.6/Tus.	11:00	12:20	12:00	12:20	b) Electric and Advanced Propulsion	Oral	C000452	Diagnostics of Hollow Cathode Discharge Plasma by Spectroscopic Methods	Shizuoka University	Tsubasa	Hashizume
b—4	Hall thruster	Kurumeza 3F	Jun.7/Wed	9:00	10:20	9:00	9:20	b) Electric and Advanced Propulsion	Oral	C000579	Development and Qualification of a 6-kW-class Hall Thruster Subsystem for ETS-9	JAXA	Ikkoh	Funaki
b—4	Hall thruster	Kurumeza 3F	Jun.7/Wed	9:00	10:20	9:20	9:40	b) Electric and Advanced Propulsion	Oral	C000331	Comparison of Performance and Ion Beam Characteristics of Xenon and Krypton Mixture Discharges in 500 W-class Cylindrical Hall Thruster	Korea Advanced Institute of Science and Technology (KAIST)	Youngho	Kim
b—4	Hall thruster	Kurumeza 3F	Jun.7/Wed	9:00	10:20	9:40	10:00	b) Electric and Advanced Propulsion	Oral	C000300	Design of 1-kW Class TAL-Type Double-Channel Hall Thruster	Tokyo Metropolitan University graduate school of systems design department of aeronautics and astronautics	Taisei	Nakajima
b—4	Hall thruster	Kurumeza 3F	Jun.7/Wed	9:00	10:20	10:00	10:20	b) Electric and Advanced Propulsion	Oral	C000453	The effect of peak magnetic field position on High-Specific Impulse Hall thruster	The Graduate University for Advanced Studies	Yusuke	Sawanishi
b—5	Hall thruster	Kurumeza 3F	Jun.7/Wed	11:00	12:20	11:00	11:20	b) Electric and Advanced Propulsion	Oral	C000228	Numerical Modeling of Xenon and Krypton Mixture Discharges in Hall Thruster	KAIST	Jaehong	Park

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b—5	Hall thruster	Kurumeza 3F	Jun.7/Wed	11:00	12:20	11:20	11:40	b) Electric and Advanced Propulsion	Oral	C000234	Observation of the Plasma Perturbation inside Hall Thrusters using Numerical Simulation	Department of Interdisciplinary Engineering Sciences, Kyushu University	Aika	Koeda
b—5	Hall thruster	Kurumeza 3F	Jun.7/Wed	11:00	12:20	11:40	12:00	b) Electric and Advanced Propulsion	Oral	C000446	Θ-Z 2D3V Full-PIC Simulation to evaluate Anomalous Transport in Hall thrusters	University of Tsukuba	Masahiro	Nonaka
b—5	Hall thruster	Kurumeza 3F	Jun.7/Wed	11:00	12:20	12:00	12:20	b) Electric and Advanced Propulsion	Oral	C000391	Collision Model for Numerical Calculation of Carbon Dioxide Hall Thruster	Shizuoka University	Shu	Tokuda
b—6	Hall Thruster / Cusped Field Thruster	Kurumeza 3F	Jun.7/Wed	16:00	17:40	16:00	16:20	b) Electric and Advanced Propulsion	Oral	C000289	Hollow anode characterization for low-power miniaturized SPT Hall thruster	Horisawa-Lab, Tokai-university	SHIGERU	SATO
b—6	Hall Thruster / Cusped Field Thruster	Kurumeza 3F	Jun.7/Wed	16:00	17:40	16:20	16:40	b) Electric and Advanced Propulsion	Oral	C000570	Research and Development of Cylindrical Hall Thruster “SCHT-I” for small-satellite	Tokai University	Ryotaro	Kojima
b—6	Hall Thruster / Cusped Field Thruster	Kurumeza 3F	Jun.7/Wed	16:00	17:40	16:40	17:00	b) Electric and Advanced Propulsion	Oral	C000296	Hollow anode optimization for miniaturized low-power anode layer Hall thrusters	Tokai university	Kento	Takishima
b—6	Hall Thruster / Cusped Field Thruster	Kurumeza 3F	Jun.7/Wed	16:00	17:40	17:00	17:20	b) Electric and Advanced Propulsion	Oral	C000287	Miniaturization of Low-Power Hall Thrusters	Tokai University	Arash	Rezazadeh
b—6	Hall Thruster / Cusped Field Thruster	Kurumeza 3F	Jun.7/Wed	16:00	17:40	17:20	17:40	b) Electric and Advanced Propulsion	Oral	C000258	Multi-Objective Design Optimization of Low-Power Cusped Field Thruster	Kyushu University	Suk Hyun	Yeo
b—7	Water propellant for Hall Thruster	Kurumeza 3F	Jun.8/Thu.	9:00	10:20	9:00	9:20	b) Electric and Advanced Propulsion	Oral	C000402	Miniaturization of a Water-vapor Hall Thruster for Performance Enhancement and Cathode Coupling	The University of Tokyo	Kento	Shirasu
b—7	Water propellant for Hall Thruster	Kurumeza 3F	Jun.8/Thu.	9:00	10:20	9:20	9:40	b) Electric and Advanced Propulsion	Oral	C000055	Effect of channel diameter and width on a low-power water-vapor Hall thruster	Department of Advanced Energy, The University of Tokyo	Masayuki	Matsuura
b—7	Water propellant for Hall Thruster	Kurumeza 3F	Jun.8/Thu.	9:00	10:20	9:40	10:00	b) Electric and Advanced Propulsion	Oral	C000553	Coupling operation of a LaB6 thermionic cathode with a low-power water-vapor Hall thruster	The University of Tokyo	Daigo	Takasaki
b—7	Water propellant for Hall Thruster	Kurumeza 3F	Jun.8/Thu.	9:00	10:20	10:00	10:20	b) Electric and Advanced Propulsion	Oral	C000292	A TAL-type Hall Thruster Using Water Propellant	Department of Aeronautics & Astronautics, Tokyo Metropolitan University	Fuga	Matsuo
b—8	Water Thruster	Kurumeza 3F	Jun.8/Thu.	11:00	12:20	11:00	11:20	b) Electric and Advanced Propulsion	Oral	C000557	Development of a Test Bench for Electrolyser Performance Evaluation for Water Electrolysis Propulsion	ESA	Armin	Herbertz
b—8	Water Thruster	Kurumeza 3F	Jun.8/Thu.	11:00	12:20	11:20	11:40	b) Electric and Advanced Propulsion	Oral	C000307	Study on electrodes design for MPD thruster using water propellant	Tokyo Metropolitan University. Graduate School of System Design. Department of Aeronautics and Astronautics.	Daisuke	Komatsu
b—8	Water Thruster	Kurumeza 3F	Jun.8/Thu.	11:00	12:20	11:40	12:00	b) Electric and Advanced Propulsion	Oral	C000294	Performance Test and Estimation of Orbital Control Authority of Micro Water Resistojet Thruster for Small Satellites	Toyota Technological Institute	Kaname	Yokota
b—8	Water Thruster	Kurumeza 3F	Jun.8/Thu.	11:00	12:20	12:00	12:20	b) Electric and Advanced Propulsion	Oral	C000372	Study on high-power arcjet thruster for spacecraft using water propellants	Tokyo Metropolitan University	Kento	Yoshida
b—9	Alternative Propellant for Hall Thruster	Kurumeza 3F	Jun.8/Thu.	14:00	15:20	14:00	14:20	b) Electric and Advanced Propulsion	Oral	C000416	Research on the use of alternative propellants for small Hall thrusters.	Tokai university	Tetta	Sakamoto

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b—9	Alternative Propellant for Hall Thruster	Kurumeza 3F	Jun.8/Thu.	14:00	15:20	14:20	14:40	b) Electric and Advanced Propulsion	Oral	C000093	Performance of Anode Layer thruster RAIJIN66 with Argon Propellant based on Anode Temperature Change	The University of Tokyo	Dibyesh	Satpathy
b—9	Alternative Propellant for Hall Thruster	Kurumeza 3F	Jun.8/Thu.	14:00	15:20	14:40	15:00	b) Electric and Advanced Propulsion	Oral	C000210	Performance Evaluation of Hall Thrusters Using Carbon Dioxide as Propellant	Shizuoka University	Kota	Gunji
b—9	Alternative Propellant for Hall Thruster	Kurumeza 3F	Jun.8/Thu.	14:00	15:20	15:00	15:20	b) Electric and Advanced Propulsion	Oral	C000008	Development and Performance Enhancement of Hall Thrusters for Transportation in the Solar System – Use of Carbon Dioxide, Methane, Ammonia, Hydrogen, Helium, Air and Ice/Water etc. in the Planets and Satellites to Propellants–	Osaka Sangyo University	Takuya	Nakajima
b—10	Resistojet, Arcjet & MPD Thrusters	Kurumeza 3F	Jun.8/Thu.	16:00	17:40	16:00	16:20	b) Electric and Advanced Propulsion	Oral	C000152	Optimization of additively manufactured multi-wall electrothermal thruster	Nagoya University	Alexander Scott	Hillstrom
b—10	Resistojet, Arcjet & MPD Thrusters	Kurumeza 3F	Jun.8/Thu.	16:00	17:40	16:20	16:40	b) Electric and Advanced Propulsion	Oral	C000005	Performance Characteristics and Their Enhancement of Direct-Current Arcjet Thrusters –Use of Carbon Dioxide, Methane, Ammonia, Hydrogen, Helium, Air and Ice/Water etc. in Planets and Satellites in the Solar System to Propellants–	Osaka Sangyo University	Ryo	Ikemoto
b—10	Resistojet, Arcjet & MPD Thrusters	Kurumeza 3F	Jun.8/Thu.	16:00	17:40	16:40	17:00	b) Electric and Advanced Propulsion	Oral	C000007	Performance Characteristics and Their Enhancement of Steady-State MPD Thrusters with Permanent Magnets for Transportation in the Solar System –Use of Carbon Dioxide, Methane, Ammonia, Hydrogen, Helium, Air and Water/Ice etc. in the Planets and Satellites to Propellants–	Osaka Sangyo University	Ayano	Yoshida
b—10	Resistojet, Arcjet & MPD Thrusters	Kurumeza 3F	Jun.8/Thu.	16:00	17:40	17:00	17:20	b) Electric and Advanced Propulsion	Oral	C000441	Current balance and current densities in the plume of the AF-MPD thruster SX3	Institute of space systems, University of Stuttgart	Alexander	Behnke
b—10	Resistojet, Arcjet & MPD Thrusters	Kurumeza 3F	Jun.8/Thu.	16:00	17:40	17:20	17:40	b) Electric and Advanced Propulsion	Oral	C000125	Neutron Imaging Investigation of AM Tungsten Nozzles for an Arcjet Deorbit System	University of Stuttgart, Institute of Space Systems	Jonathan	Skalden Thruster
b—11	Electrospray Thruster	Kurumeza 3F	Jun.9/Fri.	9:00	10:40	9:00	9:20	b) Electric and Advanced Propulsion	Oral	C000070	Ionic Liquid Electrospray Thrusters with a Double-Emitter Structure for High Current Density	Yokohama National University	Shujun	Guo
b—11	Electrospray Thruster	Kurumeza 3F	Jun.9/Fri.	9:00	10:40	9:20	9:40	b) Electric and Advanced Propulsion	Oral	C000029	Improvement of Grooved Needle Emitter Performance for Ionic Liquid Electrospray Thrusters	Yokohama National University	Koki	Matsukawa
b—11	Electrospray Thruster	Kurumeza 3F	Jun.9/Fri.	9:00	10:40	9:40	10:00	b) Electric and Advanced Propulsion	Oral	C000065	Time-of-Flight Measurements of Ion Beam Compositions in Electrospray Thrusters	Yokohama National University	Momoko	Naemura
b—12	Pulsed Plasma Thruster	Kurumeza 3F	Jun.9/Fri.	11:00	12:40	11:00	11:20	b) Electric and Advanced Propulsion	Oral	C000512	Prototype evaluation of electrothermal-acceleration-type PPT applying sheet-type propellant supply mechanism and new propellant	Tokyo Metropolitan University, Graduate School of Systems Design	Shota	Mizoi
b—12	Pulsed Plasma Thruster	Kurumeza 3F	Jun.9/Fri.	11:00	12:40	11:20	11:40	b) Electric and Advanced Propulsion	Oral	C000217	Effect of Reverse Configuration of Electrode for Coaxial Pulsed Plasma Thruster	The University of Yamanashi	Masayuki	Yamada
b—12	Electrospray Thruster	Kurumeza 3F	Jun.9/Fri.	11:00	12:40	11:40	12:00	b) Electric and Advanced Propulsion	Oral	C000382	Laser-thermal Micro-thruster with a diode-laser coupled fiber-tip heat source	Tokai University	Noppamedh	Mahaddhananond
b—12	Pulsed Plasma Thruster	Kurumeza 3F	Jun.9/Fri.	11:00	12:40	12:00	12:20	b) Electric and Advanced Propulsion	Oral	C000030	Development of numerical modelling for pulse-plasma thruster operation process	I-Shou University	Chunghua Jeff	Chiang

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b-12	Electrospray Thruster	Kurumeza 3F	Jun.9/Fri.	11:00	12:40	12:20	12:40	b) Electric and Advanced Propulsion	Oral	C000284	Coaxial Short-pulse Laser-assisted Pulsed Plasma Thruster Characterization	Tokai university Horisawa lab	Prach	Ammarittakul
b-13	Micropropulsion	Kurumeza 3F	Jun.9/Fri.	14:00	15:00	14:00	14:20	b) Electric and Advanced Propulsion	Oral	C000080	Novel Thruster Measurement Apparatus Using Spin-Target Angular Displacement	United States Naval Academy	Jack Page	Brake
b-13	Pulsed Plasma Thruster	Kurumeza 3F	Jun.9/Fri.	14:00	15:00	14:00	14:20	b) Electric and Advanced Propulsion	Oral	C000239	Development and Operation Demonstration of Pulsed Plasma Thruster for 2U-CubeSAT	National Institute of Technology, Akashi College	Yoshihiro	Kajimura
b-13	Micropropulsion	Kurumeza 3F	Jun.9/Fri.	14:00	15:00	14:20	14:40	b) Electric and Advanced Propulsion	Oral	C000303	A study for automated tuning system development of a thrust stand for miniature thrusters	Setsunan University	Yasuhisa	Oda
b-13	Pulsed Plasma Thruster	Kurumeza 3F	Jun.9/Fri.	14:00	15:00	14:40	15:00	b) Electric and Advanced Propulsion	Oral	C000006	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 (2.1x1.5x1.5m) CubeSat	Osaka Sangyo University	Takuma	Unegawa
b-14	Air-breathing Engine	Kurumeza 3F	Jun.9/Fri.	16:00	17:40	16:00	16:20	b) Electric and Advanced Propulsion	Oral	C000180	Performance Characterization of an Atmosphere-Breathing RF Helicon Plasma Thruster	University of Stuttgart, Institute of Space Systems	Jonathan	Skalden
b-14	Air-breathing Engine	Kurumeza 3F	Jun.9/Fri.	16:00	17:40	16:20	16:40	b) Electric and Advanced Propulsion	Oral	C000160	Fundamental Study about Air-breathing Pulse Magnetoplasmadynamic Thruster	Osaka Metropolitan University	Yuteng	Hu
b-14	Air-breathing Engine	Kurumeza 3F	Jun.9/Fri.	16:00	17:40	16:40	17:00	b) Electric and Advanced Propulsion	Oral	C000173	High Compression Intake System for Air Breathing Ion Engine using Anisotropic Molecular Scattering Property of Intake Surfaces	Kobe Univ.	Koki	Sugimoto
b-14	Air-breathing Engine	Kurumeza 3F	Jun.9/Fri.	16:00	17:40	17:00	17:20	b) Electric and Advanced Propulsion	Oral	C000175	Performance Evaluation of an Air-breathing Ion Engine with the Microwave Discharge Ion Engine μ 10 Shaped Ion Source.	The Graduate University for Advanced Studies, SOKENDAI	Yukai	Miya
b-14	Air-breathing Engine	Kurumeza 3F	Jun.9/Fri.	16:00	17:40	17:20	17:40	b) Electric and Advanced Propulsion	Oral	C000194	A High Compression Intake System for Air Breathing Ion Engine	Kobe university	Koki	Murata
b-15	Magnetic Nozzle	The large Meeting Room 2 5F	Jun.9/Fri.	9:00	10:20	9:00	9:20	b) Electric and Advanced Propulsion	Oral	C000378	Numerical Simulation of Plasma Expansion in RF Plasma Thruster with Magnetic Cusp	Tokyo University of Agriculture and Technology	Xiang	Ma
b-15	Magnetic Nozzle	The large Meeting Room 2 5F	Jun.9/Fri.	9:00	10:20	9:20	9:40	b) Electric and Advanced Propulsion	Oral	C000523	Advancements in VLEO Satellite Platform Design Utilizing an RF Helicon-based Plasma Thruster	University of Stuttgart, Institute of Space Systems	Jonathan	Skalden
b-15	Magnetic Nozzle	The large Meeting Room 2 5F	Jun.9/Fri.	9:00	10:20	9:40	10:00	b) Electric and Advanced Propulsion	Oral	C000537	Determining the performance of a magnetic thrust chamber system using laser-ablation plasma	Interdisciplinary Graduate school of Engineering Sciences, Kyushu University	Kento	Koba
b-15	Magnetic Nozzle	The large Meeting Room 2 5F	Jun.9/Fri.	9:00	10:20	10:00	10:20	b) Electric and Advanced Propulsion	Oral	C000542	Relation between the electric field fluctuation and electron detachment in A Magnetic Thrust Chamber for Laser Fusion Rockets	Interdisciplinary Graduate School of Engineering Sciences, Kyushu University	Naoki	Katsura
b-16	Beaming Propulsion	The large Meeting Room 2 5F	Jun.9/Fri.	11:00	12:40	11:00	11:20	b) Electric and Advanced Propulsion	Oral	C000336	Ion Current Distribution in Pulsed Laser Ablation Plume	Nagoya University, Department of Aerospace Engineering	Atsushi	Isomura
b-16	Beaming Propulsion	The large Meeting Room 2 5F	Jun.9/Fri.	11:00	12:40	11:20	11:40	b) Electric and Advanced Propulsion	Oral	C000337	Impulse Angle Variation in Pulsed Laser Ablation with Oblique Incidence	Department of aerospace engineering, Nagoya University	Gakuto	Sekine

