

Program

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June 2, Sunday 29th ISTS FINAL PROGRAM SESSION SCHEDULE

											Student Session		
Room	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	Other Events
								Registration Start					Public Exhibition

June 3, Monday 29th ISTS FINAL PROGRAM SESSION SCHEDULE

											Student Session		
Room	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	Other Events
International Conference Room		9:00-10:00 Opening Ceremony	10:00-10:30 Keynote Speeches by Junjo Onoda	10:40-12:20 Special Program: World Space Activities			14:00-15:50 Special Program: The Future of Commercial Space Transportation	16:00-17:40 o-2-1 Rarefied Aerodynamics / Thermal Protection System					
Reception Hall A								16:00-18:00 d-1 Orbital Dynamics and Control					
Reception Hall B								16:00-18:20 k-1 Missions to Mars I					
Room 141 + 142													Business Exhibition
Room 131 + 132								16:00-18:00 c-1 Material Synthesis and Treatment					
Room 133 + 134								16:00-17:40 n-1 Global Change Observation Mission (GCOM)					
Room 232								16:00-17:40 f-1 Development of Small Satellite					
Room 233								16:00-17:20 r-1 Efforts for Sustainability of Space Activities					
Room 234								16:00-18:20 b-1 Propulsion for Deep Space Flight (1)					
Room 431								16:00-17:40 m-1 Balloon Experiments					
Room 432								16:00-18:00 a-1 Thruster and Propellants					
Room 231								16:00-17:40 u-1 Perspective on Humanities Research in Space					
											18:30-20:30 Welcome Reception IF Event Hall		

June 4, Tuesday 29th ISTS FINAL PROGRAM SESSION SCHEDULE

											Student Session		
Room	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	Other Events
International Conference Room		9:00-10:00 S-01-o-2 Student Session on Hypersonics	11:00-12:10 o-2-2 Radiation and Spectroscopy			14:10-16:10 o-2-3 Aerodynamics of Atmospheric Entry Systems		16:20-18:00 e-1 Flow Control					
Reception Hall A	8:30-10:10 d-2 Attitude Dynamics and Control (1)	10:20-12:00 d-3 Attitude Dynamics and Control (2)			13:30-15:10 d-4 Mission Design and Interplanetary Trajectory	15:20-16:20 d-5 Trajectory Optimization and Orbit Transfer		16:50-18:50 d-6 Formation Flight and Proximity Operations					
Reception Hall B	8:30-10:50 k-2 Missions to Mars II	11:00-12:20 k-3 Missions to the Moon I			13:30-15:30 k-4 Missions to the Moon II	15:40-16:40 k-5 Missions to the Moon III		17:10-19:10 S-05-k Student Session on Science and Technology for Human and Robotic Space Exploration					
Room 141 + 142					13:00-14:00 Panel 1 Benefits of Space Life Science for Humanity	14:30-16:10 o-4-1 Spacecraft Thermal Design I	16:20-18:00 o-4-2 Spacecraft Thermal Design II						
Room 131 + 132	8:50-10:10 c-2 SIMPLE	10:20-12:00 c-3 Thermal Protection			13:30-15:10 c-4 Design and Fabrication	15:20-17:00 c-5 Analysis of Space Structures and Materials	17:10-18:50 c-6 Material Degradation and Lubrication						
Room 133 + 134	8:30-10:10 n-2 Space Applications for Environment (SAFE) (1)	10:20-12:00 n-3 Space Applications for Environment (SAFE) (2)			13:30-15:10 n-4 Space Applications for Environment (SAFE) (3)	15:20-17:00 n-5 Space Applications for Environment (SAFE) (4)	17:10-18:30 n-6 Earth Observation (1)						Public & Business Exhibition
Room 232	8:30-10:10 f-2 OBC and Software of Small Satellite	10:20-12:00 f-3 Launch and Flight Result of Small Satellite			14:30-15:50 S-03-f Student Session on Small Satellite Communication System and Device	16:00-17:00 S-04-f Student Session on Design of Small Satellite	17:30-19:10 f-4 Design and Environmental Testing of Small Satellite						
Room 233	8:30-10:10 r-2 Research and Development Activities on Debris and the Related Activities	10:20-12:20 r-3 Hypervelocity Impact Technology			13:30-15:10 r-4 Ground-Based Debris Measurement (1)	15:20-17:00 r-5 Ground-Based Debris Measurement (2)	17:10-19:10 r-6 Atmospheric Science						
Room 234	8:30-10:10 S-02-b Student Session on Propulsion for Deep Space Flight (2)	10:20-12:20 b-2 Plasma Measurement and Monitoring Techniques *including student papers			13:30-14:30 b-3 Invited Overview of Electric Propulsion Activities	14:40-16:00 b-4 Small Satellites Propulsion System	16:10-17:30 b-5 Micropropulsion for Small Satellites (1)	17:40-19:00 b-6 Advanced Propulsion Concept					
Room 431	8:30-10:10 m-2 Significance of Sounding Rocket and the Related Activities	10:40-12:20 m-3 Sounding Rocket Engine and Propulsion System			15:00-16:20 m-4 Science Instrument for Sounding Rocket and Its Observation	16:30-17:50 m-5 Rocket Campaign and Future Experiment							
Room 432	8:30-9:50 a-2 Liquid Rocket Engine 1	10:00-11:20 a-3 Liquid Rocket Engine 2			13:30-15:10 a-4 Solid Rocket	15:20-16:40 a-5 Hybrid Rocket 1	16:50-18:30 a-6 Hybrid Rocket 2						
Room 231	8:30-9:50 u-2 Space Education and Outreach (1)	10:00-11:20 u-3 Space Education and Outreach (2)			14:30-15:50 p-1 Space Life Science Experiment on Orbit	16:00-18:00 b-2 Space Medicine and Physiology							

