

## Sep 9

Slot	Time [min]	Key/Inv/Con/Shrt	Name	名前	Title
<b>Science: Saturn/Jupiter (Kosuke, Tomoki)</b>					
AM1 (09:00 - 10:45)	5		Hitoshi Kuninaka		Opening remarks
	10		Naoya Ozaki, Go Murakami		Introduction
	30	Key	Steven Vance		Using Geophysics to Investigate the Habitability of Ocean Worlds
	20	Inv	Yasuhito Sekine	関根康人	Habitability and planetary redox on early Mars and ocean worlds
	20	Inv	Fuminori Tsuchiya	土屋 史紀	Moon-plasma interaction in the Jovian magnetosphere
	20	Inv	Hideo Sagawa	佐川 英夫	Characterization of the tenuous atmosphere of icy moons: the science targets of Galilean moon observations by JUICE/SWI
Subtotal [min]		105			
Break (10:45-11:00)					
<b>Science: Mars (Lucie, Haruna)</b>					
AM2 (11:00-12:10)	30	Key	Tomohiro Usui	臼井 寛裕	JAXA's Strategic Mars Exploration Program (JSMEP) for Understanding Origin, Evolution, Inventory of Water on Mars
	20	Inv	Yohey Suzuki	鈴木 庸平	New Mars Sample Return Technology Feasible for Astronauts and Rovers
	20	Inv	Yasunori Nagata	永田 靖典	Access to Planetary Exploration by Small Spacecraft Using Deployable Aeroshell Technology
Subtotal [min]		70			
Lunch (12:10-13:10)					
<b>Science: Mars (Lucie, Haruna)</b>					
PM1 (13:10-14:35)	20	Inv	Yoshitaka Yoshimura	吉村 義隆	Development of the Life-signature Detection Microscope (LDM) for in situ imaging of organic compounds including microbial cells on Mars.
	20	Inv	Kazuhiko Yamada	山田 和彦	Research and development for sample return capsule to support future advanced sample return mission
	15	Con	Makito Kobayashi	小林 真輝人	In-situ porosity estimation based on the relative permittivity on the Martian subsurface
	15	Con	Hiromu Nakagawa	中川広務	New design high-contrast optics for solar system exploration missions
	15	Con	Hiromu Nakagawa	中川広務	Broadband mid-IR fiber optics instruments for solar system exploration missions
Subtotal [min]		85			
Break (14:35-14:50)					
<b>Science: Mars (Tomo, Lucie)</b>					
PM2 (14:50-16:15)	15	Con	Kanako Seki	関 華奈子	Japanese Science Payload Packages for IceMapper
	15	Con or Shrt	Kanako Seki	関 華奈子	MACH DRIVE Center: Magnetic fields, Atmospheres, and the Connection to Habitability
<b>Engineering: GNC/ADCS (Landon, Naoya)</b>					
	20	Inv	Takaya Inamori	稲守孝哉	Interplanetary attitude control using magnetic coil in small spacecraft
<b>Uranus/Neptune (Tomoki, Kosuke)</b>					
	20	Inv	Adam Masters		Future Missions to the Mysterious Ice Giant Planets: Uranus and Neptune
Subtotal [min]		70			
Break (16:15-16:30)					
<b>Discussion &amp; Wrap-up</b>					
PM3 (16:30-17:00)	Short Wrap-up				
	Splinter meeting (Mars, Outer Planet)				