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter
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b—16	Beaming Propulsion	The large Meeting Room 2 5F	Jun.9/Fri.	11:00	12:40	11:40	12:00	b) Electric and Advanced Propulsion	Oral	C000167	The Influence of Environmental Pressure on Microsecond Laser Propulsion with Metals	Saint Cloud State University	John E. Sinko
b—16	Beaming Propulsion	The large Meeting Room 2 5F	Jun.9/Fri.	11:00	12:40	12:00	12:20	b) Electric and Advanced Propulsion	Oral	C000172	Microsecond Laser Propulsion with Elemental Metals under Vacuum Conditions	Saint Cloud State University	John E. Sinko
b—16	Beaming Propulsion	The large Meeting Room 2 5F	Jun.9/Fri.	11:00	12:40	12:20	12:40	b) Electric and Advanced Propulsion	Oral	C000404	Effect of Reed Valve’s Length on the Thrust Performance of Microwave Rocket in Multi-Cycle Operation	The University of Tokyo	Ayuto Manabe
b—17	Beaming Propulsion	The large Meeting Room 2 5F	Jun.9/Fri.	14:00	15:40	14:00	14:20	b) Electric and Advanced Propulsion	Oral	C000036	Laser-Supported Detonation Wave Induced in a Laser Beam with a Multi-peaked Profile	University of Tokyo	Kyohei Kato
b—17	Beaming Propulsion	The large Meeting Room 2 5F	Jun.9/Fri.	14:00	15:40	14:20	14:40	b) Electric and Advanced Propulsion	Oral	C000203	Performance Evaluation of Diode Laser Sustained Plasma Thruster using Argon	Shizuoka University	Seiichiro Takano
b—17	Beaming Propulsion	The large Meeting Room 2 5F	Jun.9/Fri.	14:00	15:40	14:40	15:00	b) Electric and Advanced Propulsion	Oral	C000295	Construction of the Calculation Model to Clarify the Energy Ratio in the Entire Area of an LSD Wave.	Department of Advanced Energy, Graduate School of Frontier Sciences, The University of Tokyo	Ten Arai
b—17	Beaming Propulsion	The large Meeting Room 2 5F	Jun.9/Fri.	14:00	15:40	15:00	15:20	b) Electric and Advanced Propulsion	Oral	C000510	Preliminary Laser Thomson Scattering Measurement around Laser Supported Detonation Front	Tottori University	Hiroshi Katsurayama
b—17	Beaming Propulsion	The large Meeting Room 2 5F	Jun.9/Fri.	14:00	15:40	15:20	15:40	b) Electric and Advanced Propulsion	Oral	C000389	Temperature and Fractional Absorption Measurement of Fiber Laser-Sustained Plasma using Argon	Shizuoka University	Yamato Homme
b—18	Plume Interaction	The large Meeting Room 2 5F	Jun.9/Fri.	16:00	17:40	16:00	16:20	b) Electric and Advanced Propulsion	Oral	C000486	Evaluation of the impact of the thruster plume on the regolith dispersal trajectory generated during spacecraft landing	SOKENDAI	Maiko Yamakawa
b—18	Plume Interaction	The large Meeting Room 2 5F	Jun.9/Fri.	16:00	17:40	16:20	16:40	b) Electric and Advanced Propulsion	Oral	C000230	Numerical Investigation of Facility Effect on Performance Measurements of Low-Reynolds-Number Nozzles	University of Illinois at Urbana-Champaign	Keita Nishii
b—18	Plume Interaction	The large Meeting Room 2 5F	Jun.9/Fri.	16:00	17:40	16:40	17:00	b) Electric and Advanced Propulsion	Oral	C000459	Experimental Evaluation of Ion Energy Distribution Functions for Backflow Ions in 10 cm-class Microwave Discharge Ion Thruster Operation	Chukyo University	Takanobu Muranaka
b—18	Plume Interaction	The large Meeting Room 2 5F	Jun.9/Fri.	16:00	17:40	17:00	17:20	b) Electric and Advanced Propulsion	Oral	C000269	Numerical investigation of ion back flow of a microwave discharge ion thruster	The University of Tokyo	Ayumu Nono
b—18	Plume Interaction	The large Meeting Room 2 5F	Jun.9/Fri.	16:00	17:40	17:20	17:40	b) Electric and Advanced Propulsion	Oral	C000223	Backflow Xenon Ions Measurement by Laser-induced Fluorescence Spectroscopy in the Plume of a Microwave Discharge Ion Thruster	the university of Tokyo	Ryota Shirasawa
c—1	Composite materials	The medium Meeting Room 2 4F	Jun.5/Mon.	16:00	17:40	16:00	16:20	c)Materials and Structures	Oral	C000062	The evaluation of mechanical properties of composite laminates based on sheet-winding compression-molding(SWCM)	The University of Tokyo	YU ZHOU
c—1	Composite materials	The medium Meeting Room 2 4F	Jun.5/Mon.	16:00	17:40	16:20	16:40	c)Materials and Structures	Oral	C000106	Defects Detection in CFRP Composites with non-contact Lamb Waves Propagation	The University of Tokyo	Lea Anne Clemence Lecointre
c—1	Composite materials	The medium Meeting Room 2 4F	Jun.5/Mon.	16:00	17:40	16:40	17:00	c)Materials and Structures	Oral	C000233	Effect of interfacial chemical bonding on mechanical properties of carbon nanotubes/epoxy nanocomposites	Kogakuin University	Tomoe Yayama
c—1	Composite materials	The medium Meeting Room 2 4F	Jun.5/Mon.	16:00	17:40	17:00	17:20	c)Materials and Structures	Oral	C000174	Research on Siloxane-Block-Polyimide Film for space application	Japan Aerospace Exploration Agency	Yugo Kimoto

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C-1	Composite materials	The medium Meeting Room 2 4F	Jun.5/Mon.	16:00	17:40	17:20	17:40	c)Materials and Structures	Oral	C000297	Analyzing and Comparing SRS Waveform Properties using Different Materials	Kyushu Institute of Technology	Ei Phyu Phyu
C-2	Materials characterization	The medium Meeting Room 2 4F	Jun.6/Tus.	9:00	10:40	9:00	9:20	c)Materials and Structures	Oral	C000201	Ground-based simulation experiment on degradation of spacecraft polymeric materials in VLEO	Kobe University	Santa Nishioka
C-2	Materials characterization	The medium Meeting Room 2 4F	Jun.6/Tus.	9:00	10:40	9:20	9:40	c)Materials and Structures	Oral	C000219	Ground-based experiment for simultaneous N2 collision effects on atomic oxygen-induced polyimide erosion in very low Earth orbit.	Kobe University	Kaichi Nakayama
C-2	Materials characterization	The medium Meeting Room 2 4F	Jun.6/Tus.	9:00	10:40	9:40	10:00	c)Materials and Structures	Oral	C000309	Evaluation of Space Debris Impact on AO-resistant Polyimide for MLI	Japan Aerospace Exploration Agency	Yuko Kubo
C-2	Materials characterization	The medium Meeting Room 2 4F	Jun.6/Tus.	9:00	10:40	10:00	10:20	c)Materials and Structures	Oral	C000330	Evaluation of the structural shielding/shadowing effect of atomic oxygen from SLATS flight data	Kobe University	Koki Yao
C-2	Materials characterization	The medium Meeting Room 2 4F	Jun.6/Tus.	9:00	10:40	10:20	10:40	c)Materials and Structures	Oral	C000129	Radiation Heating Test of Porous MgAl2O4 Ceramics with Low Emissivity as Inner Thermal Insulator for Stand-off Thermal Protection System using an Arc-heated Wind Tunnel	Coorstek KK	Shuko Akamine
C-3	Smart materials and structures	The medium Meeting Room 2 4F	Jun.6/Tus.	11:00	12:40	11:00	11:20	c)Materials and Structures	Oral	C000462	Resilient Operation Scheduling of Smart Antenna System Considering Uncertainties and Safety Conditions through STPA	Osaka Metropolitan University	Nozomu Kogiso
C-3	Smart materials and structures	The medium Meeting Room 2 4F	Jun.6/Tus.	11:00	12:40	11:20	11:40	c)Materials and Structures	Oral	C000485	Evaluation of Deployed Shape of Two-layer Space Membrane Array Antenna	Tokyo Institute of Technology	Kazuki Nagai
C-3	Smart materials and structures	The medium Meeting Room 2 4F	Jun.6/Tus.	11:00	12:40	11:40	12:00	c)Materials and Structures	Oral	C000077	Piezoelectric Semi-Active Structural Identification Method to Realize Energy-Saving On-Orbit Identification	Tohoku University	Yushin HARA
C-3	Smart materials and structures	The medium Meeting Room 2 4F	Jun.6/Tus.	11:00	12:40	12:00	12:20	c)Materials and Structures	Oral	C000168	Stewart Platform with Low Thermal Expansion and Low Thermal Conduction Elastic Hinges for Precise Pointing Control	Waseda University	Ryosuke Mochida
C-3	Smart materials and structures	The medium Meeting Room 2 4F	Jun.6/Tus.	11:00	12:40	12:20	12:40	c)Materials and Structures	Oral	C000354	Phase-Delay Switching Strategy for Piezoelectric Vibration Energy Harvesting	Tohoku University	Meng Zhou
C-4	Deployable structures and structural concept	The medium Meeting Room 2 4F	Jun.6/Tus.	14:00	15:40	14:00	14:20	c)Materials and Structures	Oral	C000156	Study on deformable space structure system consisting of lattice structures	National Defense Academy of Japan	Hiroaki Tanaka
C-4	Deployable structures and structural concept	The medium Meeting Room 2 4F	Jun.6/Tus.	14:00	15:40	14:20	14:40	c)Materials and Structures	Oral	C000461	Evaluation of Folding-Pattern Designs for Large-Scale Square Solar Sail	Kyushu Institute of Technology	Leticia Santos Lula Barros
C-4	Deployable structures and structural concept	The medium Meeting Room 2 4F	Jun.6/Tus.	14:00	15:40	14:40	15:00	c)Materials and Structures	Oral	C000019	Antenna Structural Concept Composed of Scissors Member Connected with Convex Tapes	Tokyo City University	Ryota Tsuchiya
C-4	Deployable structures and structural concept	The medium Meeting Room 2 4F	Jun.6/Tus.	14:00	15:40	15:00	15:20	c)Materials and Structures	Oral	C000066	Thermal - structural analysis of stand-off thermal protection system made of CMC panel and pyramidal lattice truss structures	Tokyo University of Agriculture and Technology	Yasuko Sudo
C-4	Deployable structures and structural concept	The medium Meeting Room 2 4F	Jun.6/Tus.	14:00	15:40	15:20	15:40	c)Materials and Structures	Oral	C000105	Wrap-rib Antenna Deployment Analysis	i-QPS	Tetsuo Yasaka
C-5	Structural analysis	The medium Meeting Room 2 4F	Jun.6/Tus.	16:00	17:40	16:00	16:20	c)Materials and Structures	Oral	C000120	Dominant Geometrical Factor in Non-Equatorial Space Elevator Dynamics	Tohoku University	Ryo Kuzuno

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c—5	Structural analysis	The medium Meeting Room 2 4F	Jun.6/Tus.	16:00	17:40	16:20	16:40	c)Materials and Structures	Oral	C000308	Pillow Deformation of Cable-mesh Surface Antenna	Tokyo City University	Nobuya	Toyoda
c—5	Structural analysis	The medium Meeting Room 2 4F	Jun.6/Tus.	16:00	17:40	16:40	17:00	c)Materials and Structures	Oral	C000350	Design Of Solar Paddle With Improved Power Generation Using Multiple Reflections	Tokyo City University	Daiki	Watanabe
c—5	Structural analysis	The medium Meeting Room 2 4F	Jun.6/Tus.	16:00	17:40	17:00	17:20	c)Materials and Structures	Oral	C000467	A Study on Tension Monitoring of Cable-Beam Structure by Using a Sequential Data Assimilation Technique	Chiba Institute of Technology	Takeshi	Akita
c—6	Strucrtual dynamics and control	The medium Meeting Room 2 4F	Jun.7/Wed	9:00	10:40	9:00	9:20	c)Materials and Structures	Oral	C000011	Vibration Damping by Wire Harnesses on Flexible Structures	Japan Aerospace Exploration Agency	Hideki	Uchida
c—6	Strucrtual dynamics and control	The medium Meeting Room 2 4F	Jun.7/Wed	9:00	10:40	9:20	9:40	c)Materials and Structures	Oral	C000021	Spin Deployment Prediction of Large Membrane Structure by Ground Test with Small Model Based on Scaling Law	The Graduate University for Advanced Studies	Asuka	Tatara
c—6	Strucrtual dynamics and control	The medium Meeting Room 2 4F	Jun.7/Wed	9:00	10:40	9:40	10:00	c)Materials and Structures	Oral	C000088	System Identification of Space Structures Subjected to Unknown Disturbances Using Piezoelectric Device	Tohoku University	Tianyi	Tang
c—7	Structures of Spacecrafts and Space Vehicles (1)	The medium Meeting Room 2 4F	Jun.7/Wed	11:00	12:40	11:00	11:20	c)Materials and Structures	Oral	C000161	Design and test of the paddle deployment mechanism for 3UCubeSat	Kyushu Institute of Technology	Konosuke	Nishinaga
c—7	Structures of Spacecrafts and Space Vehicles (1)	The medium Meeting Room 2 4F	Jun.7/Wed	11:00	12:40	11:20	11:40	c)Materials and Structures	Oral	C000186	Research on Mitigating Mechanical Environment by Satellite Structures Itself	Tokyo Metropolitan university	Kentaro	Shirai
c—7	Structures of Spacecrafts and Space Vehicles (1)	The medium Meeting Room 2 4F	Jun.7/Wed	11:00	12:40	11:40	12:00	c)Materials and Structures	Oral	C000524	Improvement of Beam Scanning Accuracy by Shape Estimation of Space Deployable Array-Antennas	Tokyo Institute of Technology	Sora	Kanamaru
c—7	Structures of Spacecrafts and Space Vehicles (1)	The medium Meeting Room 2 4F	Jun.7/Wed	11:00	12:40	12:00	12:20	c)Materials and Structures	Oral	C000613	Membrane Fixing Method for Realizing Large and Lightweight High-precision Structure	The Graduate University for Advanced Studies, SOKENDAI	Ryohei	Orii
c—8	Structures of Spacecrafts and Space Vehicles (2)	The medium Meeting Room 2 4F	Jun.7/Wed	16:00	17:40	16:00	16:20	c)Materials and Structures	Oral	C000384	Effect on Atomic Oxygen-Induced Surface Erosion of Polyimide on Atmospheric Drag of Satellite in Very Low Earth Orbit	Kobe university	Yusaku	Ashida
c—8	Structures of Spacecrafts and Space Vehicles (2)	The medium Meeting Room 2 4F	Jun.7/Wed	16:00	17:40	16:20	16:40	c)Materials and Structures	Oral	C000385	Atomic oxygen density variation in VLEO region: SLATS/AOFS flight data analysis	Kobe University	Towa	Ushijima
c—8	Structures of Spacecrafts and Space Vehicles (2)	The medium Meeting Room 2 4F	Jun.7/Wed	16:00	17:40	16:40	17:00	c)Materials and Structures	Oral	C000178	Development of the Fairing Structure for CALLISTO	Institute of Structures and Design, German Aerospace Center	Silas	Eichel
c—8	Structures of Spacecrafts and Space Vehicles (2)	The medium Meeting Room 2 4F	Jun.7/Wed	16:00	17:40	17:00	17:20	c)Materials and Structures	Oral	C000212	Development of the Landing Leg Structure for CALLISTO	German Aerospace Center (DLR)	Felix	Frederic Krziwanie
d—1	Attitude determination	C Box 4F	Jun.5/Mon.	16:00	17:40	16:00	16:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000124	Research on Improvement of Orbit Determination Accuracy by Satellite-to-Satellite Tracking in Inter-Satellite Radio Occultation Observation Mission	Department of Aeronautics and Astronautics, The University of Tokyo	Masaki	Tsutsui
d—1	Attitude determination	C Box 4F	Jun.5/Mon.	16:00	17:40	16:20	16:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000241	Quasi-Autonomous Orbit Determination Model by Optical Camera in Cislunar Space	The University of Tokyo	Kazuki	Takashima
d—1	Attitude determination	C Box 4F	Jun.5/Mon.	16:00	17:40	16:40	17:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000470	Orbit Determination using INS Observables for CubeSat Mission	ISAS/JAXA	Hiroshi	Takeuchi

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d-1	Attitude determination	C Box 4F	Jun.5/Mon.	16:00	17:40	17:00	17:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000543	Optimization of Orbit Determination Period and Orbit Correction Timing	Fujitsu Limited	Sho Tniguchi
d-2	Attitude control 1	C Box 4F	Jun.6/Tus.	9:00	10:40	9:00	9:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000560	Perturbation Analysis of Distant Moons for Multiple Gravity Assists Trajectory Design	The Graduate University for Advanced Studies, SOKENDAI	Daichi Ito
d-2	Attitude control 1	C Box 4F	Jun.6/Tus.	9:00	10:40	9:20	9:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000266	Quasi-periodic Orbits near Earth-Moon L1 in the Hill Restricted Four-body Problem	University of Colorado Boulder	Damennick Bolte Henry
d-2	Attitude control 1	C Box 4F	Jun.6/Tus.	9:00	10:40	9:40	10:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000482	Analysis of Approach Conditions to Capture by the Moon	The University of Tokyo	Takayuki Shihara
d-2	Attitude control 1	C Box 4F	Jun.6/Tus.	9:00	10:40	10:00	10:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000112	New Equilibria in Quadratic Optimal Control Systems	Kyushu University	Ayano Tsuruta
d-2	Attitude control 1	C Box 4F	Jun.6/Tus.	9:00	10:40	10:20	10:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000257	Hamiltonian Structure-Preserving Stabilization of Spacecraft in Spatial Periodic Orbits	University of Nottingham	Nishanth Pushparaj
d-3	Attitude control 2	C Box 4F	Jun.6/Tus.	11:00	12:40	11:00	11:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000304	A model predictive control of small spacecraft maneuver for autonomous docking	Osaka Institute of Technology	Katsuyoshi Tsujita
d-3	Attitude control 2	C Box 4F	Jun.6/Tus.	11:00	12:40	11:20	11:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000090	Requirement Optimization of Proximity Operations for Active Debris Removal Missions Considering Both GNC and Capture System Constraints	JAXA	Takahiro Sasaki
d-3	Attitude control 2	C Box 4F	Jun.6/Tus.	11:00	12:40	11:40	12:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000468	Exploring task relaxations for collision avoidance of space robots	Tokyo Metropolitan University	Sajjad Keshtkar
d-3	Attitude control 2	C Box 4F	Jun.6/Tus.	11:00	12:40	12:00	12:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000438	Design of Image-only Navigation Strategy for Deep Space Rendezvous and Docking	The University of Tokyo	Sho Nishimura
d-3	Attitude control 2	C Box 4F	Jun.6/Tus.	11:00	12:40	12:20	12:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000044	Target Marker Deployment Strategies for Hayabusa2 Extended Mission to the Fast-rotating Asteroid 1998 KY26	University of Colorado Boulder	Anivid Pedros-Faura
d-4	Attitude Dynamics	C Box 4F	Jun.6/Tus.	14:00	15:20	14:00	14:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000069	Formation Trajectory Tracking Control of Port-Hamiltonian Systems with Gain Scheduling on the Tracking Error	Osaka University	Toshinori Yabe
d-4	Attitude Dynamics	C Box 4F	Jun.6/Tus.	14:00	15:20	14:20	14:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000073	Formation Tracking Control Based on Generalized Canonical Transformation with Adaptive Mechanism for Atmospheric Drag	Osaka University	Yuki Hamanaka
d-4	Attitude Dynamics	C Box 4F	Jun.6/Tus.	14:00	15:20	14:40	15:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000451	A Concept Study of Small Satellite Formation Flight Using Variable Shape Function	Tokyo Institute of Technology	Keito Otsubo
d-4	Attitude Dynamics	C Box 4F	Jun.6/Tus.	14:00	15:20	15:00	15:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000170	Distributed Control for Satellite Constellation Separation with Differential Drag	Mitsubishi Electric Corporation, Advanced Technology R&D Center	Takeya Shima
d-5	Orbit Determination	C Box 4F	Jun.6/Tus.	16:00	17:40	16:00	16:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000130	Multi-Objective Design Optimization of Lunar Landing Using Neural ODE	Kyushu University	Takaaki Matsuura
d-5	Orbit Determination	C Box 4F	Jun.6/Tus.	16:00	17:40	16:20	16:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000312	Guidance, Navigation, and Control for Landing on an Asteroid using Deployable Target Markers	The University of Tokyo	Tetsuya Kusumoto

