

SELENE Symposium 2014

International Symposium of Lunar Science and Exploration using data from Multi-Instruments

National Astronomical Observatory of Japan, Mitaka, Tokyo

4th (Tue.) to 5th (Wed.) March 2014

25-Feb-14

DAY-1 (4 March)

9:40 - 10:10 Registration

10:10 - 10:20 Opening Remarks

Takahiro Iwata

10:20 - 10:30 Logistics from LOC

Hiroshi Araki

10:30 - 11:50 Session-1 Recent Progress in Lunar Science

Chair: M. Ohtake (TBD)

10:30 - 10:50 Polarization and occultation of auroral kilometric radiation (AKR)

Kozo Hashimoto

10:50 - 11:10 Estimation of the effective dielectric constant and the density of the lunar surface media

Atsushi Kumamoto

11:10 - 11:30 Surveying the South Pole-Aitken basin magnetic anomaly for remnant impactor metallic iron

Joshua T. Cahill

11:30 - 11:50 Deep interior structure of the Moon inferred from the Apollo seismic data and the latest selenodetic

Koji Matsumoto

11:50 - 12:50 Group Photo & Lunch

12:50 - 15:35 Session-2 Lunar Crust

Chair: J. Haruyama (TBD)

12:50 - 13:05 Composition from SELENE Data and Meteorite Analysis (1)

Makiko Ohtake

13:05 - 13:20 Composition from SELENE Data and Meteorite Analysis (2)

Hiroshi Nagaoka

13:20 - 13:35 Composition from SELENE Data and Meteorite Analysis (3)

Tomoko Arai

13:35 - 13:50 Ages of Farside Terrain

Tomokatsu Morota

13:50 - 14:05 Coffee Break

14:05 - 14:30 Lunar Crust Formation models 1

Makiko Ohtake

14:30 - 14:55 Lunar Crust Formation models 2

Hiroshi Nagaoka

14:55 - 15:20 Lunar Crust Formation models 3

Tomoko Arai

15:20 - 15:35 Comments and Discussion

15:35 - 16:20 Poster Session

16:20 - 17:45 Session-3 Lunar Holes

Chair: T. Iwata (TBD)

16:20 - 16:35 Characteristics of Holes and Caverns 1: Skylight of the Mars and the Earth

Laszlo Kestay

16:35 - 16:50 Characteristics of Holes and Caverns 2: Skylight of the Moon

Junichi Haruyama

16:50 - 17:10 Science and utilization of Holes and Caverns 1: Science of Martian/Terrestrial Skylights and Caverns

Laszlo Kestay

17:10 - 17:30	Science and utilization of Holes and Caverns 2: Science of Lunar Skylights and Caverns	Junichi Haruyama
17:30 - 17:45	Comments and Discussion	
17:45 - 17:55	Logistics	
18:30 - 20:30	Welcome Party	

DAY-2 (5 March)

10:10 - 14:10	Session-4: Age, Topography, and Composition of Lunar Maria	Chair: J. Haruyama (TBD)
10:10 - 10:30	On mixed solidified materials fomed on the Moon	Yasunori Miura
10:30 - 10:45	Lateral Heterogeneities in Volcanic Activity	Tomokatsu Morota
10:45 - 11:00	Age of Marius Hills	Ryunosuke Imaeda / Junichi
11:00 - 11:15	Revised Model Ages of Key-Locations on the Moon	Aoi Aritomi / Junichi Haruyama
11:15 - 11:30	Tectonic evolution of the northwestern Imbrium and Sinus Iridum regions	Yuko Dake
11:30 - 11:45	Study of the subsurface flexure structure based on the lunar radar observation in Mare Imbrium	Ken Ishiyama
11:45 - 12:45	Group Photo & Lunch	
12:45 - 13:20	Lunar Magma Source Transition Model at 2.3 Gyrs ago	Shinsuke Kato
13:20 - 13:55	Numerical models of mantle evolution in Mars, Venus, and the Earth; their implication for the moon	Masaki Ogawa
13:55 - 14:10	Comments and Discussion	
14:10 - 14:55	Coffee Break & Poster Session	
14:55 - 17:25	Science and Exploration of the Moon	Chairs: T. Iwata (TBD)
14:55 - 15:20	Measurement of relative position of a lunar rover by using same-beam VLBI	Qinghui Liu
15:20 - 15:45	ESA's Missions	Bernard Foing
15:45 - 16:10	Volatile regolith thermal investigations consortium for exploration & science	Ben Bussey
16:10 - 16:25	Coffee Break	
16:25 - 16:45	SELENE 2 and a Penetrator Mission	Satoshi Tanaka
16:45 - 17:05	Smart Lander for Investigating Moon (SLIM) mission	Shujiro Sawai (TBD)
17:05 - 17:25	A Study on the sample return mission for lunar highlands, maria, and vertical holes	Takahiro Iwata
17:25 - 17:35	Summary and Closing Remarks	Takahiro Iwata
17:35	Adjourn	

POSTER

P1	Study of the subsurface flexure structure based on the lunar radar observation in Mare Imbrium	Ken Ishiyama
P2	Lunar electromagnetic responses to the stepwise changes in the IMF	Tetsuya Higa
P3	Improvement in determination accuracy of lunar interior structure from analysis of new lunar gravity data	Ryuhei Yamada
P4	Wave activities in several Hz near the Moon in the solar wind detected by Kaguya	Yasunori Tsugawa
P5	Tectonic evolution of the northwestern Imbrium and Sinus Iridum regions	Yuko Dake
P6	Dependence of relaxation modes on the viscosity structure of the Moon	Yuji Harada
P7	Dawn-dusk asymmetry of the ionized lunar sodium and potassium exosphere	Shoichiro Yokota
P8	Geological structure within the South Pole-Aitken Basin	Kisara Uemoto
P9	Solar wind proton reflection at lunar crustal magnetic fields observed by SELENE at low altitude	Masaki N. Nishino

Poster Session

DAY-1 (4 March) 15:35 - 16:20

DAY-2 (5 March) 14:10 - 14:55