June 5, Wednesday 29th ISTS FINAL PROGRAM SESSION SCHEDULE

	Student Session												
Room	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	Other Events
International Conference Room	8:50 o-4-3 Two-Phase Thermal Control I	10:30				14:00 o-4-4 Two-Phase Thermal Control II	16:20	16:30 o-4-5 Thermal Control Technology	18:30				
Reception Hall A	8:30 S-06-d Student Session on Astrodynamics, Navigation, Guidance and Control (1)	10:30				14:00 d-7 Tethered System and Space Robotics (1)	15:20	15:50 d-8 Tethered System and Space Robotics (2)	17:30	17:40 S-12d Student Session on Astrodynamics, Navigation, Guidance and Control (2)	19:00		
Reception Hall B	8:30 k-6 Missions to Inner Planets / Human and Robotic Exploration I	10:30				14:00 k-7 Human and Robotic Exploration II	15:40	15:50 k-8 Planetary Mission Concepts and Sciences	16:40				
Room 141 + 142			11:00	Special Program: Space Science Missions		13:50							
Room 131 + 132	8:30 S-07-c Student Session on Materials and Structures	10:30				14:00 c-7 High-Precision Large Space Structures 1	15:20	15:30 c-8 High-Precision Large Space Structures 2	17:10	17:20 c-9 High-Precision Large Space Structures 3	18:40		Public & Business Exhibition
Room 133 + 134	8:30 n-7 Earth Observation (2)	10:10				14:00 n-8 Advanced Land Observing Satellite (ALOS) (1)	15:20	15:30 n-9 Advanced Land Observing Satellite (ALOS) (2)	16:30	17:00 n-10 Global Satellite Mapping of Precipitation (GSMaP)	18:20		
Room 232	8:30 f-5 Small Satellite Components	10:30				14:00 f-6 Attitude and Orbit Control of Small Satellite	15:20	15:30 f-7 Simulator of Small Satellite	16:50	17:00 f-8 Electric Power System of Small Satellite	18:20		Poster Session 1F Event Hall 19:00-20:30
Room 233	8:30 r-7 Space-Based Debris Measurement	10:10				14:00 r-8 Spacecraft Charging	15:40	15:50 r-9 Cometary Exploration Project Organization and Position in Geospace-EPIC	16:50	17:00 r-10 Pronton, Radiation and Neutron	18:00		
Room 234	8:30 S-08-b Student Session on Micropropulsion for Small Satellites (2)	10:30				14:00 o-1-1 High Power Hall Thrusters	15:40	15:50 o-1-2 Advanced Electromagnetic Accelerators	17:10	17:20 b-7 Advanced Launchers including student papers	19:00		
Room 431	8:50 e-2 Flow in Propulsive Devices	10:30				14:00 e-3 Advanced Flow Physics I	16:20	16:30 e-4 Advanced Flow Physics II	18:50				
Room 432	8:30 a-7 Rocket Engine Component Technology	10:10				14:00 S-10-a Student Session on Hybrid Rocket	15:00	15:30 S-11-a Student Session on Air Breathing Engines and Thermo-Fluid Phenomena	16:50	17:00 a-8 RBCC Engines	18:20		
Room 231	8:30 S-09-h Student Session on Microgravity Science	9:50				14:00 h-1 Crystal Growth	15:20	15:30 h-2 Micro/Hyper Gravity	16:50	17:00 h-3 Levitation	18:40		
Room 436						14:00 Program for Next Decade: Promoting Innovation Creation I. Brainstorming			17:30				