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d-5	Orbit Determination	C Box 4F	Jun.6/Tus.	16:00	17:40	16:40	17:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000254	Landing Point Prediction Under Parachute Deployment Uncertainties for Mars EDL Mission	College of Aerospace Science and Engineering, National University of Defense Technology	Mengying Zhang
d-5	Orbit Determination	C Box 4F	Jun.6/Tus.	16:00	17:40	17:00	17:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000243	Parachute Deployment Fault Identification based on MobileViT and Edge Detection for Space Recovery Systems	College of Aerospace Science and Engineering, National University of Defense Technology	Mengying Zhang
d-6	Orbital Dynamics 1	The large Meeting Room 1 5F	Jun.6/Tus.	14:00	15:40	14:00	14:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000564	Performance Evaluation of the MASCOT Orientation Temperature Sensors	JAXA	Ralf Christian Boden
d-6	Orbital Dynamics 1	The large Meeting Room 1 5F	Jun.6/Tus.	14:00	15:40	14:20	14:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000298	Estimation of Atmospheric Density in Low Earth Orbit using Satellite with Variable Shape Mechanisms	Tokyo Institute of Technology	Kiyona Miyamoto
d-6	Orbital Dynamics 1	The large Meeting Room 1 5F	Jun.6/Tus.	14:00	15:40	14:40	15:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000489	EQUULEUS' In-Space Least Squares Thrust Vector Estimation with Non-linear Observation Model	The University of Tokyo	Vinicius Ferreira Nery
d-6	Orbital Dynamics 1	The large Meeting Room 1 5F	Jun.6/Tus.	14:00	15:40	15:00	15:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000232	Systems engineering design and verification of CROSS, a star tracker for nanosatellite platforms.	University of Sydney	Julian Guinane
d-6	Orbital Dynamics 1	The large Meeting Room 1 5F	Jun.6/Tus.	14:00	15:40	15:20	15:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000151	An Echo State Neural Network Based Moving Mass System to Improve Reaction Null Task Space of Free-Floating Space Manipulators	University of Sydney	Zhicheng Xie
d-7	Orbital Dynamics 2	The large Meeting Room 1 5F	Jun.6/Tus.	16:00	17:40	16:00	16:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000439	Optimization of Structural Configurations of Spacecraft for Efficient Attitude Change Utilizing Non-holonomic Features	Kyushu University	Saki Takeuchi
d-7	Orbital Dynamics 2	The large Meeting Room 1 5F	Jun.6/Tus.	16:00	17:40	16:20	16:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000034	Optimal Tether Deployment and Ejection Direction Control of Tether-Net via Attitude Control of Tethered Subsatellite for Debris Capture	Tokyo Metropolitan University	Haruma Suzuki
d-7	Orbital Dynamics 2	The large Meeting Room 1 5F	Jun.6/Tus.	16:00	17:40	16:40	17:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000500	Influence of Sail Deformation on Attitude Motion and Controllability of Solar Sail with Single-Axis Gimbal Mechanism	Tokyo Institute of Technology	Toshihiro Chujo
d-7	Orbital Dynamics 2	The large Meeting Room 1 5F	Jun.6/Tus.	16:00	17:40	17:00	17:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000495	Control of External Directional Exposures of Various Surface Locations on the Tumbling Spacecraft using Inertial Morphing	School of Engineering, RMIT University, Australia	Pavel M Trivailo
d-7	Orbital Dynamics 2	The large Meeting Room 1 5F	Jun.6/Tus.	16:00	17:40	17:20	17:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000204	Design of the Attitude Acrobatic Manoeuvres by the Autonomous Spacecraft Possessing Inertial Morphing (IM) Capabilities	School of Engineering, RMIT University, Australia	Pavel M Trivailo
d-8	Orbital Rendezvous & Proximity Operations	C Box 4F	Jun.7/Wed	9:00	10:40	9:00	9:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000418	Attitude Control and Morphology Evolution of Flapping Spacecraft via Deep Reinforcement Learning	Waseda University	Kazutoshi Ito
d-8	Orbital Rendezvous & Proximity Operations	C Box 4F	Jun.7/Wed	9:00	10:40	9:20	9:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000476	Semi-Optimal Control Law and Experiment for Agile Maneuver of Small Satellites with VSCMGs	Graduate School of Engineering Science, Yokohama National University	So Kaieda
d-8	Orbital Rendezvous & Proximity Operations	C Box 4F	Jun.7/Wed	9:00	10:40	9:40	10:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000068	Design and Stability Analysis of Attitude Tracking Control System for Spacecraft Considering Stochastic Disturbances	Osaka University	Mio Miyazawa
d-8	Orbital Rendezvous & Proximity Operations	C Box 4F	Jun.7/Wed	9:00	10:40	10:00	10:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000362	Discrete-Time Attitude Control for Spacecraft Using Iterative Learning	Kyushu University	Yuta Hayashi

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d-8	Orbital Rendezvous & Proximity Operations	C Box 4F	Jun.7/Wed	9:00	10:40	10:20	10:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000053	Underactuated Steering Control Law for Spacecraft Attitude Control using Two Skewed Control Moment Gyroscopes under Path Constraint	Tokyo Metropolitan University	Hirohisa	Kojima
d-9	Formation Flying & Satellite Constellations	C Box 4F	Jun.7/Wed	11:00	12:40	11:00	11:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000504	Sliding-Mode Attitude Control for Redundant System with Input Constraints Using Linear Programming	Tokyo University of Science	Takahiro	Fujikawa
d-9	Formation Flying & Satellite Constellations	C Box 4F	Jun.7/Wed	11:00	12:40	11:20	11:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000472	Adaptive sliding mode control (ASMC) for space manipulator to minimize the base disturbances	The University of Sydney/ King Abdulaziz City for Science and Technology	Saad Farraj	Alshammari
d-9	Formation Flying & Satellite Constellations	C Box 4F	Jun.7/Wed	11:00	12:40	11:40	12:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000497	Research on minimum time attitude control of spacecraft with flexible structures	Osaka Metropolitan University	Takayuki	Sakai
d-9	Formation Flying & Satellite Constellations	C Box 4F	Jun.7/Wed	11:00	12:40	12:00	12:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000411	Attitude Control of Spacecraft with Membrane using Interplanetary Magnetic Field with Consideration of Vibration	Nagoya University	Truong An	Hoang Xuan
d-9	Formation Flying & Satellite Constellations	C Box 4F	Jun.7/Wed	11:00	12:40	12:20	12:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000379	Sustaining LEO Satellite Missions with the Use of Magnetorquers	Institute for Q-shu Pioneer of Space, Inc. (iQPS)	Dmytro	Faizullin
d-10	Trajectory Design and Optimization 1	C Box 4F	Jun.7/Wed	16:00	17:20	16:00	16:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000450	Designing Swing-by Trajectories on B-plane with Application to Ride-sharing CubeSat	The University of Tokyo	Takuya	Chikazawa
d-10	Trajectory Design and Optimization 1	C Box 4F	Jun.7/Wed	16:00	17:20	16:20	16:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000364	Comparative Study on Trajectory Optimization for Solar Sail Mercury Mission	Kyushu Institute of Technology	Mehmet	Esit
d-10	Trajectory Design and Optimization 1	C Box 4F	Jun.7/Wed	16:00	17:20	16:40	17:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000550	Off-Nominal Trajectory Design of Earth-NRHO Transfer Orbit for Logistics Resupply Mission to Gateway	Japan Aerospace Exploration Agency (JAXA)	Junji	Kikuchi
d-10	Trajectory Design and Optimization 1	C Box 4F	Jun.7/Wed	16:00	17:20	17:00	17:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000063	Orbital Configuration Control for Space-based Gravitational Wave Observatory in the Three-body Problem	Kyushu University, Japan; Northwestern Polytechnical University, China;	Zhengxu	Pan
d-11	Trajectory Design and Optimization 2	C Box 4F	Jun.8/Thu.	9:00	10:40	9:00	9:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000214	Applications of the Regularized Direct Method for Nonlinear Trajectory Optimization	Hiroshima Institute of Techonology	Kenta	Oshima
d-11	Trajectory Design and Optimization 2	C Box 4F	Jun.8/Thu.	9:00	10:40	9:20	9:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000324	Optimal Transfer by Stochastic Gradient Descent Algorithm Adam	Kyushu University	Shodai	Hirayama
d-11	Trajectory Design and Optimization 2	C Box 4F	Jun.8/Thu.	9:00	10:40	9:40	10:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000477	On Sparse Trajectory Planning in the Bicircular Restricted Four-Body Problem Based on the ℓ_1 -Optimal Newton Method	Department of Aeronautics and Astronautics, Graduate School of Engineering, Kyoto University	Keitaro	Yamamoto
d-11	Trajectory Design and Optimization 2	C Box 4F	Jun.8/Thu.	9:00	10:40	10:00	10:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000464	Computing Quasi-Periodic Orbits: Trajectory Optimization Approach	The University of Tokyo	Takuya	Chikazawa
d-11	Trajectory Design and Optimization 2	C Box 4F	Jun.8/Thu.	9:00	10:40	10:20	10:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000475	Robust control strategy of periodic orbits via a hybrid multiple-shooting approach	Sapienza University of Rome	Nicola	Marmo
d-12	Trajectory Design and Optimization 3	C Box 4F	Jun.8/Thu.	11:00	12:40	11:00	11:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000171	Dynamic Study of Tethered Probe for Planetary Atmospheric Exploration	Tecnologico de Monterrey	Andres Anselmo	Loera
d-12	Trajectory Design and Optimization 3	C Box 4F	Jun.8/Thu.	11:00	12:40	11:20	11:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000251	Trajectory design and flight results in LEOP for EQUULEUS mission	The University of Tokyo	Yosuke	Kawabata

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d-12	Trajectory Design and Optimization 3	C Box 4F	Jun.8/Thu.	11:00	12:40	11:40	12:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000559	Flight Dynamics Operation Strategies of Martian Moons eXploration (MMX)	JAXA	Hitoshi Ikeda	
d-12	Trajectory Design and Optimization 3	C Box 4F	Jun.8/Thu.	11:00	12:40	12:00	12:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000526	Impact Probability Analysis for Planetary Protection of Martian Moons eXploration	Fujitsu Limited	Masakazu Iwabuchi	
d-12	Trajectory Design and Optimization 3	C Box 4F	Jun.8/Thu.	11:00	12:40	12:20	12:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000320	Practical Asteroid Retrieval Mission Design Method Based on The Capture Dynamics in the Planar Circular Restricted Three-body Problem	Nagoya University	Kohei Yamaguchi	
d-13	Mission Design 1	C Box 4F	Jun.9/Fri.	14:00	15:40	14:00	14:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000245	Orbital and Surface Environments of the Fast Rotator 1998 KY26: Application to the Hayabusa2 Extended Mission	National Astronomical Observatory of Japan	Shota Kikuchi	
d-13	Mission Design 1	C Box 4F	Jun.9/Fri.	14:00	15:40	14:20	14:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000285	Research of On-board Optical Navigation for Hayabusa2's Flyby Mission	Japan Aerospace Exploration Agency	Yuya Mimasu	
d-13	Mission Design 1	C Box 4F	Jun.9/Fri.	14:00	15:40	14:40	15:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000480	Feasibility Study of A Mission Sequence To Stay in A Vicinity of Asteroid with Solar Sail	Tokyo Institute of Technology	Moe Yasuda	
d-13	Mission Design 1	C Box 4F	Jun.9/Fri.	14:00	15:40	15:00	15:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000487	Attitude Control Law of Touch-and-Go Probe for Non-small Celestial Body Sample Return Mission	the University of Tokyo	Haruhito Ohki	
d-14	Mission Design 2	C Box 4F	Jun.9/Fri.	16:00	17:40	16:00	16:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000431	Performance Analysis of Guided Parafoil System Using Multiple Wind Information Applied for Launch Vehicle Upper-Stage Recovery	Tokyo University of Science	Kota Kawaguchi	
d-14	Mission Design 2	C Box 4F	Jun.9/Fri.	16:00	17:40	16:20	16:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000568	Efficient Solution for Thrust Distribution of Simultaneous Forces and Torques	Astroscale Japan	Mar Cols Margenet	
d-14	Mission Design 2	C Box 4F	Jun.9/Fri.	16:00	17:40	16:40	17:00	d) Astrodynamics, Navigation Guidance and Control	Oral	C000089	Path Planning of Magnetic Movable Robot on Deployable Membrane Structure	Tokyo Institute of Technology	Takaomi Chubachi	
d-14	Mission Design 2	C Box 4F	Jun.9/Fri.	16:00	17:40	17:00	17:20	d) Astrodynamics, Navigation Guidance and Control	Oral	C000323	Study on Deep Space Relative Radio Navigation Using Beacons	The University of Tokyo	Masahiro Fujita	
d-14	Mission Design 2	C Box 4F	Jun.9/Fri.	16:00	17:40	17:20	17:40	d) Astrodynamics, Navigation Guidance and Control	Oral	C000420	Optical Lunar Navigation for a Small Spacecraft Using Basilisk Astrodynamics Software	Sivas University of Science and Technology	Volkan Paksoy	
e-1		The large Meeting Room 2 5F		16:00	17:40	16:00	16:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000281	Optimal Shape Design for Lifting Body Type Upper Stage of Reusable Launch Vehicle	Ogasawara Laboratory, Department of Mechanical Engineering, Faculty of Science and Technology, Tokyo University of	Daiki Asamitsu	
e-1	Supersonic and Hypersonic Flow (1)	The large Meeting Room 2 5F	Jun.6/Tus.	9:00	10:40	9:00	9:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000569	Diagnostics of Expansion Tube Flows by Sensitivity Enhanced Laser Absorption Spectroscopy of Oxygen Molecule	Shizuoka University	Hayato Nogami	
e-1	Supersonic and Hypersonic Flow (1)	The large Meeting Room 2 5F	Jun.6/Tus.	9:00	10:40	9:20	9:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000291	Study on Reduction of Aerodynamic Heating by using Backward Facing Step	Tokyo University of Science	Daiki Yoshikawa	
e-1	Supersonic and Hypersonic Flow (1)	The large Meeting Room 2 5F	Jun.6/Tus.	9:00	10:40	9:40	10:00	e) Fluid Dynamics and Aerothermodynamics	Oral	C000532	Study on Water-Ice Behavior and Subsequent Water-Flow Interaction in Mach-7 Hypersonic Flow	Toyota Technological Institute	Yasumasa Watanabe	
e-1	Supersonic and Hypersonic Flow (1)	The large Meeting Room 2 5F	Jun.6/Tus.	9:00	10:40	10:00	10:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000197	Preliminary Experiments of Flow Structure of Axisymmetric Supersonic Free Jets	The University of Kitakyusyu	Hiromu Ueno	

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e-1	Supersonic and Hypersonic Flow (1)	The large Meeting Room 2 5F	Jun.6/Tus.	9:00	10:40	10:20	10:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000198	Preliminary Experiments of Elliptic Underexpanded Sonic Jets	The University of Kitakyusyu	Takumi	Sakashita
e-2	Supersonic and Hypersonic Flow (2)	The large Meeting Room 2 5F	Jun.6/Tus.	11:00	12:20	11:00	11:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000199	Fundamental Experiments of Unsteady Transonic Diffuser Flows	The University of Kitakyushu	Takahiro	Yamashita
e-2	Supersonic and Hypersonic Flow (2)	The large Meeting Room 2 5F	Jun.6/Tus.	11:00	12:20	11:20	11:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000274	Numerical Study of Unsteady Transonic Diffuser Flows	The University of Kitakyushu	Masaki	Okajima
e-2	Supersonic and Hypersonic Flow (2)	The large Meeting Room 2 5F	Jun.6/Tus.	11:00	12:20	11:40	12:00	e) Fluid Dynamics and Aerothermodynamics	Oral	C000325	Preliminary Experiments of Square Supersonic Microjets	The University of Kitakyushu	Ryuki	Nishi
e-2	Supersonic and Hypersonic Flow (2)	The large Meeting Room 2 5F	Jun.6/Tus.	11:00	12:20	12:00	12:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000142	Development of Microwave Tuned Operation Technique for the Free-Piston Driven Expansion Tube	Tokyo metropolitan university	Yosuke	Kurosaka
e-3	Atmospheric-entry (1)	The large Meeting Room 2 5F	Jun.6/Tus.	14:00	15:40	14:00	14:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000280	Development of Experimental Evaluation Method of Martian Real-Gas Aerodynamics	The University of Tokyo	Kyosuke	ITABASHI
e-3	Atmospheric-entry (1)	The large Meeting Room 2 5F	Jun.6/Tus.	14:00	15:40	14:20	14:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000449	Measurement of CO2 Recombination Rates in Shock Tube with Divergent Nozzle	Shizuoka University	Yoshihiro	Shimizu
e-3	Atmospheric-entry (1)	The large Meeting Room 2 5F	Jun.6/Tus.	14:00	15:40	14:40	15:00	e) Fluid Dynamics and Aerothermodynamics	Oral	C000573	CALCULATION OF NONEQUILIBRIUM HYPERSONIC FLOWFIELD OVER A BLUNT BODY USING AN OPEN SOURCE SOLVER hy2Foam	Department of Mechatronics Engineering, Chungnam National University. Korea	Jianshu	Wu
e-3	Atmospheric-entry (1)	The large Meeting Room 2 5F	Jun.6/Tus.	14:00	15:40	15:00	15:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000423	An Attempt of Trim Change for Re-entry Capsule with Body Flaps	Kyushu Institute of Technology	Renma	Sumiyoshi
e-3	Atmospheric-entry (1)	The large Meeting Room 2 5F	Jun.6/Tus.	14:00	15:40	15:20	15:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000097	Aerothermodynamic Environment around Venus Low-Ballistic-Coefficient Aerocapture Vehicle with Membrane Aeroshell	GSFS, The University of Tokyo	Kojiro	Suzuki
e-4	Atmospheric-entry (2)	The large Meeting Room 2 5F	Jun.6/Tus.	16:00	17:40	16:00	16:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000187	Fundamental Aerodynamic Study on Small Atmospheric Entry Probes for Multi-point Mars Exploration	Toyota Technological Institute	Keita	Manabe
e-4	Atmospheric-entry (2)	The large Meeting Room 2 5F	Jun.6/Tus.	16:00	17:40	16:20	16:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000471	Numerical Analysis of Free Oscillation of Reentry Capsule on Suppression of Dynamic Instability at Transonic Flow	Tohoku University	Yasuhiro	Okano
e-4	Atmospheric-entry (2)	The large Meeting Room 2 5F	Jun.6/Tus.	16:00	17:40	16:40	17:00	e) Fluid Dynamics and Aerothermodynamics	Oral	C000499	Subsonic Attitude Motion of the Capsule-type Vehicle Hayabusa2 SRC REMM and Vertical Windtunnel Data	ISAS/JAXA	Tetsuya	Yamada
e-4	Atmospheric-entry (2)	The large Meeting Room 2 5F	Jun.6/Tus.	16:00	17:40	17:00	17:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000163	Analyses of Roll Damping Coefficients in Hypersonic Rarefied Flows	Japan Aerospace Exploration Agency	Takashi	Ozawa
e-4	Atmospheric-entry (2)	The large Meeting Room 2 5F	Jun.6/Tus.	16:00	17:40	17:20	17:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000200	Pressure Distribution Measurement around a Re-entry Capsule with Hyperbolic Contours in the Supersonic Regime	Ryukoku University	Hiroataka	Otsu
e-5	Aerodynamics of Space Vehicle	The large Meeting Room 2 5F	Jun.7/Wed	16:00	17:20	16:00	16:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000281	Optimal Shape Design for Lifting Body Type Upper Stage of Reusable Launch Vehicle	Tokyo University of Science	Daiki	Asamitsu
e-5	Aerodynamics of Space Vehicle	The large Meeting Room 2 5F	Jun.7/Wed	16:00	17:20	16:20	16:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000107	An Experimental Study on the Flow Field Structure around a Slender Body under Pitch Motion	The University of Tokyo	Ryota	Tamai

