

September 21 (Tuesday)

Slot	Time	Key Name	Title
AM1	9:30 - 10:50	5	Opening remarks
		10	Naoya Ozaki, Go Murakami Introduction
Engineering: Propulsion (Landon, Naoya)			
		30	Key Ashley Karp Mars Ascent System for a Potential Mars Sample Return Campaign
		20	Inv Akira Kakami A study on chemical and electric propulsion for space probes
		15	Con Shota Hirai Potential of Hybrid Kick Motors for Space Exploration
	Subtotal [min]	80	
Breal 10:50 - 11:05			
AM2	11:05 - 11:55	Science: Mars (Shunta, Shotaro)	
		20	Inv Kazuhisa Fujita Mars Exploration and Planetary Protection
		15	Con Keigo Enya Life-signature Detection fluorescence Microscope (LDM) for detection and analysis of extraterrestrial life
		15	Con Hiroyuki Kurokawa Future in situ measurements of atmospheric neon to unveil the origin and early surface environment of Mars
	Subtotal [min]	50	
Lunc 11:55 - 12:55			
PM1	12:55 - 14:15	Science: Mars (Shotaro, Shunta)	
		30	Key Kanako Seki Martian explorations: Science background and open questions
		20	Inv Ruj Trishit THE SEARCH OF ICE ON MARS FOR FUTURE MISSIONS
		15	Con Hiroyuki Maezawa Conceptual Study of Terahertz-band Heterodyne Spectroscopy Sensor for Mars Aqueous Environment and Space Climate Orbiter/Sub-Science Payload of International Mars Ice Mapper Mission
		15	Con Yuri Sueoka New procedures to inactivate for Mars sample return
	Subtotal [min]	80	
Breal 14:15 - 14:30			
PM2	14:30 - 15:30	Science: Venus (Go, Naoto, Kimihide)	
		30	Key Takeshi Imamura Open issues for future Venus exploration
		15	Con Hiroki Ando Cross-link Radio Occultation measurements of Venus Atmosphere by using multiple small satellites
		15	Con Masatoshi Yamauchi Venus Laputa: A sustainable N2-filled platform in the Venus atmosphere
		60	
Breal 15:30 - 15:45			
PM3	15:45 - 16:15	Splinter's Report (Kimihide)	
		15	Ven Hideo Sagawa Next mission to Venus: Ongoing concept study and latest updates
		15	Mar: Tomo Usui
16:15 - 17:45 Splinter Meeting: Venus & Mars			

September 22 (Wednesday)

Slot	Time	Key	Name	Title
AM1	9:30 - 10:40	Science: Moon (Yusuke, Landon)		
	20	Inv	Shun-ichiro Karato	Acquisition of hydrogen to Earth-like planet by the solar radiation: A possible way to get water within the "snowline" during planetary formation
	20	Inv	Hiroshi Nagaoka	Recent lunar meteorite research and an implication for future lunar sample return mission
	15	Con	Tetsuo Yoshimitsu	Proposal of precursor missions in the 2020s to achieve First-class Sciences on the Moon in the 2030s
	15	Con	Masafumi Imai	Planetary Radio Observation CubeSat: Current Step on Earth to Next Step on Moon
	Subtotal [min]		70	
Breal 10:40 - 10:55				
AM2	10:55 - 12:10	15	Con Kosei Toyokawa	Sample returning of volatiles from lunar middle-low latitude regions
		15	Con Daigo Shoji	Science mission of UZUME-1
		15	Con Hitoshi Nozawa	地中レーダー(GPR)を用いた月の地下空洞探査
	Science: Surface Exploration(Shunta, Shotaro)			
		30	Key	Rohit Bhartia's talk was moved to 9:00(am) at 24th
	Subtotal [min]		75	
Lunc 12:10 - 13:10				
PM1	13:10 - 14:50	30	Key Masahiro Ono	Latest Achievements of Mars Rover Perseverance and the Future of Robotic Solar System Exploration
		20	Inv Takao Maeda	Small Moon Rover LEV and Application for Future Explorations
	Science: Outer Planets(Shuya, Naoto)			
		20	Inv James O'Donoghue	Future science at the outer planets
		30	Key Jun Kimura	For the next decades of the icy worlds' science and exploration
	Subtotal [min]		100	
Breal 14:50 - 15:05				
PM2	15:05 - 16:45	20	Inv Ryuki Hyodo	A case study of JAXA's science-driven planetary exploration of the outer solar system
		20	Inv Hajime Yano	Challenges in Astrobiology Exploration beyond the Snow Line
		20	Inv Kunihiro Keika	Sources, Transport, and Energization of Magnetospheric Plasma
		20	Inv Syusaku Kanaya	Research and Development of Perovskite Solar Cells for Space Applications
		20	Inv Atsushi Kumamoto	Subsurface radar sounder and ground penetrating radar for explorations of planets, moons, and asteroids
	Subtotal [min]		100	
Breal 16:45 - 17:00				
PM3	17:00 - 17:15	Splinter's Report (Yusuke)		
		15	Moc Masaki Nishino	Updates on the Moon splinter
	17:15 - 18:45 Splinter Meeting: Outer planets & Moon			

September 24 (Friday)

Slot	Time	Key Name	Title
AM1	9:00 - 11:10	Science: Mars (Kimihide, Shino)	
	30	Key Rohit Bhartia	SHERLOC: Deep UV Spectroscopy and Astrobiology on Mars and Beyond
	Science: Small Bodies (Kimihide, Shino)		
	20	Inv Yoshiharu Shinnaka	Comets
	20	Inv Wataru Fujiya	Small body exploration for understanding of Earth's building blocks
	20	Inv Takuya ISHIZAKI	Development of Thermal Diffusivity Measurement Method using Lock-in Thermography for Space Engineering and Science - From CFRP and Thermal Interface Material to Meteorites and RYUGU Particles -
	20	Inv Yoji Shirasawa	Concept Study of Systems for Exploration of Interstellar Objects
	Engineering:		
	20	Inv Yuki Takao	Technological Advances in a Solar Power Sail for Deep Space Explorations
Subtotal [min]		130	
Breal 11:10 - 11:25			
AM2	11:25 - 11:40	Splinter Reports of last year (Naoya)	
	15	Smε Yuri Shimaki	Recent activities of next generation sample return group
11:40 - 13:10 Splinter Meeting: Small Bodies			
Lunc 13:10 - 14:50			
PM1	14:50 - 16:20	Wrap-up & report of splinter meetings (Naoya, Go)	
	10	Venus	
	10	Mars	
	10	Moon	
	10	Outer planets	
	10	Small bodies	
	Discussion & Closing remarks (Go, Naoya)		
	40		
Subtotal [min]		90	