

Seminar on lunar and planetary geodesy: Program

2012/6/19 (Tue)

09:50-09:55	Sho SASAKI	NAOJ	Opening remarks
09:55-10:20	(Jinsong PING)	NAOC/CAS	Selenodetic results from "CE-1" lunar mission
10:20-10:50	Junichi HARUYAMA	JAXA	SELENE achievements and its perspective (Invited)
10:50-11:05	Junichi HARUYAMA	JAXA	Lunar exploration E/PO -Lessons learned from SELENE-
11:05-11:35	Erhu WEI	Wuhan University	On EOP with Chang'E-1 Δ VLBI and space VLBI observation
11:35-12:00	Jianguo YAN	Wuhan University	Comparison analysis of high degree lunar gravity field models using localized admittance/correlation and precision orbit determination

12:00-13:00 Lunch

13:00-13:25	Noriyuki KAWAGUCHI	NAOJ	Feasibility Study of LRR, Lunar Radar Ranging
13:25-13:50	Alexander GUSEV	Kazan Federal University	Kazan 12m antenna system for space radio science
13:50-14:30	Qinghui LIU	SHAO	Shanghai 65m telescope and Chinese space VLBI array (Invited)
14:30-15:00	Discussion for Cooperative Observation		

15:00-16:00 Poster session

1	Shoko OSHIGAMI	NAOJ	Mare volcanism in the nearside of the Moon: Reinterpretation based on Kaguya LRS data
2	Hiroo KUNIMORI	NICT	Laser and configuration of Laser Ranging station for Lunar and Planetary mission
3	Hiroo KUNIMORI	NICT	A Thermal distribution simulation of Hollow Laser Retro-reflector for SELENE2
4	Hiroshi ARAKI	NAOJ	Development of LLR retro-reflector for SELENE-2 mission
5	Shingo KASHIMA	NAOJ	Optical Response Simulation of Corner Cube Mirror for SELENE-2 Mission
6	Fuyuhiko KIKUCHI	NAOJ	Recent status of SELENE-2/VLBI instrument
7	Hitoshi IKEDA	JAXA	Hayabusa-2 gravity experiment (tentative)
8	Hiroaki MISAWA	Tohoku University	Investigation on rapid variations of Jupiter's magnetosphere
9	Fuminori TUCHIYA	Tohoku University	Two-element radio interferometer for Jupiter's synchrotron radiation

16:00-16:25	Toshio FUKUSHIMA	NAOJ	Recursive computation of oblate spheroidal harmonics
16:25-16:50	Yury BARKIN	Moscow State University	Modern problems of selenodynamics and possibilities of their study and solution on the base of the SELENE data and data of future lunar missions
16:50-17:15	Dapeng ZHAO	Tohoku University	Seismic tomography of the lunar interior
17:15-17:40	Yasunori MIURA		Lunar surface and storage of volatiles

18:00-20:00 Banquet

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2012/6/20 (Wed)

09:30-09:55	Yury BARKIN	Moscow State University	Current and future exploration of the Moon and Mars: variations of rotation, shapes, displacements of center of mass
09:55-10:20	Yuji HARADA	SHAO	Dependence of the tidal response on the internal structure of the moon. Geodetic implication to the partial melt layer at the lower-most part of the lunar mantle
10:20-10:45	Hiroto NODA	NAOJ	Lunar Laser Ranging (LLR) for SELENE-2: science goal and development status
10:45-11:10	Koji MATSUMOTO	NAOJ	VLBI mission proposed for SELENE-2 and its contribution to constrain the lunar internal structure
11:10-11:35	Ryuhei YAMADA	NAOJ	Investigation of lunar interior structure by SELENE-2 geodetic and seismic observations
11:35-12:00	Takahiro IWATA	JAXA	Measurements of Martian rotation variations by space geodetic techniques

12:00-13:00 Lunch

13:00-13:25	Erhu WEI	Wuhan University	Autonomous navigation of Mars probe with X-ray pulsars observations
13:25-13:50	Jinling LI	SHAO	The positioning reduction of probes in the Chang'E projects
13:50-14:15	Hideo HANADA	NAOJ	Development of a small digital telescope, and its application to Geodesy and Selenodesy
14:15-14:40	Takahiro IWATA	JAXA	A road map for lunar astronomical observatory
14:40-15:40	Discussion		