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e-5	Aerodynamics of Space Vehicle	The large Meeting Room 2 5F	Jun.7/Wed	16:00	17:20	16:40	17:00	e) Fluid Dynamics and Aerothermodynamics	Oral	C000136	A Novel Concept of Hypersonic Aircraft with Variable Geometry Twin-Oblique-Wing	The University of Tokyo	Ichiro		Baba
e-5	Aerodynamics of Space Vehicle	The large Meeting Room 2 5F	Jun.7/Wed	16:00	17:20	17:00	17:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000589	Comparison of Numerical Results with Aerodynamic Experimental Data for JAXA's Experimental Vehicle for Hypersonic Flight	JAXA	Susumu		Hasegawa
e-6		The large Meeting Room 2 5F		16:00	17:40	16:20	16:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000604	Experimental Investigation on Aerodynamic Characteristics of NACA0021-Based Airfoils with Leading-Edge Tubercles	National Defense Academy of Japan	MASATO		TAGUCHI
e-6	High Enthalpy Flow and Thermal Protection System (1)	The large Meeting Room 2 5F	Jun.8/Thu.	9:00	10:40	9:00	9:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000507	Experimental Application of a Catalytic Heat Flux Probe in Venus Aerobraking and High-Altitude Earth Re-entry Environments	University of Stuttgart, Institute of Space Systems	Clemens	Felix	Kaiser
e-6	High Enthalpy Flow and Thermal Protection System (1)	The large Meeting Room 2 5F	Jun.8/Thu.	9:00	10:40	9:20	9:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000076	Experimental Analysis of Catalysis for Demisable Materials under Consideration of Non-Equilibrium Effects in Plasma Wind Tunnels	University of Stuttgart, Institute of Space Systems	Adam	Sean	Pagan
e-6	High Enthalpy Flow and Thermal Protection System (1)	The large Meeting Room 2 5F	Jun.8/Thu.	9:00	10:40	9:40	10:00	e) Fluid Dynamics and Aerothermodynamics	Oral	C000496	Shear Stress Measurement on Model Surface in Arcjet Wind Tunnel	Tottori University	Kenichi		Sakamoto
e-6	High Enthalpy Flow and Thermal Protection System (1)	The large Meeting Room 2 5F	Jun.8/Thu.	9:00	10:40	10:00	10:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000505	Numerical and Experimental Investigation of Magnetohydrodynamic Shock Layer Enlargement in Ultra-High Speed Expansion Tube Flow	Tottori University	Hiroshi		Katsurayama
e-6	High Enthalpy Flow and Thermal Protection System (1)	The large Meeting Room 2 5F	Jun.8/Thu.	9:00	10:40	10:20	10:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000521	Investigation of Re-Entry Break-Up Radiation Markers with a Splitter Probe	University of Stuttgart, Institute of Space Systems	Johannes	Wolfgang	Oswald
e-7	High Enthalpy Flow and Thermal Protection System (2)	The large Meeting Room 2 5F	Jun.8/Thu.	11:00	12:40	11:00	11:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000463	Heating Experiments of Resin-impregnated Porous-carbon Materials under High Heating-rate Conditions	Gunma University	Takahisa		Kaneda
e-7	High Enthalpy Flow and Thermal Protection System (2)	The large Meeting Room 2 5F	Jun.8/Thu.	11:00	12:40	11:20	11:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000256	Study of High-Density Thermal Protection System with Carbon Black Filler	Waseda University	Takuto		Utsumi
e-7	High Enthalpy Flow and Thermal Protection System (2)	The large Meeting Room 2 5F	Jun.8/Thu.	11:00	12:40	11:40	12:00	e) Fluid Dynamics and Aerothermodynamics	Oral	C000469	Three-dimensional MHD analysis of Wall Electrical Conduction Effect on MHD Flow Control for Re-entry Capsule	Japan Aerospace Exploration Agency	Yasunori		Nagata
e-7	High Enthalpy Flow and Thermal Protection System (2)	The large Meeting Room 2 5F	Jun.8/Thu.	11:00	12:40	12:00	12:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000079	MHD Flow Manipulation Experiments in High Enthalpy Air Plasma	University of Stuttgart - Institute of Space Systems	Johannes	Wolfgang	Oswald
e-7	High Enthalpy Flow and Thermal Protection System (2)	The large Meeting Room 2 5F	Jun.8/Thu.	11:00	12:40	12:20	12:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000390	Effect of Reducing Agents and Preheating on the Reduction Efficiency of Al2O3 by Laser Diode Ablation	Shizuoka University	Kanta		Ishiguro
e-8	Nozzle Flow and Internal Flow	The large Meeting Room 2 5F	Jun.8/Thu.	14:00	15:20	14:00	14:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000118	Thrust vectoring of a supersonic jet by fluidic injection	Indian Institute of Technology Kanpur	Anwesh	Kumar	Yadav
e-8	Nozzle Flow and Internal Flow	The large Meeting Room 2 5F	Jun.8/Thu.	14:00	15:20	14:20	14:40	e) Fluid Dynamics and Aerothermodynamics	Oral	C000010	Investigation on the Simulation of a Nozzle Flow Ionization in a Rarefied Atmosphere using a Post-computation Approach	Nagoya University	Virgile		Charton
e-8	Nozzle Flow and Internal Flow	The large Meeting Room 2 5F	Jun.8/Thu.	14:00	15:20	14:40	15:00	e) Fluid Dynamics and Aerothermodynamics	Oral	C000585	Functional Design Aspects of a Reusable Hydrogen Propellant Tank for a VTVL Vehicle	DLR - German Aerospace Center	Malte		Stief
e-8	Nozzle Flow and Internal Flow	The large Meeting Room 2 5F	Jun.8/Thu.	14:00	15:20	14:40	15:00	e) Fluid Dynamics and Aerothermodynamics	Oral	C000067	A Study of Laminar-Turbulent Transition in a Curved Pipe Flow	Chubu University	Mizuki		Yamamoto

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter	
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e-8	Nozzle Flow and Internal Flow	The large Meeting Room 2 5F	Jun.8/Thu.	14:00	15:20	15:00	15:20	e) Fluid Dynamics and Aerothermodynamics	Oral	C000071	Experimental study on reverse transition of pipe flow	Chubu University	Hikaru	Yokoo
f-1	Missions 1	The large Meeting Room 3 5F	Jun.5/Mon.	16:00	17:40	16:00	16:20	f) Small Satellite : Joint session with NSAT	Oral	C000092	On-orbit Demonstration of a Redundant System Using Multiple Frequency Transmitters and Receivers in 6U CubeSat	The University of Tokyo	Tomoki	Mochizuki
f-1	Missions 1	The large Meeting Room 3 5F	Jun.5/Mon.	16:00	17:40	16:20	16:40	f) Small Satellite : Joint session with NSAT	Oral	C000403	One-Year Operation of Technology Demonstration CubeSat KOSEN-1	National Institute of Technology (KOSEN), Niihama College	Masafumi	Imai
f-1	Missions 1	The large Meeting Room 3 5F	Jun.5/Mon.	16:00	17:40	16:40	17:00	f) Small Satellite : Joint session with NSAT	Oral	C000527	On-Orbit Operation Results of the AIS Receiving System Demonstration Satellite IHI-SAT	IHI Corporation	Yuko	Kawasoe
f-1	Missions 1	The large Meeting Room 3 5F	Jun.5/Mon.	16:00	17:40	17:00	17:20	f) Small Satellite : Joint session with NSAT	Oral	C000548	On-Orbit Performance Evaluation of Agile and Large-Angle Attitude Control of Spacecraft with Variable Shape Function	Tokyo Institute of Technology	Kei	Watanabe
f-1	Missions 1	The large Meeting Room 3 5F	Jun.5/Mon.	16:00	17:40	17:20	17:40	f) Small Satellite : Joint session with NSAT	Oral	C000555	Ryman Sat Project 2nd 1U cubesat RSP-01 development results & Improvements for successor 1U cubesats RSP-02 & RSP-03	Ryman Sat Project	Yoshihito	Morishita
f-2	Missions 2	The large Meeting Room 3 5F	Jun.6/Tus.	9:00	10:40	9:00	9:20	f) Small Satellite : Joint session with NSAT	Oral	C000587	Journey of a Pocketcube: Concept to Orbit	TU Delft	Mehmet Sevket	Uludag
f-2	Missions 2	The large Meeting Room 3 5F	Jun.6/Tus.	9:00	10:40	9:20	9:40	f) Small Satellite : Joint session with NSAT	Oral	C000591	The Scintillation Prediction Observations Research Task (SPORT): An International Collaborative CubeSat Mission Partnership	NASA	Joseph C	Casas
f-2	Missions 2	The large Meeting Room 3 5F	Jun.6/Tus.	9:00	10:40	9:40	10:00	f) Small Satellite : Joint session with NSAT	Oral	C000440	Localization Method of Multi-Platform Low Power Wide Area-Network Constellation	Meijo University	Kikuko	Miyata
f-2	Missions 2	The large Meeting Room 3 5F	Jun.6/Tus.	9:00	10:40	10:00	10:20	f) Small Satellite : Joint session with NSAT	Oral	C000515	Design and Development of a 3U Cubesat Constellation for Agriculture and Disaster Monitoring	Philippine Space Agency	Julie Ann	Banatao
f-2	Missions 2	The large Meeting Room 3 5F	Jun.6/Tus.	9:00	10:40	10:20	10:40	f) Small Satellite : Joint session with NSAT	Oral	C000535	Phasing a synthetic aperture telescope using image-based adaptive optics	Meisei University	Norihide	Miyamura
f-3	Missions 3	The large Meeting Room 3 5F	Jun.6/Tus.	11:00	12:40	11:00	11:20	f) Small Satellite : Joint session with NSAT	Oral	C000009	Development of Osaka Sangyo University 1U Cubesat OSU-1 with 1J/1W Pulsed Plasma Thruster Systems for Powered Flight, and R&D	Osaka Sangyo University	Ren-ichiro	Oka
f-3	Missions 3	The large Meeting Room 3 5F	Jun.6/Tus.	11:00	12:40	11:20	11:40	f) Small Satellite : Joint session with NSAT	Oral	C000244	Development of a Wooden Cube Satellite Called LignoSat	Faculty of Science, Kyoto University, Japan	Hiroto	Kishi
f-3	Missions 3	The large Meeting Room 3 5F	Jun.6/Tus.	11:00	12:40	11:40	12:00	f) Small Satellite : Joint session with NSAT	Oral	C000583	Possibility of utilization of outer space for entertainment by CubeSat RSP-03	Rymansat Project, RSP-03 Project Manager	Sahoko	Kito
f-3	Missions 3	The large Meeting Room 3 5F	Jun.6/Tus.	11:00	12:40	12:00	12:20	f) Small Satellite : Joint session with NSAT	Oral	C000473	Completion of the development of Ten-Koh 2 Spacecraft	Nihon University, College of Science and Technology	Kei-Ichi	Okuyama
f-3	Missions 3	The large Meeting Room 3 5F	Jun.6/Tus.	11:00	12:40	12:20	12:40	f) Small Satellite : Joint session with NSAT	Oral	C000595	Ten-Koh 2 - Using the lessons learned from a micro-satellite development in the optimization and improvement of a nano-satellite mission.	Nihon University - College of Science and Technology	Rafael Armando	Rodriguez Leon

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter	
				Start	end	Start	end							
f-4	Missions 4: Lunar and Interplanetary Missions	The large Meeting Room 3 5F	Jun.6/Tus.	14:00	15:40	14:00	14:20	f) Small Satellite : Joint session with NSAT	Oral	C000091	In-orbit Operation of CubeSat Moon Lander OMOTENASHI	JAXA	Tatsuaki	Hashimoto
f-4	Missions 4: Lunar and Interplanetary Missions	The large Meeting Room 3 5F	Jun.6/Tus.	14:00	15:40	14:20	14:40	f) Small Satellite : Joint session with NSAT	Oral	C000540	Trajectory Design and Flight Operation of Nano Moon Lander OMOTENASHI	Japan Aerospace Exploration Agency (JAXA)	Junji	Kikuchi
f-4	Missions 4: Lunar and Interplanetary Missions	The large Meeting Room 3 5F	Jun.6/Tus.	14:00	15:40	14:40	15:00	f) Small Satellite : Joint session with NSAT	Oral	C000481	Initial Operation Results of Artemis-1 CubeSat EQUULEUS	JAXA	Ryu	Funase
f-4	Missions 4: Lunar and Interplanetary Missions	The large Meeting Room 3 5F	Jun.6/Tus.	14:00	15:40	15:00	15:20	f) Small Satellite : Joint session with NSAT	Oral	C000514	Initial Flight Operation of AQUARIUS: Water Resistojet Thruster on 6U EQUULEUS	The University of Tokyo	Isamu	Moriai
f-4	Missions 4: Lunar and Interplanetary Missions	The large Meeting Room 3 5F	Jun.6/Tus.	14:00	15:40	15:20	15:40	f) Small Satellite : Joint session with NSAT	Oral	C000353	System Design of 50kg-class Microsatellite with High Thrust Propulsion System	Japan Aerospace Exploration Agency	Shintaro	Nakajima
f-5	Missions 5	The large Meeting Room 3 5F	Jun.6/Tus.	16:00	17:40	16:00	16:20	f) Small Satellite : Joint session with NSAT	Oral	C000351	Conceptual Design for small probe on the Comet Interceptor mission	Japan Aerospace Exploration Agency	Shintaro	Nakajima
f-5	Missions 5	The large Meeting Room 3 5F	Jun.6/Tus.	16:00	17:40	16:20	16:40	f) Small Satellite : Joint session with NSAT	Oral	C000444	Miniaturized Hall Thruster System for 2U CubeSat K-HERO	KAIST	Dongha	Park
f-5	Missions 5	The large Meeting Room 3 5F	Jun.6/Tus.	16:00	17:40	16:40	17:00	f) Small Satellite : Joint session with NSAT	Oral	C000478	Energy Management for the Payankeu Solar Sailcraft Prototype	University of Reunion	Guy	Pignolet
f-5	Missions 5	The large Meeting Room 3 5F	Jun.6/Tus.	16:00	17:40	17:00	17:20	f) Small Satellite : Joint session with NSAT	Oral	C000043	Operation Consideration of a Time Delay Integral (TDI) Imaging Mission	NSPO	Chen-Yu	Chan
f-5	Missions 5	The large Meeting Room 3 5F	Jun.6/Tus.	16:00	17:40	17:20	17:40	f) Small Satellite : Joint session with NSAT	Oral	C000083	Research In Outer Space – Facilitating access to space supporting scientific and technological advancement	D-Orbit	David	Moroni
f-6	Guidance, Navigation, and Control 1	The large Meeting Room 3 5F	Jun.7/Wed	9:00	10:50	9:00	9:20	f) Small Satellite : Joint session with NSAT	Oral	C000058	Simplifying Avionics Design and Demonstration: A Unified Module Framework for Spacecraft Avionics	German Aerospace Center (DLR)	Felix	Eichstaedt
f-6	Guidance, Navigation, and Control 1	The large Meeting Room 3 5F	Jun.7/Wed	9:00	10:50	9:20	9:40	f) Small Satellite : Joint session with NSAT	Oral	C000157	Development of Software-In-the-Loop Simulator and Hardware-In-the-Loop Simulator of AOCS Module for CubeSats	The University of Tokyo	Hiroataka	Sekine
f-6	Guidance, Navigation, and Control 1	The large Meeting Room 3 5F	Jun.7/Wed	9:00	10:50	9:40	10:00	f) Small Satellite : Joint session with NSAT	Oral	C000202	Magnetic Test Result of AOCS Module and 6U CubeSat	The University of Tokyo	Toshihiro	Suzuki
f-6	Guidance, Navigation, and Control 1	The large Meeting Room 3 5F	Jun.7/Wed	9:00	10:50	10:00	10:20	f) Small Satellite : Joint session with NSAT	Oral	C000513	An Algorithm of Star Tracker for Large Angle Attitude Change	Tokyo Institute of Technology	Katsuki	Tashiro
f-6	Guidance, Navigation, and Control 1	The large Meeting Room 3 5F	Jun.7/Wed	9:00	10:50	10:20	10:50	f) Small Satellite : Joint session with NSAT	Oral	Invited Talk(招待講演)	Nano-satellite Symposium Special Talk	SPACETIDE	Masayasu	Ishida
f-7	Guidance, Navigation, and Control 2	The large Meeting Room 3 5F	Jun.7/Wed	11:00	12:40	11:00	11:20	f) Small Satellite : Joint session with NSAT	Oral	C000042	Vector-FDA - A Spherical Compact Three-Axis Attitude Control System for Small Satellites based on Liquid Metal	Technical University of Berlin	Huu Quan	Vu
f-7	Guidance, Navigation, and Control 2	The large Meeting Room 3 5F	Jun.7/Wed	11:00	12:40	11:20	11:40	f) Small Satellite : Joint session with NSAT	Oral	C000131	Preliminary Results on the Nanosatellite Attitude Stabilization using Electropermanent Magnetorquer	The University of Sydney	Youngho	Eun
f-7	Guidance, Navigation, and Control 2	The large Meeting Room 3 5F	Jun.7/Wed	11:00	12:40	11:40	12:00	f) Small Satellite : Joint session with NSAT	Oral	C000276	Performance Evaluation on Micro Thruster of Propulsion Systems for Microsatellite	Tokyo Metropolitan University	Hiroyoshi	Yasuhiro

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f-7	Guidance, Navigation, and Control 2	The large Meeting Room 3 5F	Jun.7/Wed	11:00	12:40	12:00	12:20	f) Small Satellite : Joint session with NSAT	Oral	C000549	Mission analysis and lifecycle value of multimode water propulsion for collision avoidance and drag-compensation of CubeSats	The University of Tokyo	Hiroyuki	Koizumi
f-7	Guidance, Navigation, and Control 2	The large Meeting Room 3 5F	Jun.7/Wed	11:00	12:40	12:20	12:40	f) Small Satellite : Joint session with NSAT	Oral	C000571	Simulation Evaluation of Re-entry Control Technique for Small Satellite ELS-R100	Tohoku University	Takumi	Saito
f-8	Satellite Design and Development 1	The large Meeting Room 3 5F	Jun.7/Wed	16:00	17:40	16:00	16:20	f) Small Satellite : Joint session with NSAT	Oral	C000113	Development Status of Small SAR Satellite Components	MITSUBISHI ELECTRIC corporation	Shota	Katayama
f-8	Satellite Design and Development 1	The large Meeting Room 3 5F	Jun.7/Wed	16:00	17:40	16:20	16:40	f) Small Satellite : Joint session with NSAT	Oral	C000158	On-Orbit Verification of Operation Scenarios Designed by an Integrated Power Balance Analysis Platform	The University of Tokyo	Kazuki	Takashima
f-8	Satellite Design and Development 1	The large Meeting Room 3 5F	Jun.7/Wed	16:00	17:40	16:40	17:00	f) Small Satellite : Joint session with NSAT	Oral	C000536	Development of Command and Data Handling System realizing two distinct Science Missions with a micro-satellite	Tokyo Institute of Technology	Toshiki	Ozawa
f-8	Satellite Design and Development 1	The large Meeting Room 3 5F	Jun.7/Wed	16:00	17:40	17:00	17:20	f) Small Satellite : Joint session with NSAT	Oral	C000238	Comparison of CPLD and FPGA interfaces for configurable backplane between CubeSat bus and mission payload	Kyushu Institute of Technology	Rafiki Yves	NDAYISHIMIYE
f-8	Satellite Design and Development 1	The large Meeting Room 3 5F	Jun.7/Wed	16:00	17:40	17:20	17:40	f) Small Satellite : Joint session with NSAT	Oral	C000322	Improvement of Standard Back Plane Board for 1U and 2U CubeSats	Kyushu Institute of Technology	Yukihisa	Otani
f-9	Satellite Design and Development 2	The large Meeting Room 3 5F	Jun.8/Thu.	9:00	10:40	9:00	9:20	f) Small Satellite : Joint session with NSAT	Oral	C000260	Exploratory approach of efficient SEE evaluation of multiple and/or complex COTS devices with graphical current monitoring and control system	Japan Aerospace Exploration Agency	Naoto	Usami
f-9	Satellite Design and Development 2	The large Meeting Room 3 5F	Jun.8/Thu.	9:00	10:40	9:20	9:40	f) Small Satellite : Joint session with NSAT	Oral	C000368	Validation methodology for the adoption of microelectronic devices for Nanosatellites	Nihon University	Isai	Fajardo Tapia
f-9	Satellite Design and Development 2	The large Meeting Room 3 5F	Jun.8/Thu.	9:00	10:40	9:40	10:00	f) Small Satellite : Joint session with NSAT	Oral	C000493	Investigation of Micro Bio Space Lab with Micro Imaging Devices for Space Bio Experiments	IDDK Co., Ltd.	Yusuke	Takeuchi
f-9	Satellite Design and Development 2	The large Meeting Room 3 5F	Jun.8/Thu.	9:00	10:40	10:00	10:20	f) Small Satellite : Joint session with NSAT	Oral	C000348	Thermal design and analysis of 6U satellite "KITSUNE" for high precision camera	Kyushu Institute of Technology	Hirokazu	Masui
f-9	Satellite Design and Development 2	The large Meeting Room 3 5F	Jun.8/Thu.	9:00	10:40	10:20	10:40	f) Small Satellite : Joint session with NSAT	Oral	C000388	Improvement of Thermal Contact Resistance Model for Thermal Design of Nano-Satellites	Meijo University	Yuta	Kawazoe
f-10	Structures and Materials	The large Meeting Room 3 5F	Jun.8/Thu.	11:00	12:40	11:00	11:20	f) Small Satellite : Joint session with NSAT	Oral	C000299	Design and simulation table shape to optimize SRS level in the 3-axis direction	Graduate student	Polimey	IM
f-10	Structures and Materials	The large Meeting Room 3 5F	Jun.8/Thu.	11:00	12:40	11:20	11:40	f) Small Satellite : Joint session with NSAT	Oral	C000363	The Utilization of wood for a CubeSat Structure	Kyoto University, Japan	Saori	Endo
f-10	Structures and Materials	The large Meeting Room 3 5F	Jun.8/Thu.	11:00	12:40	11:40	12:00	f) Small Satellite : Joint session with NSAT	Oral	C000414	System analysis and pre-flight evaluation of deployable solar panels for 3U CubeSat HOKUSHIN-1	Hokkaido University	Yuji	Sakamoto
f-10	Structures and Materials	The large Meeting Room 3 5F	Jun.8/Thu.	11:00	12:40	12:00	12:20	f) Small Satellite : Joint session with NSAT	Oral	C000525	Structural Design and Validation of its Versatility of 6U CubeSat Bus ISSL6U	University of Tokyo	Toma	Kazuki
f-10	Structures and Materials	The large Meeting Room 3 5F	Jun.8/Thu.	11:00	12:40	12:20	12:40	f) Small Satellite : Joint session with NSAT	Oral	C000528	Deployment of Membrane Array Antenna in Space Using 3U CubeSat, OrigamiSat-2	Tokyo Institute of Technology	Taichi	Oshino

