

## PRELIMINARY MEETING SCHEDULE

- October 26–27, 2008**      **Young Lunar Explorers and Outreach Events at Florida Institute of Technology**
- October 27, 2008**      **Evening Registration and Welcome Reception**
- October 28, 2008**      **Opening Plenary Session**  
What pathways need to be developed and obstacles overcome to enhance the implementation of the GES?
- Space Agency Reports (status of upcoming missions and priorities for proposed robotic exploration)
- LEAG/ILEWG reports on science and exploration questions and report on the GES process (All papers are invited.)
- Current Lunar Missions**  
Invited presentations from JAXA (Kaguya), CNSA (Chang'e-1), ISRO (Chandrayaan-1) and NASA (LRO/LCROSS)
- October 29, 2008**      **Technical Sessions and Evening Poster Session I**
- Morning Sessions*
- LEAG** – What technologies need to be developed now in order to be ready for human return to the Moon (and beyond)? [Question 2-1]
- What are the most important considerations in keeping the crew safe and healthy for long term lunar stays?
  - What are the commonalities between lunar and Mars missions?
- ILEWG** – What are the critical elements for robotics development, habitats, hazard prevention? [Question 2-2]
- How can international standards be developed and different agency technology/R&D roadmaps be coordinated?
- SRR** – What is the current state of ISRU development? [Question 2-3]
- Afternoon Sessions*
- LEAG** – What are the needs and advantages of robotic missions for advancing lunar science and how can they benefit human exploration? [Question 2-4]
- ILEWG** – What specific technology developments in robotic exploration are being conducted by the various countries/agencies? [Question 2-5]
- What is the role of robotic precursors and assistants?
  - What investigations are needed?
- SRR** – How would ISRU fit into an extensive scientific and commercial robotic installation before human settlement? [Question 2-6]
- October 30, 2008**      **Technical Sessions and Evening Poster Session II**
- Morning Sessions*
- LEAG** – What opportunities are afforded within the current architecture for commercial on ramps and how can these be facilitated? [Question 3-1]
- How can open architecture (e.g., interoperability, common standards and interfaces) be designed into infrastructure to increase opportunities for entry by commercial providers?
  - What lessons learned from ISS can be applied here?

**ILEWG** – What are the logical architectures and open implementation to allow effective integration of international elements? [Question 3-2]

**SRR** – What types of precursor lunar surface experiments are highest priority for space settlement and commercial development? [Question 3-3]

*Afternoon Sessions*

**LEAG** – How can human-robotic partnerships be used to develop and build a long-term presence on the Moon? [Question 3-4]

- What learning should take place during short-term stays that would inform needs for long-term presence?
- How can multiple-user infrastructure and support services be shared by a variety of government and private sector customers, not only reducing the cost to each user, but also creating opportunities for commercial firms to expand market size by serving multiple customers?

**ILEWG** – How can future lunar surface activities be optimized? [Question 3-5]

- Can include topics such as design activities, developing breadboard elements and instruments, functional studies, terrestrial analogues testing, and deploying lunar support infrastructure and logistics assets

**SRR** – What are the steps to extensive use of lunar resources? [Question 3-6]

October 31, 2008

**Technical Sessions and Closing Plenary Session**

*Morning Sessions*

**LEAG** – What is required to reduce dependency and cost of human exploration of the Moon for sustained presence? [Question 4-1]

- How can the new NASA/ESMD commercial development policy and implementation plan enhance lunar science and exploration by encouraging government commercial purchase and other government actions to encourage development of commercial sources of supply?
- How can government commitment to commercial purchase of products and services help commercial providers attract private investment to supplement public investment in science and exploration?

**ILEWG** – What is the status of Space Law as it relates to the Moon and what policy and regulation issues need to be addressed for productive international exploration of the Moon? [Question 4-2]

- What steps are needed to integrate technology elements from international partners within legal constraints (e.g. ITAR)?
- What are the international policy and regulation issues that must be addressed for sustained human and robotic exploration of the Moon?

**SRR** – What are the challenges in drilling on planetary surfaces, in regolith, regolith-ice mixtures, rock, and at ultra-low temperatures? [Question 4-3]

*Afternoon Session*

**Closing Plenary Session**

Session Reports, ILEWG Declaration, LEAG Summary findings, etc.