June 6, Thursday 29th ISTS FINAL PROGRAM SESSION SCHEDULE

	Student Session												
Room	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	Other Events
International Conference Room	8:30 c-10 Solar Sail and Membrane Structures 1	10:30	10:40 c-11 Solar Sail and Membrane Structures 2	12:20									
Reception Hall A	8:30 d-9 Image Based Measurement and Navigation	10:10	10:20 d-10 Orbit Determination and Modeling	11:40									
Reception Hall B	8:30 k-9 Deep Space Missions and Instruments	10:40	10:50 S-15-f Student Session on Space Environment and Debris	12:10									
Room 141 + 142		9:00	Program for Next Decade: Promoting Innovation Creation II. Panel Discussion		12:00								
Room 131 + 132	8:30 n-11 Tropical Rainfall Measuring Mission (TRMM)	9:50	10:00 n-12 Global Precipitation Measurement (GPM)	11:20									Public Exhibition
Room 133 + 134	8:30 a-9 Transient Phenomena in Propulsion	9:50	10:00 a-10 Combustion Technology	11:20									
Room 232	8:30 h-4 Fluid Physics / Radiation	9:10	9:40 h-5 Fundamental Physics	11:00	11:10 h-6 Combustion	12:30							
Room 233	8:30 g-1 Winged Space Transportation System	10:10	10:20 g-2 New Concepts for Space Transportation System	12:00									
Room 234	8:30 b-8 Micropropulsion for Small Satellites (3)	10:10	10:20 S-14-b Student Session on Micropropulsion for Future Small Satellites	12:00									
Room 431	8:30 S-13-j Student Session on Satellite Communications Technology	10:30			11:30 S-15-e Student Session on Space Utilization	12:10							
Room 432	8:30 f-9 Small Satellite Mission	9:50	10:00 f-10 Operation of Small Satellite	11:20									

"Technical Tours"
Departure Time : 13:30

- 1) Mitsubishi Heavy Industries, Tobishima Plant
- 2) Nagoya Science Museum Planetarium
- 3) TOYOTA Commemorative Museum of Industry and Technology/Nagoya Castle
- 4) Exchange Meeting sponsored by Leadership Development Program at Nagoya University

June 7, Friday 29th ISTS FINAL PROGRAM SESSION SCHEDULE

	Student Session												
Room	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	Other Events
International Conference Room	9:00-10:00 S-17-e Student Session on Fluid Dynamics						14:30-15:50 v-1 Space Policy and International Cooperation		16:20-18:00 v-2 Space Utilization and Security				
Reception Hall A	8:30-9:10 g-11 QIC for Atmospheric Flight/Reentry		9:40-10:40 d-12 Attitude Maneuver		10:50-12:30 d-13 Control System Design, Test and Calibration								
Reception Hall B	8:50-9:50 n-13 Greenhouse Gases Observing SATellite (GOSAT)		10:00-11:20 n-14 Earth Cloud, Aerosol and Radiation Explorer (EarthCARE)										
Room 141 + 142							14:30-16:30 7th Spacecraft Control System Design Contest						Public Exhibition
Room 131 + 132	8:30-9:10 g-3 Expendable Launch Vehicles		9:20-10:40 g-4 HTV/HTV-R		10:50-11:50 s-19 Student Session on Space Transportation		13:30-15:10 o-3-1 Flight Test for Space Transportation Technologies		15:20-16:40 g-5 Manned Vehicles		16:50-18:10 g-6 Reusable Launch Vehicles		
Room 133 + 134	8:30-10:10 j-1 Satellite Navigation and Geodesy		10:40-12:00 j-2 Broadcast and Communication Systems		13:10-14:50 j-3 WINDS Project Activities		15:00-16:20 j-4 Experimental Results		16:30-17:50 j-5 Advanced Technologies		Commendation & Closing Ceremony 4F Reception Hall 18:30-20:30		
Room 232	8:30-10:10 S-18-q Student Session on Solar Power Satellite		10:20-12:00 q-1 Solar Power Satellite Concept		13:30-15:10 q-2 Solar Power Satellite Technology		15:40-17:00 q-3 Satellite Power System						
Room 233	8:50-10:10 w-1 Parts & Materials		10:20-12:00 w-2 Design Standard		13:00-14:20 Panel 2 Open Discussion for Space Vision		14:30-16:10 w-3 Mission Assurance		16:20-17:40 w-4 Safety				
Room 234	8:30-10:10 b-9 Cathode and Neutralizer including student papers		10:20-11:40 S-20-b Student Session on Simulations of Plasma Discharge (1)		13:30-14:10 b-10 Simulations of Plasma Discharge (2)		14:20-15:40 b-11 Simulations of Thruster Plume/Spacecraft Interactions		15:50-17:30 b-12 Technologies for Future Space Propulsion				
Room 431	8:30-10:50 k-10 Missions to Near Earth Objects: Hayabusa-2 and ASTER		10:50-12:00 k-11 Missions to Outer Planets										
Room 432	8:30-9:50 S-194 Student Session on Systems Engineering and Information Technology		10:00-11:40 t-1 Systems Engineering and Information Technology (1)		13:30-15:30 t-2 Systems Engineering and Information Technology (2)		15:40-17:00 t-3 Systems Engineering and Information Technology (3)						

June 8, Saturday 29th ISTS FINAL PROGRAM SESSION SCHEDULE

	Student Session												
Room	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	Other Events
	Public Exhibition												

June 9, Sunday 29th ISTS FINAL PROGRAM SESSION SCHEDULE

	Student Session												
Room	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	Other Events
	Public Exhibition												

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