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter	
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g-1	Flight Experiments 1	The medium Meeting Room 1 4F	Jun.7/Wed	16:00	17:20	16:00	16:20	g) Space Transportation	Oral	C000607	CALLISTO Reusable rocket stage demonstrator: getting ready for implementation	DLR	Etienne	Dumont
g-1	Flight Experiments 1	The medium Meeting Room 1 4F	Jun.7/Wed	16:00	17:20	16:20	16:40	g) Space Transportation	Oral	C000582	Hydraulic and Thermal 1D Modelling of the LH2-Tank within the CALLISTO Project Using EcoSim Pro/ESPSS	German Aerospace Center	Lukas	Opp
g-1	Flight Experiments 1	The medium Meeting Room 1 4F	Jun.7/Wed	16:00	17:20	16:40	17:00	g) Space Transportation	Oral	C000584	Numerical Investigation of Cryogenic LH2 Tank Pressurization in Callisto	German Aerospace Center – DLR	Adrian	Thomas EstebanKrieger
g-1	Flight Experiments 1	The medium Meeting Room 1 4F	Jun.7/Wed	16:00	17:20	17:00	17:20	g) Space Transportation	Oral	C000611	Robot for managing safety-critical operations of the CALLISTO reusable demonstrator in Landing Zone	CNES	Thomas	Lienart
g-2	Flight Experiments 2	The medium Meeting Room 1 4F	Jun.8/Thu.	9:00	10:00	9:00	9:20	g) Space Transportation	Oral	C000376	Flight Demonstration and Repeated Operation of Reusable Vehicle Experiment RV-X	JAXA	Satoshi	Nonaka
g-2	Flight Experiments 2	The medium Meeting Room 1 4F	Jun.8/Thu.	9:00	10:00	9:20	9:40	g) Space Transportation	Oral	C000054	Numerical Simulation on Aerodynamic Characteristics of Reusable Vehicle Experiment RV-X : Effect of Turbulence Model	Kyushu Institute of Technology	Tsuyoshi	Ifuku
g-2	Flight Experiments 2	The medium Meeting Room 1 4F	Jun.8/Thu.	9:00	10:00	9:40	10:00	g) Space Transportation	Oral	C000433	Helicopter Drop Test of Recovery System for Experimental Winged Rocket WIRES#015	Department of Mechanical Engineering, Faculty of Science and Technology, Tokyo University of Science	Hiroya	Omori
g-3	Flight Experiments 3	The medium Meeting Room 1 4F	Jun.8/Thu.	11:00	12:20	11:00	11:20	g) Space Transportation	Oral	C000408	Ground Effects in Aerodynamics of a Small-scale Supersonic Flight Experiment Vehicle with a Cranked Arrow Main Wing	MURORAN INSTITUTE OF TECHNOLOGY	Kanata	Shimizu
g-3	Flight Experiments 3	The medium Meeting Room 1 4F	Jun.8/Thu.	11:00	12:20	11:20	11:40	g) Space Transportation	Oral	C000409	Flow Structure on Aerodynamics of a Small-scale Supersonic Flight Experiment Vehicle Being Developed at Muroran Institute of Technology	Muroran Institute of Technology	Shun	Sasaki
g-3	Flight Experiments 3	The medium Meeting Room 1 4F	Jun.8/Thu.	11:00	12:20	11:40	12:00	g) Space Transportation	Oral	C000618	Prediction of Rolling Response of a Small-scale Supersonic Flight Experiment Vehicle by 6-Degree-of-Freedom Flight Simulation with Measured Aerodynamics	National University Corporation Muroran Institute of Technpology	Kazuhide	Mizobata
g-3	Flight Experiments 3	The medium Meeting Room 1 4F	Jun.8/Thu.	11:00	12:20	12:00	12:20	g) Space Transportation	Oral	C000600	Experimental Verification of Hybrid Drive Climber for Space Elevator Assuming Operation in Space Environment	Shonan Institute of Technology	Fumihiro	Inoue
g-4	Reusable Launch Vehicles / Orbital Transfer Vehicles	The medium Meeting Room 1 4F	Jun.8/Thu.	14:00	15:40	14:00	14:20	g) Space Transportation	Oral	C000222	Integrated Multi-physics and System-level Simulation Platform for Reusable Launch Vehicle Concept Study	JAXA	Hirofumi	Kurata
g-4	Reusable Launch Vehicles / Orbital Transfer Vehicles	The medium Meeting Room 1 4F	Jun.8/Thu.	14:00	15:40	14:20	14:40	g) Space Transportation	Oral	C000484	Conceptual Study on Rocket-Based Three-Stage To Orbit (ThSTO) Fully Reusable Space Transportation System	Tokyo University of Science	Shinichiro	Uno
g-4	Reusable Launch Vehicles / Orbital Transfer Vehicles	The medium Meeting Room 1 4F	Jun.8/Thu.	14:00	15:40	14:40	15:00	g) Space Transportation	Oral	C000624	Innovative Space Transportation System and its Key Technologies to Realize Frequent Accesses to Space	Innovative Space Carrier	Tadayoshi	Shoyama
g-4	Reusable Launch Vehicles / Orbital Transfer Vehicles	The medium Meeting Room 1 4F	Jun.8/Thu.	14:00	15:40	15:00	15:20	g) Space Transportation	Oral	C000084	In-Orbit Transportation – Facilitating Access to Space Through OTVs	D-Orbit	David	Moroni
g-4	Reusable Launch Vehicles / Orbital Transfer Vehicles	The medium Meeting Room 1 4F	Jun.8/Thu.	14:00	15:40	15:20	15:40	g) Space Transportation	Oral	C000395	A Study on Interorbital Network from Earth to Moon Using Orbital Transfer Vehicle	JAXA	Yusuke	Oki

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g-5	Solid-propellant rockets / Hybrid-propellant rockets	The medium Meeting Room 1 4F	Jun.8/Thu.	16:00	17:20	16:00	16:20	g) Space Transportation	Oral	C000399	Design of a Laser Ignition System for DESTINY⁺ Kick Stage	Japan Aerospace Exploration Agency	Naoki	Morishita
g-5	Solid-propellant rockets / Hybrid-propellant rockets	The medium Meeting Room 1 4F	Jun.8/Thu.	16:00	17:20	16:20	16:40	g) Space Transportation	Oral	C000339	Development of Solid Rocket Motors for Commercial Launch Vehicle	IHI AEROSPACE Co., Ltd.	Yasuaki	Matsuoka
g-5	Solid-propellant rockets / Hybrid-propellant rockets	The medium Meeting Room 1 4F	Jun.8/Thu.	16:00	17:20	16:40	17:00	g) Space Transportation	Oral	C000380	A Study on the Thrust Control of Hybrid Rockets Applied for Launcher Booster Recovery	Department of Transport Machnical Engineering, Faculty of Engineering	Masayuki	Katayama
g-5	Solid-propellant rockets / Hybrid-propellant rockets	The medium Meeting Room 1 4F	Jun.8/Thu.	16:00	17:20	17:00	17:20	g) Space Transportation	Oral	C000111	Study on Unexpected Behavior of Regression Sensor Structure in Multi-material Solid Fuels	Kyusyu Institute of Technology	Kazushi	Omiya
h-1	Thermophysical Property	The medium Meeting Room3 4F	Jun.8/Thu.	9:00	10:40	9:00	9:20	h) Microgravity Sciences and Technology	Oral	C000346	The electrostatic levitation furnace onboard the International Space Station (ISS-ELF)	Japan Aerospace Exploration Agency	Chihiro	Koyama
h-1	Thermophysical Property	The medium Meeting Room3 4F	Jun.8/Thu.	9:00	10:40	9:20	9:40	h) Microgravity Sciences and Technology	Oral	C000455	Oscillation phenomena of compound droplet by molten oxide and liquid Fe under microgravity	Gakushuin University	Masahito	Watanabe
h-1	Thermophysical Property	The medium Meeting Room3 4F	Jun.8/Thu.	9:00	10:40	9:40	10:00	h) Microgravity Sciences and Technology	Oral	C000162	Measurement of ablation thrust by CW laser using electrostatic levitation furnace and investigation of thrust generation model	Osaka Metropolitan University, Graduate School of Engineering, Department of Aerospace engineering	Naoki	Minagawa
h-1	Thermophysical Property	The medium Meeting Room3 4F	Jun.8/Thu.	9:00	10:40	10:00	10:20	h) Microgravity Sciences and Technology	Oral	C000121	Effect of Oxygen Adsorption on Surface Tension of Liquid Aluminum	Chiba Institute of Technology	Yusaku	Seimiya
h-1	Thermophysical Property	The medium Meeting Room3 4F	Jun.8/Thu.	9:00	10:40	10:20	10:40	h) Microgravity Sciences and Technology	Oral	C000315	Surface Tension of Molten Fe-Cu alloys Measured by Oscillating Droplet Method Using Electromagnetic Levitation	Chiba Institute of Technology	Riku	Sugahara
h-2	Combustion Science	The medium Meeting Room3 4F	Jun.8/Thu.	11:00	12:00	11:00	11:20	h) Microgravity Sciences and Technology	Oral	C000340	L3-FLAME: Low-speed Low-Lewis-number Counterflow Flame Experiment for Unified Combustion Limit Theory-Preliminary Airplane-based Microgravity Experiments and Computational Study-	Tohoku University	Akira	Tsunoda
h-2	Combustion Science	The medium Meeting Room3 4F	Jun.8/Thu.	11:00	12:00	11:20	11:40	h) Microgravity Sciences and Technology	Oral	C000427	Analysis of Cool and Hot Flame Ignition of Millimeter-Sized n-Decane Droplet Pairs based on the Damköhler Number	Kyushu University	Shion	Ando
h-2	Combustion Science	The medium Meeting Room3 4F	Jun.8/Thu.	11:00	12:00	11:40	12:00	h) Microgravity Sciences and Technology	Oral	C000508	Effects of Gravity on Limiting Oxygen Concentration (LOC) of PMMA Rods under Hypergravity Environments of a Centrifuge	The University of Tokyo	Taro	Takemata
h-3	Fluid Science	The medium Meeting Room3 4F	Jun.8/Thu.	14:00	15:20	14:00	14:20	h) Microgravity Sciences and Technology	Oral	C000492	3-D Reconstruction of Tracer Particles Seeded in a Thermocapillary Liquid bridge by Optical Tomography	Kanagawa University	Taishi	Yano
h-3	Fluid Science	The medium Meeting Room3 4F	Jun.8/Thu.	14:00	15:20	14:20	14:40	h) Microgravity Sciences and Technology	Oral	C000605	On Coherent Dynamic Structures of Oscillatory Thermal Convection in Liquid Bridges due to Free Surface Heat Gain under Microgravity	Professor, Department of Mechanical Engineering, Refrigeration and Air conditioning Lab, Indian Institute of Technology Madras, India, 600036	Shaligram	Tiwari
h-3	Fluid Science	The medium Meeting Room3 4F	Jun.8/Thu.	14:00	15:20	14:40	15:00	h) Microgravity Sciences and Technology	Oral	C000592	Gravity Effects on Bubble Behaviour during Electrolysis for Water Purification	Japan Aerospace Exploration Agency	Satoshi	Matsumoto

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter		
				Start	end	Start	end								
h-3	Fluid Science	The medium Meeting Room3 4F	Jun.8/Thu.	14:00	15:20	15:00	15:20	h) Microgravity Sciences and Technology	Oral	C000235	Multiphase mixture model for simulation of melting and permeation process of lunar regolith for production of exterior walls	Tokyo City University	Suguru		Shiratori
h-4	Exploration & Technology	The medium Meeting Room3 4F	Jun.8/Thu.	16:00	17:20	16:00	16:20	h) Microgravity Sciences and Technology	Oral	C000544	Dynamics Analysis of Throw-and-Catch Sample Transfer for Deep Space Sample Return Mission	The University of Tokyo	Yuto		Nakagawa
h-4	Exploration & Technology	The medium Meeting Room3 4F	Jun.8/Thu.	16:00	17:20	16:20	16:40	h) Microgravity Sciences and Technology	Oral	C000349	Compensator in Large Deployable Structure for Space Using Mecanum Wheel	Division of Mechanics, Graduate School of Integrative Science and Engineering, Tokyo City University	Takumi		Yamada
h-4	Exploration & Technology	The medium Meeting Room3 4F	Jun.8/Thu.	16:00	17:20	16:40	17:00	h) Microgravity Sciences and Technology	Oral	C000545	An innovative wearless Attitude Control Actuator based on Ferrofluid Manipulation to be tested on the ISS	Institute of Space Systems University of Stuttgart	Manfred		Ehresmann
h-4	Exploration & Technology	The medium Meeting Room3 4F	Jun.8/Thu.	16:00	17:20	17:00	17:20	h) Microgravity Sciences and Technology	Oral	C000547	Mission Concept and System Design for 0.5U CubeSat Form Factor On-Orbit Experiment Module Adaptable from Nano-ISS to Micro-ISS	1Graduate School of Science and Technology, Teikyo University	Shuma		Sugimoto
i-1	Thermal Control	The small meeting room 4F-1-2	Jun.7/Wed	9:00	10:40	9:00	9:20	i) Thermal Control	Oral	C000509	Data-driven reduced-order thermal modeling and sensor placement optimization for spacecraft on-board prediction	The University of Tokyo	Tomoki		Nishikawa
i-1	Thermal Control	The small meeting room 4F-1-2	Jun.7/Wed	9:00	10:40	9:20	9:40	i) Thermal Control	Oral	C000436	Thermal design of a small re-entry capsule during re-entry	Tohoku University	Takeshi		Yokouchi
i-1	Thermal Control	The small meeting room 4F-1-2	Jun.7/Wed	9:00	10:40	9:40	10:00	i) Thermal Control	Oral	C000506	Thermal performance of a Heat Pipe with Multiple Condensers Embedded in High Thermal Conductivity CFRP Under Vacuum Condition	The University of Nagoya, Japan	Maho		Yasue
i-1	Thermal Control	The small meeting room 4F-1-2	Jun.7/Wed	9:00	10:40	10:00	10:20	i) Thermal Control	Oral	C000588	Visualization and Void Fraction Measurement of Condensation Flow in Nitrogen-Charged Cryogenic Loop Heat Pipes	The University of Tokyo	Atsuhiko		Gomi
i-2	Thermal Design	The small meeting room 4F-1-2	Jun.7/Wed	11:00	12:40	11:00	11:20	i) Thermal Control	Oral	C000166	The On-orbit Demonstration and the Evaluation of the Thermal Mathematical Models in Multiple Missions of CubeSats Using the Same Bus System	The University of Tokyo	Yuki		Kusano
i-2	Thermal Design	The small meeting room 4F-1-2	Jun.7/Wed	11:00	12:40	11:20	11:40	i) Thermal Control	Oral	C000169	Thermal Design Exploration For Active Phased Array Antennas On Space Deployable Membranes	Tokyo Institute of Technology	Delburg	Panes	Mitchao
i-2	Thermal Design	The small meeting room 4F-1-2	Jun.7/Wed	11:00	12:40	11:40	12:00	i) Thermal Control	Oral	C000352	Verification of Thermal Design Model Using Flight Data for Small Satellite Izanagi with Synthetic Aperture Radar	Hokkaido University	Masaki		Aoi
i-2	Thermal Design	The small meeting room 4F-1-2	Jun.7/Wed	11:00	12:40	12:00	12:20	i) Thermal Control	Oral	C000598	Uncertainty Quantification of Thermal Analysis using POD-PIML Thermal Surrogate Model	Tohoku University	Hiroto		Tanaka
j-1	Space Navigation	The small meeting room 4F-1-2	Jun.9/Fri.	9:00	10:40	9:00	9:20	j) Satellite Communications, Broadcasting and Navigation	Oral	C000133	AI Domain Bounding as a solution to Autonomous Navigation on Robotic platforms in Space	The University of Sydney	Anne		Bettens
j-1	Space Navigation	The small meeting room 4F-1-2	Jun.9/Fri.	9:00	10:40	9:20	9:40	j) Satellite Communications, Broadcasting and Navigation	Oral	C000185	Feasibility Study of an Autonomous Navigation System Using Optical Inter-Satellite Ranging Technology	Japan Aerospace Exploration Agency (JAXA)	Ippei		Takahashi
j-1	Space Navigation	The small meeting room 4F-1-2	Jun.9/Fri.	9:00	10:40	9:40	10:00	j) Satellite Communications, Broadcasting and Navigation	Oral	C000211	Autonomous Orbit Determination for Lunar Satellite Infrastructure in View of Continuity and Assurance	University of Sydney	Joshua	Julian Robert	Critchley-Marrows