# Sep 10

Slot	Time[min]	Key/Inv/Con/ShrI	Name	名前	Title
<b>Science: Inner planets (Go, Tomo)</b>					
AM1 (09:00 - 10:55)	15	Con	Hiroki Ando	安藤 紘基	Cross-link Radio Occultation measurements of the Venus Atmosphere by using multiple small satellites
	15	Con	Ryoma Yamashiro	山城 龍馬	Next Venus Exploration Mission utilizing Sun-Venus Lagrange points
	15	Con	Toru Kouyama	神山 徹	Science objectives of simultaneous and long-term day and night observations of Venusian atmosphere from Lagrange points
	15	Con	Mitsuteru Sato	佐藤 光輝	Science objectives of continuous Venusian lightning observations from Lagrange points
	15	Con	Patryk Sofia Lykawka		Terrestrial Planet Formation: Constraints on Mercury, Venus, Earth, and Mars
<b>Engineering: New/Key technologies for spacecraft (Stephane, Shintaro)</b>					
	20	Inv	Kimihide Odagiri	小田切公秀	Research and development of a thermal control system for future planetary space science missions
	20	Inv	Hirobumi Tobe	戸部 裕史	Development of functional materials for space applications
Subtotal [min]	115				
Break (10:55-11:40)					
AM2 (11:40-13:00)	<b>Engineering: New/Key technologies for mobility (Stephane, Shintaro)</b>				
	15	Con	Tomohito Sekiguchi	関口 智仁	Creating New Locomotion Pattern of Multi Legged Planetary Exploration Rover with Isotropic Leg Arrangement by Controlling Based on CPG
<b>Engineering: Propulsion (Landon, Naoya)</b>					
	30	Key	Harunori Nagata	永田 晴紀	Hybrid Rocket Propulsion for Space Exploration Missions
	15	Con	Yuichi Nakagawa	中川 悠一	Experimental Study and System Analysis on Pale Blue Water Ion Thruster
	20	Inv	Hiroyuki Koizumi	小泉宏之	State-of-the-art small propulsion technology toward micro-space-probe exploration
Subtotal [min]	80				
Lunch (13:00-14:00)					
<b>Science: Moon (Masaki Nishono-san)</b>					
PM1 (14:00-15:05)	20	Inv	Makiko Ohtake	大竹 真紀子	Next decades of the lunar science and exploration
	15	Con	Takeshi Tsuji	辻 健	Optimization and Miniaturization of Lunar Active Seismic Profiler (LASP)
	15	Con	Kohei Takeda	武田 浩平	Feasibility Study of Close-Range Lunar South Pole Observation by Small-Lunar-Orbiter Deployed from LOP-G Using Single Impulse Orbit Maneuver
	15	Con	Taichi Kawamura	川村 太一	Autonomous Lunar Geophysical Experiment Package (ALGEP)
Subtotal [min]	65				
Break (15:05-15:20)					
<b>Science: Instruments (Haruna, Go)</b>					
PM2 (15:20-16:40)	30	Key	Satoshi Kasahara	笠原 慧	In-situ particle measurements in planetary exploration
	20	Inv	Jun Aoki	青木順	Development of On-site Multi-turn Time-of-Flight Mass Spectrometry System for a Mission to Jupiter Trojans
	15	Con	Kazuo Yoshioka	吉岡 和夫	Development of science instruments for various mission scales (for UV observation)
	15	Con	Rina Noguchi	野口 里奈	Development of an autonomous investigation system at inaccessible outcrops
Subtotal [min]	80				
Break (16:40-16:55)					
<b>Discussion &amp; Wrap-up</b>					
PM3 (16:55-17:25)	Short Wrap-up				
	Splinter meeting (Inner Planet, Moon)				

# Sep 11

Slot	Time [mi Key/Inv/Con/Shri]	Name	名前	Title
<b>Science: Small objects (Haruna, Naoya)</b>				
AM1 (09:00 - 10:35)	30	Key	Yoko Kebukawa 癸生川 陽子	Explorations of the Solar System small bodies: Past, present, and future
	20	Inv	Yoshihiro Furukawa 古川 善博	Laboratory analyses of small body organic compounds in the near future
	15	Con	Yuri Shimaki 轟生 有理	Primitive bodies as candidates for a sample return mission
	15	Con	Kenshiro Oguri 小栗 健士朗	Robust in-situ Asteroid Exploration
	15	Con	Shota Kikuchi 菊地 翔太	Key Engineering Technologies for Post-Hayabusa2 Small-Body Missions
Subtotal [min]	95			
Break (10:35-10:50)				
<b>Engineering: System &amp; Mission Design (Shintaro, Naoya)</b>				
AM2 (10:50-13:00)	30	Key	Ryu Funase 船瀬 龍	Challenges of Nano/Micro-Spacecraft Toward Planetary Exploration: PROCYON, EQUULEUS, and Beyond
	20	Inv	Toshihiro Chujo 中条 俊大	Mission concept for demonstration of exploration technology by a micro solar power sail spacecraft and its future scope
	15	Con	Yuto Takei 武井 悠人	The Concept of Deep Space Orbital Transfer Vehicle Inspired by Hayabusa 2 Technology
	20	Inv	Yuusuke Oki 大木 優介	Multi Modal System Simulation for Front Loading
	15	Con	Nishanth Pushparaj	Exploration of Phobos Using Bifurcated Distant Retrograde Orbits: Application to MMX
<b>Engineering: New/Key technologies for mobility (Stephane, Shitaro)</b>				
	30	Key	Massimo Vespignani	SUPERball v2: A Deformable Tensegrity Rover for Planetary Exploration
Subtotal [min]	130			
Lunch (13:00-14:00)				
<b>Discussion &amp; Wrap-up</b>				
Short Wrap-up				
Splinter meeting (Small body)				
Open discussion				
Go Murakami, Naoya Ozaki			Conclusion	
Yasumasa Kasaba			Closing remarks	
(Extra splinter meeting)				