

Thursday, October 30, 2008
PRECURSOR MISSIONS II
1:30 p.m. Salon III

*What are the needs/advantages of robotic missions for advancing lunar science/benefiting human exploration?
What precursor lunar surface experiments are highest priority for space settlement/commercial development?*

Chair: P. Eckert

- 1:30 p.m. Wegeng R. S. * Mankins J. C. Balasubramaniam R. Sacksteder K. Gokoglu S. A.
Sanders G. B. Taylor L. A.
[Lunar Rovers and Thermal Wadis Based on Processed Regolith](#) [#4091]
- 1:50 p.m. Hintze P. E. * Curran J. P. Back T. A.
[The use of Solar Heating and Heat Cured Polymers for Lunar Surface Stabilization](#) [#4062]
- 2:10 p.m. Kohut J. N. * Gump D. P.
[Commercial Lunar Data Collection and Licensing to Reduce Exploration Costs](#) [#4066]
- 2:30 p.m. Singh J. P. *
[Possibility of a Moon Based Terrestrial Defence System for the Earth](#) [#4068]
- 2:50 p.m. Milam M. B. * Lewis R.
[Unpressurized Cargo ORION a Launch Opportunities for Lunar Missions](#) [#4092]
- 3:10 p.m. Dunlop D. A. *
[Contract Incentives for an Open Architecture International Lunar Network Including Google Lunar X-Prize](#) [#4042]
- 3:30 p.m. Durst S. *
[International Lunar Observatory Association \(ILOA\): 3 Mission Update — ILO-X Precursor, ILO-1 Polar, ILO Human Service Mission](#) [#4053]
- 3:50 p.m. Konesky G. A. *
[Enhanced GPS Accuracy Using Lunar Transponders](#) [#4041]
- 4:10 p.m. Zacny K. * Wilson J. Ashley A. Santoro C. Sudano M. Lee S. Kobayashi L. Fong T.
Deans M.
[Geotechnical Property Tool on NASA Ames K-10 Rover](#) [#4001]
- 4:30 p.m. Gibson E. K. * Pillinger C. T. McKay D. S. Wright I. P. Sims M. R. Richter L. Waugh L.
Lunar Beagle Consortium
[Lunar Beagle: A Science Package for Measuring Polar Ice and Volatiles on the Moon](#) [#4027]
- 4:50 p.m. ten Kate I. L. * Malespin C. A. Glavin D. P. VAPoR Team
[VAPoR Breadboard Development, First Pyrolysis Results](#) [#4038]