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter	
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j-1	Space Navigation	The small meeting room 4F-1-2	Jun.9/Fri.	9:00	10:40	10:00	10:20	j) Satellite Communications, Broadcasting and Navigation	Oral	C000020	GNSS-free relative distance measurement between satellites using software defined radio interferometry	Hitachi, Ltd. Research & Development Group, Center for Exploratory Research	Hisatoshi	Kimura
j-1	Space Navigation	The small meeting room 4F-1-2	Jun.9/Fri.	9:00	10:40	10:20	10:40	j) Satellite Communications, Broadcasting and Navigation	Oral	C000150	The Fault Detection and recovery system based on the Extended Kalman Filter and Radial Basis Function Neural Network	The university of Sydney	XIANLIANG	CHEN
j-2	Propagation	The small meeting room 4F-1-2	Jun.9/Fri.	11:00	12:40	11:00	11:20	j) Satellite Communications, Broadcasting and Navigation	Oral	C000396	Comparison of Shadowing Environments Due to Differences in Urban Structures in Ka-band Mobile Satellite Communications	National Institute of Information and Communications Technology	Tomoshige	Kan
j-2	Propagation	The small meeting room 4F-1-2	Jun.9/Fri.	11:00	12:40	11:20	11:40	j) Satellite Communications, Broadcasting and Navigation	Oral	C000207	Basic study to evaluate the effect of aircraft on the antenna radiation pattern	National Institute of Information and Communications Technology	Takuya	Okura
j-2	Propagation	The small meeting room 4F-1-2	Jun.9/Fri.	11:00	12:40	11:40	12:00	j) Satellite Communications, Broadcasting and Navigation	Oral	C000115	Consideration about communication test using small shield box for nano-satellite	kyutech	Kaito	Shinozaki
j-2	Propagation	The small meeting room 4F-1-2	Jun.9/Fri.	11:00	12:40	12:00	12:20	j) Satellite Communications, Broadcasting and Navigation	Oral	C000517	Measurements and Simulation of Radio Propagation on the Luner Surface	KDDI Research, Inc.	Akira	Akasaka
j-3	Components and Systems	The small meeting room 4F-1-2	Jun.9/Fri.	14:00	15:40	14:00	14:20	j) Satellite Communications, Broadcasting and Navigation	Oral	C000045	DEVELOPMENT OF MMIC FOR THREE DIMENSIONAL PHASED ARRAY ANTENNA	WaveArrays, inc.	Nobuyuki	Kaya
j-3	Components and Systems	The small meeting room 4F-1-2	Jun.9/Fri.	14:00	15:40	14:20	14:40	j) Satellite Communications, Broadcasting and Navigation	Oral	C000566	A Data over Power bus design using WI-FI COTS components	The University of Sydney	Yijun	Huang
j-3	Components and Systems	The small meeting room 4F-1-2	Jun.9/Fri.	14:00	15:40	14:40	15:00	j) Satellite Communications, Broadcasting and Navigation	Oral	C000183	Preliminary Design of X-band Noise-cancelling Receiver Front-end with Radiation-Hardened 130nm SiGe BiCMOS Process for Deep Space Probes	Department of Electrical Engineering and Information Systems Graduate School of Engineering, The University of Tokyo	Sota	Kano
j-3	Components and Systems	The small meeting room 4F-1-2	Jun.9/Fri.	14:00	15:40	15:00	15:20	j) Satellite Communications, Broadcasting and Navigation	Oral	C000188	Packet transmission experiment in the 430 MHz band using the KOSEN-1 satellite	National Institute of Technology, Kagawa Collage	Ayumu	Takeuchi
j-3	Components and Systems	The small meeting room 4F-1-2	Jun.9/Fri.	14:00	15:40	15:20	15:40	j) Satellite Communications, Broadcasting and Navigation	Oral	C000013	A Highly Reliable Key Synchronization Framework in Information Theoretically Secure Wireless Communication for Small Spacecrafts	Interstellar Technologies Inc.	Sumio	Morioka
j-4	Systems	The small meeting room 4F-1-2	Jun.9/Fri.	16:00	17:40	16:00	16:20	j) Satellite Communications, Broadcasting and Navigation	Oral	C000215	Investigation of pointing technology for deep space optical communication downlink	Tokai University	Tatsuki	Ikeuchi
j-4	Systems	The small meeting room 4F-1-2	Jun.9/Fri.	16:00	17:40	16:20	16:40	j) Satellite Communications, Broadcasting and Navigation	Oral	C000023	A Study of Adaptive Coding and Modulation Scheme suitable for Flexible Satellite Communication System	National Institute of Information and Communications Technology	Mitsugu	Ohkawa
j-4	Systems	The small meeting room 4F-1-2	Jun.9/Fri.	16:00	17:40	16:40	17:00	j) Satellite Communications, Broadcasting and Navigation	Oral	C000236	A Study on the Effect of Improving Data Rates by Adaptive Coding and Modulation for High-Throughput Satellite in Time-Varying Communication Environments	Meiji University	Takahiro	Ebihara
j-4	Systems	The small meeting room 4F-1-2	Jun.9/Fri.	16:00	17:40	17:00	17:20	j) Satellite Communications, Broadcasting and Navigation	Oral	C000558	SDR-based Ground Station Development by 2m-class Parabola Antenna	Teikyo University	Yoshihiro	Tsuruda
j-4	Systems	The small meeting room 4F-1-2	Jun.9/Fri.	16:00	17:40	17:20	17:40	j) Satellite Communications, Broadcasting and Navigation	Oral	C000025	First Prototype and Demonstration of Disasters Early Warning System in Thailand By Using Quasi-Zenith Satellite System	King Mongkut's Institute of Technology Ladkrabang	Peeramed	Chodkaveekityada

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k-1	ISS and Future Human Space Mission and their Technologies	The medium Meeting Room3 4F	Jun.7/Wed	16:00	17:00	16:00	16:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000366	Director for System Technolgy Unit, JAXA Space Exploration Center	JAXA	Naoki Sato
k-1	ISS and Future Human Space Mission and their Technologies	The medium Meeting Room3 4F	Jun.7/Wed	16:00	17:00	16:20	16:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000017	Wireless Compose-2: Experiment Results of an Ultra-Wideband Wireless Sensor Network with a Ballistocardiography Smart-Shirt for the ISS Columbus Laboratory	German Aerospace Cente (DLR)	Andre Luebken
k-1	ISS and Future Human Space Mission and their Technologies	The medium Meeting Room3 4F	Jun.7/Wed	16:00	17:00	16:40	17:00	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000264	Flexible Extruder Design for Space-based 3D Printing Repair	The University of Sydney	Jianning Tang
k-2	Lunar Surface Environment and Related Technologies	The small meeting room 4F-1-2	Jun.8/Thu.	9:00	10:40	9:00	9:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000594	Telerobotic Universal Xcavator - TUX	Xtraordinary Innovative Space Partnerships, Inc. (XISP-Inc)	Gary Pearce Barnhard
k-2	Lunar Surface Environment and Related Technologies	The small meeting room 4F-1-2	Jun.8/Thu.	9:00	10:40	9:20	9:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000189	Path Planning with Cable-obstacles Avoidance for a Tethered Mobile Robot in Unstructured Environments	Keio University	Ryuki Shimada
k-2	Lunar Surface Environment and Related Technologies	The small meeting room 4F-1-2	Jun.8/Thu.	9:00	10:40	9:40	10:00	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000102	Introduction of Tottori Sand Dunes Lunarization Project	amulapo, Inc.	Daisuke Suzuki
k-2	Lunar Surface Environment and Related Technologies	The small meeting room 4F-1-2	Jun.8/Thu.	9:00	10:40	10:00	10:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000114	Evaluation of Topography and Sand Mechanics in Tottori Sand Dunes and Moon	Tohoku University	Keisuke Takehana
k-2	Lunar Surface Environment and Related Technologies	The small meeting room 4F-1-2	Jun.8/Thu.	9:00	10:40	10:20	10:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000405	Electrodynamic Dust Shield for Cleaning Lunar Regolith under the Effect of Vibration	Kyoto University	Masato Adachi
k-3	Lunar Resources and their Utilizations	The small meeting room 4F-1-2	Jun.8/Thu.	11:00	12:40	11:00	11:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000149	Granular Vibration Pumping System for Transporting Lunar Regolith	Kyoto University	Kenta Shirode
k-3	Lunar Resources and their Utilizations	The small meeting room 4F-1-2	Jun.8/Thu.	11:00	12:40	11:20	11:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000155	Capture and Delivery Technologies of Water Ice on Moon	Waseda University	Hiroyuki Kawamoto
k-3	Lunar Resources and their Utilizations	The small meeting room 4F-1-2	Jun.8/Thu.	11:00	12:40	11:40	12:00	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000615	Magmatic water on the Moon observed by SELENE	The Graduate University of Advanced Studies	Kosei Toyokawa
k-3	Lunar Resources and their Utilizations	The small meeting room 4F-1-2	Jun.8/Thu.	11:00	12:40	12:00	12:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000022	Oxygen Generation from Metal Oxides by Molten Salt Electrolysis using Oxide Electrode	Doshisha Univeristy	Seiya Tanaka
k-3	Lunar Resources and their Utilizations	The small meeting room 4F-1-2	Jun.8/Thu.	11:00	12:40	12:20	12:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000602	Lunar Energy Requirements and Opportunities for Space Solar Power to Meet the Needs of Future Activities	Artemis Innovation Management Solutions LLC	John Carlton MANKINS
k-4	Lunar Subsurface Exploration and Utilizations	The small meeting room 4F-1-2	Jun.8/Thu.	14:00	15:40	14:00	14:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000617	Mission Goals and Objectives of UZUME	Japan Aerospace Exploration Agency	Junichi Haruyama
k-4	Lunar Subsurface Exploration and Utilizations	The small meeting room 4F-1-2	Jun.8/Thu.	14:00	15:40	14:20	14:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000616	Light Environment Estimation for a Lunar Subsurface Cavern with a Skylight Hole	Tokai University	Kodai Ikeya
k-4	Lunar Subsurface Exploration and Utilizations	The small meeting room 4F-1-2	Jun.8/Thu.	14:00	15:40	14:40	15:00	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000610	Subsurface Structure of Mare Tranquillitatis Revealed by SELENE/LRS	The Graduate University for Advanced Studies	Hitoshi Nozawa
k-4	Lunar Subsurface Exploration and Utilizations	The small meeting room 4F-1-2	Jun.8/Thu.	14:00	15:40	15:00	15:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000448	Flexible Propulsion Module Using Braid Mechanism for Lunar Underground Exploration Earthworm-type Excavation Robot	Precision Mechanics, Chuo University	Chikage Fujikawa

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k-4	Lunar Subsurface Exploration and Utilizations	The small meeting room 4F-1-2	Jun.8/Thu.	14:00	15:40	15:20	15:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000614	A Study to Realize a Low-frequency Radio Interferometer with the Maximum Baseline of over 100 km	Institute of Space and Astronautical Science, JAXA	Takahiro	Iwata
k-5	Explorations for Mars and its Moons	The small meeting room 4F-1-2	Jun.8/Thu.	16:00	17:20	16:00	16:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000040	NASA Capture, Contain, and Return System (CCRS): Bringing Mars Samples to Earth	NASA Goddard Space Flight Center	Bruno	Sarli
k-5	Explorations for Mars and its Moons	The small meeting room 4F-1-2	Jun.8/Thu.	16:00	17:40	16:20	16:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000061	Entry, Descent, and Landing for NASA Robotic Mars Sample Return	NASA Jet Propulsion Laboratory	Marcus	Lobbia
k-5	Explorations for Mars and its Moons	The small meeting room 4F-1-2	Jun.8/Thu.	16:00	17:20	16:20	16:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000596	Martian Moons eXploration (MMX) Overview and Development Status	Japan Aerospace Exploration Agency	Yasuhiro	Kawakatsu
k-5	Explorations for Mars and its Moons	The small meeting room 4F-1-2	Jun.8/Thu.	16:00	17:20	16:40	17:00	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000096	Engineering Model of Circum-Martian Dust Monitor to be aboard MMX	Chiba Institute of Technology	Masanori	Kobayashi
k-5	Explorations for Mars and its Moons	The small meeting room 4F-1-2	Jun.8/Thu.	16:00	17:20	17:00	17:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000435	Planetary Protection Implementation Status of Martian Moons Exploration (MMX)	JAXA	Kazuhisa	Fujita
k-6	Deep Space Sciences and Technologies	The medium Meeting Room3 4F	Jun.9/Fri.	9:00	10:40	9:00	9:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000048	Apophis Mass Distribution Estimation Across its Flyby	University of Colorado Boulder	Daniel J	Scheeres
k-6	Deep Space Sciences and Technologies	The medium Meeting Room3 4F	Jun.9/Fri.	9:00	10:40	9:20	9:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000609	Space weathering simulation with UV irradiation - rapid changes of reflectance spectra	Osaka University	Sho	Sasaki
k-6	Deep Space Sciences and Technologies	The medium Meeting Room3 4F	Jun.9/Fri.	9:00	10:40	9:40	10:00	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000626	Thermophysical Model Development for Hera Mission to Simulate Non-Gravitational Acceleration on Binary Asteroid	The University of Tokyo	Masanori	Kanamaru
k-6	Deep Space Sciences and Technologies	The medium Meeting Room3 4F	Jun.9/Fri.	9:00	10:40	10:00	10:20	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000581	Storable Delta Docking Mechanism for Deep Space Rendezvous-Docking Missions	Japan Aerospace Exploration Agency	Yuto	Takei
k-6	Deep Space Sciences and Technologies	The medium Meeting Room3 4F	Jun.9/Fri.	9:00	10:40	10:20	10:40	k) Science and Technology for Human and Robotic Space Exploration	Oral	C000516	Development of a prototype autonomous underwater vehicle with a thermal drilling and wireless communication system for icy moon	National Institute of Technology, Gifu College	Masafumi	Edamoto
m-1	Flight experiment using scientific balloon and sounding rocket	The medium Meeting Room 1 4F	Jun.9/Fri.	9:00	10:20	9:00	9:20	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000406	The Analysis of Flight Trajectory of S-520-RD1	Japan Aerospace Exploration Agency	Kouichiro	Tani
m-1	Flight experiment using scientific balloon and sounding rocket	The medium Meeting Room 1 4F	Jun.9/Fri.	9:00	10:20	9:20	9:40	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000407	Development and Flight Test Results of Guidance Control System for S-520-RD1	IHI AEROSPACE Co., Ltd.	Satoshi	Hirakida
m-1	Flight experiment using scientific balloon and sounding rocket	The medium Meeting Room 1 4F	Jun.9/Fri.	9:00	10:20	9:40	10:00	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000518	The challenge of in-space demonstration of a cylindrical rotating detonation using liquid propellants by a sounding rocket S-520 launching	Nagoya University	Noboru	Itouyama
m-1	Flight experiment using scientific balloon and sounding rocket	The medium Meeting Room 1 4F	Jun.9/Fri.	9:00	10:20	10:00	10:20	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000590	The Overview of the equipped systems in the Medium-class Stratospheric Balloon to Capture the Scenery of the Earth with a Flame	Tokyo University	Natsuki	Matsuoka
m-2	Research and development related to balloon flight test system	The medium Meeting Room 1 4F	Jun.9/Fri.	11:00	12:20	11:00	11:20	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000179	Operation Concept of the GAPS Thermal Control System	JAXA	Hideyuki	Fuke
m-2	Research and development related to balloon flight test system	The medium Meeting Room 1 4F	Jun.9/Fri.	11:00	12:20	11:20	11:40	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000278	Balloon Flight Tests of Low-Temperature Radiator	Japan Aerospace Exploration Agency	Shun	Okazaki
m-2	Research and development related to balloon flight test system	The medium Meeting Room 1 4F	Jun.9/Fri.	11:00	12:20	11:40	12:00	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000576	Development and Evaluation of the Pointing System for the Balloon-born Telescope FUJIN-2	Kanazawa University	Yasuhiro	Shoji

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m-2	Research and development related to balloon flight test system	The medium Meeting Room 1 4F	Jun.9/Fri.	11:00	12:20	12:00	12:20	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000401	Flight Performance of Super-Pressure Balloons for LODEWAVE	Japan Aerospace Exploration Agency	Yoshitaka	Saito
m-3	Basic technologies to support small flight vehicle experiments	The medium Meeting Room 1 4F	Jun.9/Fri.	14:00	15:40	14:00	14:20	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000216	Pre-study in Selection of Taiwan's National Launch Site	National Space Orgainzation	Kun-Chang	Tseng
m-3	Basic technologies to support small flight vehicle experiments	The medium Meeting Room 1 4F	Jun.9/Fri.	14:00	15:40	14:20	14:40	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000306	Pointing Error Calibration of Balloon Tracking Antennas using the NOAA satellite	JAXA	Masahiro	Yamatani
m-3	Basic technologies to support small flight vehicle experiments	The medium Meeting Room 1 4F	Jun.9/Fri.	14:00	15:40	14:40	15:00	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000208	Development of a Flight Control Simulator for Balloon Operations	Japan Aerospace Exploration Agency	Yoshitaka	Mizumura
m-3	Basic technologies to support small flight vehicle experiments	The medium Meeting Room 1 4F	Jun.9/Fri.	14:00	15:40	15:00	15:20	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000014	Development and Operation of Ground Air-Conditioning System for Sounding Rocket	Japan Aerospace Exploration Agency	Tatsushi	Isono
m-3	Basic technologies to support small flight vehicle experiments	The medium Meeting Room 1 4F	Jun.9/Fri.	14:00	15:40	15:20	15:40	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000143	Development of a Reusable Suborbital Vehicle	IHI AEROSPACE CO.,LTD.	Taku	Hamasaki
m-4	Development of onboard device for flight experiments	The medium Meeting Room 1 4F	Jun.9/Fri.	16:00	17:20	16:00	16:20	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000246	A design of pressure gauge for sounding rocket experiment	Kobe Universuty	Rintaro	Atsuta
m-4	Development of onboard device for flight experiments	The medium Meeting Room 1 4F	Jun.9/Fri.	16:00	17:20	16:20	16:40	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000301	Atmospheric Density Measurement by Dynamic Pressure Gauge aboard S-520-32 Sounding Rocket	Kobe University	Taiga	Adachi
m-4	Development of onboard device for flight experiments	The medium Meeting Room 1 4F	Jun.9/Fri.	16:00	17:20	16:40	17:00	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000345	Research and Development of Flight Measurement System for Free Flight Experiments	JAXA	Hiroki	Takayanagi
m-4	Development of onboard device for flight experiments	The medium Meeting Room 1 4F	Jun.9/Fri.	16:00	17:20	17:00	17:20	m) Sounding Rocket, Balloon and Flight Experiment using Small Flight Vehicle	Oral	C000479	Development Study of Parachute Ejection System using Gas Generator	Japan Aerospace Exploration Agency	Yusuke	Maru
n-1	ALOS-2 and Future Missions	The medium Meeting Room3 4F	Jun.5/Mon.	16:00	17:40	16:00	16:20	n) Earth Observation	Oral	C000012	ALOS-2 PPP demonstration projects overview	JAXA	Shinichi	Sobue
n-1	ALOS-2 and Future Missions	The medium Meeting Room3 4F	Jun.5/Mon.	16:00	17:40	16:20	16:40	n) Earth Observation	Oral	C000271	ALOS-4 Development Status	JAXA	Yohei	Kojima
n-1	ALOS-2 and Future Missions	The medium Meeting Room3 4F	Jun.5/Mon.	16:00	17:40	16:40	17:00	n) Earth Observation	Oral	C000032	SAR System Design of ALOS-4	Mitsubishi Electric Corporation	Masanobu	Shibata
n-1	ALOS-2 and Future Missions	The medium Meeting Room3 4F	Jun.5/Mon.	16:00	17:40	17:00	17:20	n) Earth Observation	Oral	C000272	Concept study on ALOS-4 follow-on mission with L-band SAR and AIS	JAXA	Yohei	Kojima
n-1	ALOS-2 and Future Missions	The medium Meeting Room3 4F	Jun.5/Mon.	16:00	17:40	17:20	17:40	n) Earth Observation	Oral	C000326	Development status of spaceborne lidar MOLI	JAXA	Tadashi	Imai
n-2	ALOS-2 Applications and Disaster Mitigations	The medium Meeting Room3 4F	Jun.6/Tus.	9:00	10:40	9:00	9:20	n) Earth Observation	Oral	C000608	Generation and Public Release of ALOS-2/PALSAR-2 CARD4L Compliance Product	JAXA	Takeo	Tadono
n-2	ALOS-2 Applications and Disaster Mitigations	The medium Meeting Room3 4F	Jun.6/Tus.	9:00	10:40	9:20	9:40	n) Earth Observation	Oral	C000454	ALOS-2's Ground-Breaking Contributions to Sustainable Development Goals - Making Operational Early Warning and Near	JAXA	Christian	Koyama

