## Seminar on lunar and planetary geodesy: Program

### 2012/6/19 (Tue)

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Title</th>
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<tbody>
<tr>
<td>09:50-09:55</td>
<td>Sho SASAKI</td>
<td>NAOJ</td>
<td>Opening remarks</td>
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<tr>
<td>09:55-10:20</td>
<td>(Jinsong PING)</td>
<td>NAOC/CAS</td>
<td>Selenodetic results from &quot;CE-1&quot; lunar mission</td>
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<tr>
<td>10:20-10:50</td>
<td>Junichi HARUYAMA</td>
<td>JAXA</td>
<td>SELENE achievements and its perspective (Invited)</td>
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<tr>
<td>10:50-11:05</td>
<td>Junichi HARUYAMA</td>
<td>JAXA</td>
<td>Lunar exploration E/PO -Lessons learned from SELENE-</td>
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<tr>
<td>11:05-11:35</td>
<td>Erhu WEI</td>
<td>Wuhan University</td>
<td>On EOP with Chang’E-1 VLBI and space VLBI observation</td>
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<tr>
<td>11:35-12:00</td>
<td>Jianguo YAN</td>
<td>Wuhan University</td>
<td>Comparison analysis of high degree lunar gravity field models using localized admittance/correlation and precision orbit determination</td>
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<td>12:00-13:00</td>
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<td>Lunch</td>
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<td>13:00-13:25</td>
<td>Noriyuki KAWAGUCHI</td>
<td>NAOJ</td>
<td>Feasibility Study of LRR, Lunar Radar Ranging</td>
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<tr>
<td>13:25-13:50</td>
<td>Alexander GUSEV</td>
<td>Kazan Federal University</td>
<td>Kazan 12m antenna system for space radio science</td>
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<td>13:50-14:30</td>
<td>Qinghui LIU</td>
<td>SHAO</td>
<td>Shanghai 65m telescope and Chinese space VLBI array (Invited)</td>
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<td>14:30-15:00</td>
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<td>Discussion for Cooperative Observation</td>
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<td>15:00-16:00</td>
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<td>Poster session</td>
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<tr>
<td>16:00-16:25</td>
<td>Toshio FUKUSHIMA</td>
<td>NAOJ</td>
<td>Recursive computation of oblate spheroidal harmonics</td>
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<td>16:25-16:50</td>
<td>Yury BARKIN</td>
<td>Moscow State University</td>
<td>Modern problems of selenodynamics and possibilities of their study and solution on the base of the SELENE data and data of future lunar missions</td>
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<td>16:50-17:15</td>
<td>Dapeng ZHAO</td>
<td>Tohoku University</td>
<td>Seismic tomography of the lunar interior</td>
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<td>17:15-17:40</td>
<td>Yasunori MIURA</td>
<td>Tohoku University</td>
<td>Lunar surface and storage of volatiles</td>
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<td>18:00-20:00</td>
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<td>Banquet</td>
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# Seminar on lunar and planetary geodesy: Program

## 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  
Geodetic implication to the partial melt layer at the lower-most part of the lunar mantle

## 10:20-10:45
**Hirotomo 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