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n-2	ALOS-2 Applications and Disaster Mitigations	The medium Meeting Room3 4F	Jun.6/Tus.	9:00	10:40	9:40	10:00	n) Earth Observation	Oral	C000146	Initial Study on Estimation of Surface Soil Moisture in Paddy Fields using the Full Polarization of the Advanced Land Observing Satellite-2 (ALOS-2)	University of Tsukuba	Mio Matsumoto
n-2	ALOS-2 Applications and Disaster Mitigations	The medium Meeting Room3 4F	Jun.6/Tus.	9:00	10:40	10:00	10:20	n) Earth Observation	Oral	C000361	An analysis using an Index Based Method for Relative Soil Moisture Estimation with Sentinel 1 SAR Data for Disaster Mitigation	Yamaguchi University	Arnob Bormudoï
n-2	ALOS-2 Applications and Disaster Mitigations	The medium Meeting Room3 4F	Jun.6/Tus.	9:00	10:40	10:20	10:40	n) Earth Observation	Oral	C000035	Extraction of Topographical Feature Patterns in the Kanto-Koshin Region and Use for Wide-Area Disaster Mitigation	Nihon University	Toshiro Sugimura
n-3	Satellite Data Applications	The medium Meeting Room3 4F	Jun.6/Tus.	11:00	12:40	11:00	11:20	n) Earth Observation	Oral	C000135	Ghost-town and High-Speed Railways: Evidence from Satellite Data	Kyushu University	Sunbin Yoo
n-3	Satellite Data Applications	The medium Meeting Room3 4F	Jun.6/Tus.	11:00	12:40	11:20	11:40	n) Earth Observation	Oral	C000218	Recent Urbanization and Greening in Dammam, Saudi Arabia	Nihon University	Toshiro Sugimura
n-3	Satellite Data Applications	The medium Meeting Room3 4F	Jun.6/Tus.	11:00	12:40	11:40	12:00	n) Earth Observation	Oral	C000356	Onboard Image Classification and Segmentation for Nanosatellites to Detect Water Bodies	Kyushu Institute of Technology	Keenan Alexsei Aamir Chatar
n-3	Satellite Data Applications	The medium Meeting Room3 4F	Jun.6/Tus.	11:00	12:40	12:00	12:20	n) Earth Observation	Oral	C000181	Change detection in optical satellite imagery Based on Transformer-based Siamese Network	Kyushu Institute of Technology	Sackdavong Mangkhaseum
n-3	Satellite Data Applications	The medium Meeting Room3 4F	Jun.6/Tus.	11:00	12:40	12:20	12:40	n) Earth Observation	Oral	C000128	SkyFi – Easifying access to Earth Observation Imagery & Analytic Solutions	SkyFi	Kammy Brun
n-4	GCOM Series	The medium Meeting Room3 4F	Jun.6/Tus.	14:00	15:40	14:00	14:20	n) Earth Observation	Oral	C000144	Current Status and Future Plan of the Global Water Cycle Observation by the Advanced Microwave Scanning Radiometer (AMSR) Series	JAXA	Misako Kachi
n-4	GCOM Series	The medium Meeting Room3 4F	Jun.6/Tus.	14:00	15:40	14:20	14:40	n) Earth Observation	Oral	C000072	Investigation of methods for removing radio frequency interference in low frequency microwave bands	Yamaguchi University Graduate School of Sciences and Technology for Innovation	Yuya Nomo
n-4	GCOM Series	The medium Meeting Room3 4F	Jun.6/Tus.	14:00	15:40	14:40	15:00	n) Earth Observation	Oral	C000101	Development of the polar ice sheet surface melt detection algorithm for GCOM-W/AMSR2	JAXA	Rigen Shimada
n-4	GCOM Series	The medium Meeting Room3 4F	Jun.6/Tus.	14:00	15:40	15:00	15:20	n) Earth Observation	Oral	C000050	How Useful Are the GCOM-C/SGLI Ecological Indices (PRI, NDVI, and LAI)?	JAXA	Tomoko Kawaguchi Akitsu
n-4	GCOM Series	The medium Meeting Room3 4F	Jun.6/Tus.	14:00	15:40	15:20	15:40	n) Earth Observation	Oral	C000145	Evaluation of GCOM-C/SGLI Cloud Product with Spaceborne Cloud Radar and Lidar	JAXA	Toshiyuki Tanaka
n-5	Earth Observation Technologies and Validations	The medium Meeting Room3 4F	Jun.6/Tus.	16:00	17:40	16:00	16:20	n) Earth Observation	Oral	C000619	On-orbit characterization of TANSO-FTS-2 onboard GOSAT-2	JAXA	Junko Kasuya
n-5	Earth Observation Technologies and Validations	The medium Meeting Room3 4F	Jun.6/Tus.	16:00	17:40	16:20	16:40	n) Earth Observation	Oral	C000024	Progress of GNSS Reflectometry Mission in Taiwan	National Space Organization	Yung-Fu Tsai
n-5	Earth Observation Technologies and Validations	The medium Meeting Room3 4F	Jun.6/Tus.	16:00	17:40	16:40	17:00	n) Earth Observation	Oral	C000434	Image matching strategy with other satellite imageries for geostationary Earth observation satellite (2nd report)	JAXA	Yosuke Takeo
n-5	Earth Observation Technologies and Validations	The medium Meeting Room3 4F	Jun.6/Tus.	16:00	17:40	17:00	17:20	n) Earth Observation	Oral	C000383	Improvement of the GSMaP Cloud Moving Vector Using a Tracking Technique of Cloud Clusters	JAXA	Hitoshi Hirose

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter		
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n-5	Earth Observation Technologies and Validations	The medium Meeting Room3 4F	Jun.6/Tus.	16:00	17:40	17:20	17:40	n) Earth Observation	Oral	C000360	Ground Measurements of Atmospheric Properties for Radiometric Validation at YUCARS of Yamaguchi University	Yamaguchi University	Vaibhav	Katiyar	
q-1	Space power technologies	The medium Meeting Room 1 4F	Jun.5/Mon.	16:00	17:40	16:00	16:20	q) Space Power Systems	Oral	C000141	Study on the Optimization of 1U and 3U CubeSats Power Generation with Small Solar Cells	Kyushu Institute of Technology	Hari	Ram	Shrestha
q-1	Space power technologies	The medium Meeting Room 1 4F	Jun.5/Mon.	16:00	17:40	16:20	16:40	q) Space Power Systems	Oral	C000597	Electrical Characterization of Solar Array Panels by Absolute Electroluminescence Intensity	JAXA	Tetsuya	Nakamura	
q-1	Space power technologies	The medium Meeting Room 1 4F	Jun.5/Mon.	16:00	17:40	16:40	17:00	q) Space Power Systems	Oral	C000425	On-orbit Radiation Damage Evaluation Plan for Inverted Metamorphic Triple-junction Solar Cells Onboard DESTINY	JAXA	Hiroyuki	Toyota	
q-2	Technologies related to Solar Power Satellites	The medium Meeting Room 1 4F	Jun.6/Tus.	9:00	10:40	9:00	9:20	q) Space Power Systems	Oral	C000375	Thermal Design of Light Weight Hybrid Structure of Tethered-SPS	Hosei University	Miki	Kaneko	
q-2	Technologies related to Solar Power Satellites	The medium Meeting Room 1 4F	Jun.6/Tus.	9:00	10:40	9:20	9:40	q) Space Power Systems	Oral	C000392	Evaluation of Hybrid Structure combining thin film and bulk part of Solar Power Satellite	Hosei University	Shuji	Higashigawa	
q-2	Technologies related to Solar Power Satellites	The medium Meeting Room 1 4F	Jun.6/Tus.	9:00	10:40	9:40	10:00	q) Space Power Systems	Oral	C000410	Development of Antenna Integrated with Solar Array for Wireless Power Transfer	Tokyo University of Science	Takahiro	Ohnishi	
q-2	Technologies related to Solar Power Satellites	The medium Meeting Room 1 4F	Jun.6/Tus.	9:00	10:40	10:00	10:20	q) Space Power Systems	Oral	C000338	Ground Receiving System and Antenna Pattern Reconstruction Method for SPS Demonstration Satellite	Toyo university	Yoshiyuki	Fujino	
q-2	Technologies related to Solar Power Satellites	The medium Meeting Room 1 4F	Jun.6/Tus.	9:00	10:40	10:20	10:40	q) Space Power Systems	Oral	C000059	Distance Simulation Method for Space Applications of Laser Wireless Power Transfer	United States Naval Academy	Richard	Alexander	Romano
q-3	Solar Power Satellite	The medium Meeting Room 1 4F	Jun.6/Tus.	11:00	12:40	11:00	11:20	q) Space Power Systems	Oral	C000601	Space Solar Power for Earth: Recent Advances in International Efforts	Artemis Innovation Management Solutions LLC	John	Carlton	MANKINS
q-3	Solar Power Satellite	The medium Meeting Room 1 4F	Jun.6/Tus.	11:00	12:40	11:20	11:40	q) Space Power Systems	Oral	C000397	Dual-Use Platform in Equatorial Orbit for European SPS Programmes	Astrostrom GmbH	Arthur	Woods	
q-3	Solar Power Satellite	The medium Meeting Room 1 4F	Jun.6/Tus.	11:00	12:40	11:40	12:00	q) Space Power Systems	Oral	C000016	Investigation of waste heat recovery for a ground site of Space Solar Power Systems	Hitachi. Ltd	Makoto	Ito	
q-3	Solar Power Satellite	The medium Meeting Room 1 4F	Jun.6/Tus.	11:00	12:40	12:00	12:20	q) Space Power Systems	Oral	C000051	Analysis of the Microwave Wireless Power Transfer Efficiency of a Furoshiki Space Solar Power Station in Geostationary Orbit	The University of Tokyo	Charleston [Macutay	Ambatali	
q-3	Solar Power Satellite	The medium Meeting Room 1 4F	Jun.6/Tus.	11:00	12:40	12:20	12:40	q) Space Power Systems	Oral	C000317	The Outline and the Current Status of the Power Transmission System Development Project for the Realization of the SSPS	Japan Space Systems	Hiroki	Yanagawa	
q-4	Power System on the Moon	The medium Meeting Room 1 4F	Jun.6/Tus.	14:00	15:40	14:00	14:20	q) Space Power Systems	Oral	C000491	Energy supply and hydrogen/oxygen utilization system on the moon	Mitsubishi Research Institute, Inc.	ATSUSHI	UCHIDA	
q-4	Power System on the Moon	The medium Meeting Room 1 4F	Jun.6/Tus.	14:00	15:40	14:20	14:40	q) Space Power Systems	Oral	C000432	Introduction of the Electrical Power System Study for the Moon Base Human Activities	Japan Space Systems	Koichi	Ijichi	
q-4	Power System on the Moon	The medium Meeting Room 1 4F	Jun.6/Tus.	14:00	15:40	14:40	15:00	q) Space Power Systems	Oral	C000586	Solar Power System on the Moon	Obayashi Corporation	Yoshihiro	Kawakami	

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q-4	Power System on the Moon	The medium Meeting Room 1 4F	Jun.6/Tus.	14:00	15:40	15:00	15:20	q) Space Power Systems	Oral	C000333	Laser Power Transmission on the Moon Using Multibeam of Single-Mode Fiber Lasers as Wireless and Optical Fibers as Wired	The Graduate School for the Creation of New Photonics Industries	Kazuhisa	Fujita
q-4	Power System on the Moon	The medium Meeting Room 1 4F	Jun.6/Tus.	14:00	15:40	15:20	15:40	q) Space Power Systems	Oral	C000456	Feasibility Study on Microwave Power Transmission System Deployed on the Moon Surface	Japan Space Systems	Koichi	Ijichi
q-5	Energy System for Lunar	The medium Meeting Room 1 4F	Jun.6/Tus.	16:00	17:40	16:00	16:20	q) Space Power Systems	Oral	C000393	Wireless Power Transmission System from Lunar Orbit	JAXA	Koji	Tanaka
q-5	Energy System for Lunar	The medium Meeting Room 1 4F	Jun.6/Tus.	16:00	17:40	16:20	16:40	q) Space Power Systems	Oral	C000057	Freezing through the Lunar Night: A Power System Concept for Small Lunar Experiments to Survive Multiple Day/Night Transitions	German Aerospace Centre (DLR e.V.)	Niklas	Aksteiner
q-5	Energy System for Lunar	The medium Meeting Room 1 4F	Jun.6/Tus.	16:00	17:40	16:40	17:00	q) Space Power Systems	Oral	C000593	End-to-End Frequency Agnostic Remote Power and Ancillary Services: Genesis of the Lunar Power & Light Company	Xtraordinary Innovative Space Partnerships, Inc. (XISP-Inc)	Gary	Pearce Barnhard
r-1	Space debris, Observation, Modelling	The large Meeting Room 3 5F	Jun.8/Thu.	14:00	15:40	14:00	14:20	r) Space Environment and Debris	Oral	C000148	Feasibility and Performance of the CROSS Star Tracker for Resident Space Object Detection.	University of Sydney	Julian	Guinane
r-1	Space debris, Observation, Modelling	The large Meeting Room 3 5F	Jun.8/Thu.	14:00	15:40	14:20	14:40	r) Space Environment and Debris	Oral	C000038	Attitude Motion Estimation based on Particle Swarm Optimization by SLR data	Japan Aerospace Exploration Agency	Yuki	Akiyama
r-1	Space debris, Observation, Modelling	The large Meeting Room 3 5F	Jun.8/Thu.	14:00	15:40	14:40	15:00	r) Space Environment and Debris	Oral	C000085	Orbit Prediction Capability Using PATHFINDER Density Model and Future Update	Japan Aerospace Exploration Agency	Hideaki	Hinagawa
r-1	Space debris, Observation, Modelling	The large Meeting Room 3 5F	Jun.8/Thu.	14:00	15:40	15:00	15:20	r) Space Environment and Debris	Oral	C000193	Update of NEODEEM the Near-earth Orbit Debris Environmental Evolution Model	Kyushu University	Toshiya	Hanada
r-1	Space debris, Observation, Modelling	The large Meeting Room 3 5F	Jun.8/Thu.	14:00	15:40	15:20	15:40	r) Space Environment and Debris	Oral	C000531	Area-to-mass Ratio Distribution Modeling using Bayesian Hierarchical Model	Nippon Bunri University	Yuya	Ariyoshi
r-2	Space debris, Protection, Hypervelocity impact, Mitigation	The large Meeting Room 3 5F	Jun.8/Thu.	16:00	17:40	16:00	16:20	r) Space Environment and Debris	Oral	C000221	Effects of Electron Beam on Hypervelocity Impact Behavior of Anti-atomic Oxygen Coating/Polyimide CFRP	Nagoya Institute of Technology	Masahiro	Nishida
r-2	Space debris, Protection, Hypervelocity impact, Mitigation	The large Meeting Room 3 5F	Jun.8/Thu.	16:00	17:40	16:20	16:40	r) Space Environment and Debris	Oral	C000417	Characteristics of Ejecta Resulting from Hypervelocity Impact on Al/Mg Explosion Welding Clad Materials	Nagoya Institute of Technology	Ziyi	Su
r-2	Space debris, Protection, Hypervelocity impact, Mitigation	The large Meeting Room 3 5F	Jun.8/Thu.	16:00	17:40	16:40	17:00	r) Space Environment and Debris	Oral	C000195	Investigation into Fragmentation of the Russian EKRA 2 Spacecraft	Kumamoto University	Nagisa	Inokuchi
r-2	Space debris, Protection, Hypervelocity impact, Mitigation	The large Meeting Room 3 5F	Jun.8/Thu.	16:00	17:40	17:00	17:20	r) Space Environment and Debris	Oral	C000490	Mitigation and Evaluation of Slag Generated from Solid Rocket Motors in Japan	JAXA	Masahiro	Kinoshita
r-2	Space debris, Protection, Hypervelocity impact, Mitigation	The large Meeting Room 3 5F	Jun.8/Thu.	16:00	17:40	17:20	17:40	r) Space Environment and Debris	Oral	C000231	Examination of the Taxation Mechanism on Space Debris for Space Environment Protection	Ritsumeikan University	Nobuaki	Minato
r-3	Space debris, Re-entry, ADR	The large Meeting Room 3 5F	Jun.9/Fri.	9:00	10:20	9:00	9:20	r) Space Environment and Debris	Oral	C000502	Demise Instrumentation Verification of the CubeSat SOURCE with Plasma Wind Tunnel Experiments	University of Stuttgart, Institute of Space Systems	Daniel	Galla
r-3	Space debris, Re-entry, ADR	The large Meeting Room 3 5F	Jun.9/Fri.	9:00	10:20	9:20	9:40	r) Space Environment and Debris	Oral	C000428	Trajectory Optimization for Space Debris Re-entry Considering Land Security by Evolutionary Algorithm	Tokyo Metropolitan University	Takeharu	Toyoda

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r-3	Space debris, Re-entry, ADR	The large Meeting Room 3 5F	Jun.9/Fri.	9:00	10:20	9:40	10:00	r) Space Environment and Debris	Oral	C000033	Design of a Variable Stiffness Soft Gripper for On-orbit Grasping of Tumbling Objects	Tokyo Metropolitan University	Alfredo Puente-Flores
r-3	Space debris, Re-entry, ADR	The large Meeting Room 3 5F	Jun.9/Fri.	9:00	10:20	10:00	10:20	r) Space Environment and Debris	Oral	C000400	A Study of Adaptive Capture Mechanism Based on Thigmotropism of Vine for Capturing Non-Cooperative Target	Tokyo Institute of Technology	Kenichiro Takahashi
r-4	Space debris, ADR	The large Meeting Room 3 5F	Jun.9/Fri.	11:00	12:20	11:00	11:20	r) Space Environment and Debris	Oral	C000138	Impact of Debris Initial Distance Position on Net Contact and Capture	Tokyo Metropolitan University	Andry Renaldy Pandie
r-4	Space debris, ADR	The large Meeting Room 3 5F	Jun.9/Fri.	11:00	12:20	11:20	11:40	r) Space Environment and Debris	Oral	C000134	Multi-Objective Optimization for Effective Debris Detumbling Using Laser Ablation via Surrogate-Assisted Evolutionary Algorithms	Kyushu Univ. Department of Aeronautics and Astronautics	Midori Takezaki
r-4	Space debris, ADR	The large Meeting Room 3 5F	Jun.9/Fri.	11:00	12:20	11:40	12:00	r) Space Environment and Debris	Oral	C000551	Laser Ablation Propulsion Potential of Common Orbital Debris Metals	Saint Cloud State University	Brian Davis
r-4	Space debris, ADR	The large Meeting Room 3 5F	Jun.9/Fri.	11:00	12:20	12:00	12:20	r) Space Environment and Debris	Oral	C000213	Stochastic Analysis of Survivability of Triple Net Tether	Akita University	Hiroshi Hirayama
r-5	Space environment	The large Meeting Room 3 5F	Jun.9/Fri.	14:00	15:20	14:00	14:20	r) Space Environment and Debris	Oral	C000226	Ground Experiments and Hydrocode Simulations for Verifying Hypervelocity Microparticle Impact Mesurements on the First Smart MLI Sensors in Space	The graduate school of Hosei University	Shoya Iwata
r-5	Space environment	The large Meeting Room 3 5F	Jun.9/Fri.	14:00	15:20	14:20	14:40	r) Space Environment and Debris	Oral	C000567	MAPPING THE COSMIC DUST DISTRIBUTION ACROSS THE EARTH-MOON REGION FOR THE PAYANKEU MISSION	IPSA	Simon Maillot
r-5	Space environment	The large Meeting Room 3 5F	Jun.9/Fri.	14:00	15:20	14:40	15:00	r) Space Environment and Debris	Oral	C000313	Development of a Quick Estimation Method of Geosynchronous Satellites Surface Potential by Charging Analysis Tool for Charging Alert System	Osaka Metropolitan University	Ayane Yamamoto
r-5	Space environment	The large Meeting Room 3 5F	Jun.9/Fri.	14:00	15:20	15:00	15:20	r) Space Environment and Debris	Oral	C000574	Solar Neutron and Gamma-ray Spectrometer (SONGS)	Nagoya University	Kazutaka Yamaoka Yamaoka
t-1	Satellite System Design and Data Application	Stadio 4F-2	Jun.5/Mon.	16:00	17:00	16:00	16:20	t) Systems Engineering and Information Technology	Oral	C000321	Opportunities with Causal Representation Learning for Spacecraft Applications	University of Tokyo	Samir Khan
t-1	Satellite System Design and Data Application	Stadio 4F-2	Jun.5/Mon.	16:00	17:00	16:20	16:40	t) Systems Engineering and Information Technology	Oral	C000358	Value Creation Based on Sand Observation Using Satellites	Mitsubishi Electric Corporation	Masanori Kawamura
t-1	Satellite System Design and Data Application	Stadio 4F-2	Jun.5/Mon.	16:00	17:00	16:40	17:00	t) Systems Engineering and Information Technology	Oral	C000577	Practical Application and Evaluation of System Complexity Index in the Development Process of Nano-Satellites	Tokyo Institute of Technology	Motoki Moritani
t-2	Satellite Operations Management	Stadio 4F-2	Jun.6/Tus.	9:40	10:40	9:40	10:00	t) Systems Engineering and Information Technology	Oral	C000176	FDIR Design and Implementation to Manage Complex Missions and Reduce Operational Effort	Intelligent Space Systems Laboratory, Department of Aeronautics and Astronautics, The University of Tokyo	Yutaro Ito
t-2	Satellite Operations Management	Stadio 4F-2	Jun.6/Tus.	9:40	10:40	10:00	10:20	t) Systems Engineering and Information Technology	Oral	C000270	Operation Plan Management System (OPMS): Software for the Safe Operations of Satellites	The University of Tokyo	Shunichiro Nomura
t-2	Satellite Operations Management	Stadio 4F-2	Jun.6/Tus.	9:40	10:40	10:20	10:40	t) Systems Engineering and Information Technology	Oral	C000282	Automatic Scheduling System for SAR Satellite Constellation	Researcher, Institute for Q-shu Pioneers of Space, Inc.	Shadman Sakib
t-3	Systems Engineering for Satellite Design	Stadio 4F-2	Jun.6/Tus.	11:00	12:20	11:00	11:20	t) Systems Engineering and Information Technology	Oral	C000082	Demonstration of Round-trip Engineering between Capella System Model and Low-Level Electronics Design for Avionic Power Controllers	Institute of Space Systems, German Aerospace Center (DLR), Bremen, Germany	Janis Sebastian Häseker

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t-3	Systems Engineering for Satellite Design	Stadio 4F-2	Jun.6/Tus.	11:00	12:20	11:20	11:40	t) Systems Engineering and Information Technology	Oral	C000100	Challenge of applying model-based development to attitude control design in large-scale and complex systems	Mitsubishi Electric Corporation	Daisuke	Toyama
t-3	Systems Engineering for Satellite Design	Stadio 4F-2	Jun.6/Tus.	11:00	12:20	11:40	12:00	t) Systems Engineering and Information Technology	Oral	C000132	Investigation of Software Defined Architecture for Aerospace Systems	Mitsubishi Electric Corporation	Takeyuki	Tsurusaki
t-3	Systems Engineering for Satellite Design	Stadio 4F-2	Jun.6/Tus.	11:00	12:20	12:00	12:20	t) Systems Engineering and Information Technology	Oral	C000153	Replenishment Cost Assessment and Optimization Based on Analysis of Space System Characteristics	Academy of Military Science	Qin	Xu
u-1	Space-based training methods for engineers	The small meeting room 4F-1-3	Jun.4/Sun.	11:00	12:20	11:00	11:20	u) Space Education and Outreach for the Benefit of All People	Oral	C000117	Taiwan's Space Talent Cultivation: Strategies and Implementation	Assistant Researcher	Chiao-Ying Jill	Chou
u-1	Space-based training methods for engineers	The small meeting room 4F-1-3	Jun.4/Sun.	11:00	12:20	11:20	11:40	u) Space Education and Outreach for the Benefit of All People	Oral	C000273	The Culture Map: a Useful Tool for Effective Teamworking in Small & Diverse Space Projects?	The University of Tokyo	Maximilien	Berthet
u-1	Space-based training methods for engineers	The small meeting room 4F-1-3	Jun.4/Sun.	11:00	12:20	11:40	12:00	u) Space Education and Outreach for the Benefit of All People	Oral	C000483	Comprehensive Capacity-Building Initiatives and International Contribution through the CubeSat Deployment from ISS, Kibo	JAXA	Tatsuhito	Fujita
u-1	Space-based training methods for engineers	The small meeting room 4F-1-3	Jun.4/Sun.	11:00	12:20	12:00	12:20	u) Space Education and Outreach for the Benefit of All People	Oral	C000625	Effectiveness Verification of the "Edu-tainment" Material for Communication Improvement within Spacecraft Development Team	Yspace inc.,	Akihiro	Iwasaki
u-3	New space technologies for space education	The small meeting room 4F-1-3	Jun.4/Sun.	14:00	15:20	14:00	14:20	u) Space Education and Outreach for the Benefit of All People	Oral	C000606	The development of saccharide fuel Hybrid rocket engine	Hyogo prefectural Sumoto High School	Riichi	Ohta
u-3	New space technologies for space education	The small meeting room 4F-1-3	Jun.4/Sun.	14:00	15:20	14:20	14:40	u) Space Education and Outreach for the Benefit of All People	Oral	C000290	The Design of CubeSat TCU-01	Tokyo Clty University	Seita	Koike
u-3	New space technologies for space education	The small meeting room 4F-1-3	Jun.4/Sun.	14:00	15:20	14:40	15:00	u) Space Education and Outreach for the Benefit of All People	Oral	C000249	Development of a Hybrid Ground Sensor Terminal to Enhance Academic and Research Experience in the Universities Using LoRa and Wi-Fi Modules	Kyushu Institute of Technology	Pema	Zangmo
u-3	New space technologies for space education	The small meeting room 4F-1-3	Jun.4/Sun.	14:00	15:20	15:00	15:20	u) Space Education and Outreach for the Benefit of All People	Oral	C000539	ADOPT PROPEL Project: Localizing Satellite Bus Technology Development in the Philippine Space Agency (PhilSA)	Philippine Space Agency	Julie Ann	Banatao
u-2	Space Education Approaches Using CubeSat	The small meeting room 4F-1-3	Jun.4/Sun.	15:40	17:00	15:40	16:00	u) Space Education and Outreach for the Benefit of All People	Oral	C000165	Educational Practice for Junior High and High School Students Using Materials Simulating CubeSat to Improve the Quality of Interest in Science	Shizuoka University	Hideki	Uchiyama
u-2	Space Education Approaches Using CubeSat	The small meeting room 4F-1-3	Jun.4/Sun.	15:40	17:00	16:00	16:20	u) Space Education and Outreach for the Benefit of All People	Oral	C000225	Practical Space Science Mission Program for Under-graduate students in cooperation of Science and Engineering Faculties	Kyushu Institute of Technology	Kentaro	Kitamura
u-2	Space Education Approaches Using CubeSat	The small meeting room 4F-1-3	Jun.4/Sun.	15:40	17:00	16:20	16:40	u) Space Education and Outreach for the Benefit of All People	Oral	C000457	Development of Space Related Human Resources through Collaboration between Space Academia 2021 and the All KOSEN Space Contest	National Institute of Technology (KOSEN), Niihama College	Makoto	Wakabayashi
u-2	Space Education Approaches Using CubeSat	The small meeting room 4F-1-3	Jun.4/Sun.	15:40	17:00	16:40	17:00	u) Space Education and Outreach for the Benefit of All People	Oral	C000458	Student Experiences Developing an Astropharmacy CubeSat & Cube-Payload Programme	University of Nottingham	Daniel James	Robson
v-1	Space Law, Policy and History	Stadio 4F-2	Jun.6/Tus.	14:00	15:40	14:00	14:20	v) Space Law, Policy and History	Oral	C000511	Japan's Space Policy and the End of the Cold War: To Strengthen the Japan-U.S. Alliance	Osaka University	Hiroataka	Watanabe
v-1	Space Law, Policy and History	Stadio 4F-2	Jun.6/Tus.	14:00	15:40	14:20	14:40	v) Space Law, Policy and History	Oral	C000087	Civilian Space Assets in Russia's Invasion of Ukraine	The National Institute for Defense Studies	Yasuaki	Hashimoto

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter	
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v-1	Space Law, Policy and History	Stadio 4F-2	Jun.6/Tus.	14:00	15:40	14:40	15:00	v) Space Law, Policy and History	Oral	C000104	Formation of Japan's space law	Gakushuin University	Souichirou	Kozuka
v-1	Space Law, Policy and History	Stadio 4F-2	Jun.6/Tus.	14:00	15:40	15:00	15:20	v) Space Law, Policy and History	Oral	C000522	Examination of the Formation Process of Space Law in the Artemis Era	JAXA	Masahiko	Sato
v-1	Space Law, Policy and History	Stadio 4F-2	Jun.6/Tus.	14:00	15:40	15:20	15:40	v) Space Law, Policy and History	Oral	C000026	A Step Towards Sound Space Development – Legislation and Implementation of Taiwan's Space Laws	National Space Organization	Feng-Tai	Hwang
v-2	Space Business and Governance	Stadio 4F-2	Jun.6/Tus.	16:00	17:40	16:00	16:20	v) Space Law, Policy and History	Oral	C000554	Space Investment to Encourage to Sustainable Growth of Space Economy	Space Access Corporation	Misuzu	Onuki
v-2	Space Business and Governance	Stadio 4F-2	Jun.6/Tus.	16:00	17:40	16:20	16:40	v) Space Law, Policy and History	Oral	C000060	Introduction of the JAXA's Basic Policy on the Sustainable Development Goals	JAXA	Ikuko	Kuriyama
v-2	Space Business and Governance	Stadio 4F-2	Jun.6/Tus.	16:00	17:40	16:40	17:00	v) Space Law, Policy and History	Oral	C000381	Information Sharing Framework for Ensuring Safety of On-Orbit Servicing	Mitsubishi Research Institute	Yuki	Kokubo
v-2	Space Business and Governance	Stadio 4F-2	Jun.6/Tus.	16:00	17:40	17:00	17:20	v) Space Law, Policy and History	Oral	C000565	Analysis of the Tendency of Global Space Governance	Keio University	Yangzi	Tao
v-2	Space Business and Governance	Stadio 4F-2	Jun.6/Tus.	16:00	17:40	17:20	17:40	v) Space Law, Policy and History	Oral	C000259	Transition of Open Innovation Systems in the Space Agencies	Ritsumeikan University	Tetsuhito	Fuse
w-1	Quality evalution of COTS and new EEE Parts	Stadio 4F-2	Jun.7/Wed	9:00	10:20	9:00	9:20	w) Safety and Mission Assurance	Oral	C000123	The outline of COTS parts Evaluation in JAXA	JAXA	Hiroaki	Kawara
w-1	Quality evalution of COTS and new EEE Parts	Stadio 4F-2	Jun.7/Wed	9:00	10:20	9:20	9:40	w) Safety and Mission Assurance	Oral	C000028	The latest activities related to the passive parts in JAXA	JAXA	Kensuke	Shiba
w-1	Quality evalution of COTS and new EEE Parts	Stadio 4F-2	Jun.7/Wed	9:00	10:20	9:40	10:00	w) Safety and Mission Assurance	Oral	C000119	Evaluation Method for Space Applicability of COTS Integrated Circuits	JAXA	Shouichi	Terada
w-1	Quality evalution of COTS and new EEE Parts	Stadio 4F-2	Jun.7/Wed	9:00	10:20	10:00	10:20	w) Safety and Mission Assurance	Oral	C000064	Feasibility study on Quality assurance method for “Minimal Fab”	JAXA	Koichi	Morikawa
w-2	Reliability of assembly technology	Stadio 4F-2	Jun.7/Wed	11:00	12:40	11:00	11:20	w) Safety and Mission Assurance	Oral	C000267	High-Speed Signal Characteristics of a Standard Type of the Ceramic BGA Package for Space Application	JAXA	Koichi	Shinozaki
w-2	Reliability of assembly technology	Stadio 4F-2	Jun.7/Wed	11:00	12:40	11:20	11:40	w) Safety and Mission Assurance	Oral	C000196	Study on tin whisker growth and mitigation by conformal coating on-orbit	JAXA	Shinichiro	Ichimaru
w-2	Reliability of assembly technology	Stadio 4F-2	Jun.7/Wed	11:00	12:00	11:40	12:00	w) Safety and Mission Assurance	Oral	C000310	Efforts Regarding Development of Soldering Standards for Space	Safety and Mission Assurance Department	Tsuyoshi	Nakagawa
w-3	Advanced activities of S&MA	Stadio 4F-2	Jun.7/Wed	16:00	17:20	16:00	16:20	w) Safety and Mission Assurance	Oral	C000265	Observations and Findings of Safety Assessment for Development of Space Transportation System: Comparison between the NASA CCP	JAXA	Yoshitsugu	Suzuki
w-3	Advanced activities of S&MA	Stadio 4F-2	Jun.7/Wed	16:00	17:20	16:20	16:40	w) Safety and Mission Assurance	Oral	C000347	Assessment of system safety in terms of risk assessment	Human Space Safety and Mission Assurance Office, JAXA	Ryoji	Kobayashi

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w-3	Advanced actibities of S&MA	Stadio 4F-2	Jun.7/Wed	16:00	17:20	16:40	17:00	w) Safety and Mission Assurance	Oral	C000164	Anomaly Analysis and Application of Lessons Learned from on Orbit Demonstration Missions	JAXA	Tomohisa SUZUKI
w-3	Advanced actibities of S&MA	Stadio 4F-2	Jun.7/Wed	16:00	17:20	17:00	17:20	w) Safety and Mission Assurance	Oral	C000190	Mechanical evaluation activities to ensure design quality of metal additive manufacturing lattice structures for spacecraft weight reduction	JAXA	Masanori Sakaino

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Poster Session

Session	Presentati on format	No.	Title	Affiliations	presenter	
b) Electric and Advanced Propulsion	Poster	C000279	Measurement Evaluation of Rarefied Electric Propulsion Propellant Flow – Static and Dynamic Pressure Distribution–	National Defense Academy	Tsubasa	Ito
b) Electric and Advanced Propulsion	Poster	C000283	Miniaturization of low-power anode layer Hall thruster	student	Akira	Inaba
b) Electric and Advanced Propulsion	Poster	C000286	Ion Energy Distribution Measurement for Miniaturized Low-Power Hall Thrusters	Tokai University	Moe	Otsuka
b) Electric and Advanced Propulsion	Poster	C000288	Evaluation of Hollow Anode Geometries for Miniaturized Low-Power Hall Thrusters	Tokai university	Kenta	Yanagihara
b) Electric and Advanced Propulsion	Poster	C000302	UV-LED Microthruster through Interaction of Ultraviolet Photons and Solid Polymers	Tokai University	Shunsuke	Kodaira
b) Electric and Advanced Propulsion	Poster	C000314	Surface Analysis for Thrust Generation Mechanism through Interaction of Ultraviolet Light-emitting Diodes and Solid Polymers	Tokai University	Takumi	Kobayashi
b) Electric and Advanced Propulsion	Poster	C000343	Development of Heaterless Hollow Cathode for 700 W-class Hall Thrusters	Korea Advanced Institute of Science and Technology, Republic of Korea	Jaejun	Lee
b) Electric and Advanced Propulsion	Poster	C000344	Measurement of Thruster Plume Potential Distribution for 10 cm-class Microwave Discharge Ion Thruster in Laboratory Experiments	Chukyo University	Keisuke	Nakata
b) Electric and Advanced Propulsion	Poster	C000373	Investigation of Interference Mechanisms in Racetrack Anode-layer SBS Operation	Gifu University	Taichi	Ishikawa
b) Electric and Advanced Propulsion	Poster	C000424	Discharge characteristics of 100 W-class Hall thruster with a thoriated tungsten filament cathode for a 2U CubeSat	KAIST	Seongsu	Kim
b) Electric and Advanced Propulsion	Poster	C000530	Understanding Low-Frequency Oscillations in Hall Thrusters Using Microwave Interferometry	Kyushu university	Kouki	Teshima
b) Electric and Advanced Propulsion	Poster	C000599	Discharge Characteristics of Coaxial Short-pulse Laser-assisted Pulsed Plasma Thruster	Tokai University	Kaito	Oki
c) Materials and Structures	Poster	C000494	Application of Composite Tow Steering to Stiffened Panels	Tokyo University of Agriculture and Technology	Kenji	Asakawa
d) Astrodynamics, Navigation Guidance and Control	Poster	C000098	Attitude Stability Analysis of Spin-stabilized Microspacecraft Propelled by Hybrid Rocket	Hokkaido University	Shumpei	Hosokawa
d) Astrodynamics, Navigation Guidance and Control	Poster	C000099	Accumulated Momentum Unloading of Spacecraft Using Solar Radiation Pressure Torque by Independent SAP Control	Space System Department, NEC Corporation	Takefumi	Kosaka

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Title of session	Session名	Venue	Date	Session Time		Lecture Time		Session (カテゴリ)	Presentati on format	No.	Title	Affiliations	presenter
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								d) Astrodynamics, Navigation Guidance and Control	Poster	C000116	Attitude Estimation of CubeSats from Solar Panel Output Using Genetic Algorithm	Kyushu Institute of Technology	Shoma Fukudome
								d) Astrodynamics, Navigation Guidance and Control	Poster	C000139	Miniature Low-Cost Two-Axis Digital Sun Sensor with a Correction Error Table	Tensor Tech CO., LTD.	Jordan H. Hsieh
								d) Astrodynamics, Navigation Guidance and Control	Poster	C000205	Satellite Formation Flying Achieved by Radiation Pressure by Coupling Orbit and Attitude Considering Eclipse in Low Earth Orbit	Department of Aerospace Engineering, Graduate School of Engineering, Nagoya University	Xinbo Gu
								d) Astrodynamics, Navigation Guidance and Control	Poster	C000255	Time-varying Residual Magnetic Moment Modelling and Estimation for a Nanosatellite	Turkish Aerospace Industry	Sirin Yakupoglu Altuntas
								d) Astrodynamics, Navigation Guidance and Control	Poster	C000268	Vertical Descent Control Law for a Lunar Lander with On-off Input Constraint via Model Predictive Control Theory	Space System Department, NEC Corporation	Takefumi Kosaka
								d) Astrodynamics, Navigation Guidance and Control	Poster	C000341	Design of a Reaction Wheels System in Pyramid Configuration for CubeSat Nanosatellites	National Autonomous University of Mexico	Guillermo Ocaña
								d) Astrodynamics, Navigation Guidance and Control	Poster	C000466	Magnetic torque caused by magnetic substance considering three-dimensional attitude dynamics	Nagoya University	Daiki Ukita
								d) Astrodynamics, Navigation Guidance and Control	Poster	C000552	Motion Control of a Spacecraft during Recovery of a Tethered Asteroid Soil Sampler	Affiliation: Akita University	Ryohei Koide
								d) Astrodynamics, Navigation Guidance and Control	Poster	C000563	Relative orbit determination of satellites by radio waves considering attitude motion.	Nagoya University	Yoshiki Fujita
								e) Fluid Dynamics and Aerothermodynamics	Poster	C000041	Comparison of Leading Edge VGs on SC(2)-0518 and OAT15A Airfoils for Transonic Buffet Suppression	Yokohama National Univ. Department of Mechanical Engineering, Materials Science, and Ocean Engineering	Yuta Tsukamoto
								e) Fluid Dynamics and Aerothermodynamics	Poster	C000177	Investigation of the Vorticity Estimation Method Based on the Shock Wave Configuration	Meijo University	Asahi Morimoto
								e) Fluid Dynamics and Aerothermodynamics	Poster	C000247	Grid Resolution Study on Numerical Analysis of Propeller-Wing Interaction	Yokohama National University	Keita Suzuki
								e) Fluid Dynamics and Aerothermodynamics	Poster	C000248	System Modeling of Microscale Explosive Ignition Devices for Space Pyrotechnic Systems	Kumoh National Institute of Technology	Kyoungjin Kim
								e) Fluid Dynamics and Aerothermodynamics	Poster	C000572	Validation of 3D CFD simulation of Flow Separation over an Airfoil for Deep Reinforcement Learning-based Closed-Loop Flow Control	Tokyo University of Agriculture and Technology	Naoki Takada
								f) Small Satellite : Joint session with NSAT	Poster	C000253	Satellite Swim Lane	Cabinet Olivier PONS	Olivier Charles Pons
								k) Science and Technology for Human and Robotic Space Exploration	Poster	C000359	Evaluation of Penetration Performance by Tip shape of Tubular Sampler for Asteroids	Akita University, Department of System Design Engineering	Rokuto Akiyama
								k) Science and Technology for Human and Robotic Space Exploration	Poster	C000561	Study on Dynamics and System Configuration of Multipoint Suspended Descent Probe into Lunar Vertical Holes	Akita University	Takashi Shinzawa

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								k) Science and Technology for Human and Robotic Space Exploration	Poster	C000575	Performance evaluation and discussion of wheel geometry capable of traveling on the Martian polar cap	Akita University	Makoto Ishizuka
								q) Space Power Systems	Poster	C000305	Evaluation for Space Lithium Ion Cells Operated under Low Temperature Condition	Japan Aerospace Exploration Agency	Hitoshi Naito
								r) Space Environment and Debris	Poster	C000318	Evaluation of TiO2 Photocatalytic Activity in Vacuum with QCM for Contamination Removal on board Spacecrafts	JAXA	Naoki Shimesake
								r) Space Environment and Debris	Poster	C000335	Applicability of Conventional Ballistic Limit Equation to Titanium Alloy Curved Plate and Energy Distribution of the Fragments after Perforation	Hosei University	Hiroya Adachi
								r) Space Environment and Debris	Poster	C000447	Development of Flexible Tube Extension Mechanism for In-situ Observation of Micro Space Debris Impacts	Akita University	Motoharu Nakayama
								r) Space Environment and Debris	Poster	C000546	Active Debris Removal Using Electric Propulsion: Charging Mitigation on Target Debris in Docking Sequence	Chukyo University	Takanobu Muranaka
								w) Safety and Mission Assurance	Poster	C000240	Medical adaptation of the therapeutic properties of Centella asiatica to space activities, via the ISS	Student Session	Juliette Cliquet