

Wednesday, September 15, 2010

UNEXPLORED REGIONS ON THE MOON AND IMPACT HISTORY OF THE
INNER SOLAR SYSTEM. HOW CAN RECENT DISCOVERIES DRIVE THE
NEXT GENERATION OF ROBOTIC LUNAR MISSIONS?

1:30 p.m. Columbia Ballroom I

Chairs: Stephen Mackwell
Greg Schmidt

- 1:30 p.m. Garry W. B. * Bleacher L. V. Bleacher J. E. Petro N. E. Mest S. C.
[What if Apollo Explored Washington D.C.? Lunar Exploration in the Context of Our Nation's Capital](#) [#3067]
- 1:45 p.m. Zuber M. T. * Smith D. E. Lehman D. H. Watkins M. M. GRAIL Team
[Prospects for Understanding the Internal Structure and Thermal Evolution of the Moon: Status and Plans for the Gravity Recovery and Interior Laboratory \(GRAIL\) Mission](#) [#3028]
- 2:00 p.m. Cohen B. A. * Bassler J. A. Ballard B. Chavers D. G. Eng D. S. Hammond M. S. Hill L. A. Harris D. W. Holloway T. A. Kubota S. Morse B. J. Mulac B. D. Reed C. L. B.
[NASA's International Lunar Network Anchor Nodes and Robotic Lunar Lander Project Update](#) [#3025]
- 2:15 p.m. Shearer C. K. * Burger P. V. Guan Y. Papike J. J. Sutton S.
[Vapor Element Transport in the Lunar Crust. Implications for Lunar Crustal Processes, Water on the Moon and Lunar Ore Deposits](#) [#3031]
- 2:30 p.m. Garry W. B. * Hawke B. R. Robinson M. S.
[Volcanism on the Aristarchus Plateau: Details from the Lunar Reconnaissance Orbiter Camera](#) [#3054]
- 2:45 p.m. Bussey D. B. J. * Mini-RF Team
[Mini-RF: A Synthetic Aperture Radar on Lunar Reconnaissance Orbiter](#) [#3068]
- 3:00 p.m. Lawrence S. J. * Jolliff B. L. Denevi B. W. Hawke B. R. Robinson M. S. Stopar J. D. Banks M. E. Garry W. B. Sato H. Bray V. J. LROC Team
[LROC Views the Constellation Regions of Interest: Science and Exploration Observations](#) [#3032]
- 3:15 p.m. Petro N. E. * Pieters C. M. M³ Science Team
[Compositional Diversity in the South Pole-Aitken Basin \(SPA\) as Viewed by the Moon Mineralogy Mapper \(M³\)](#) [#3069]
- 3:30 p.m. Jolliff B. L. * Shearer C. K. Papanastassiou D. A. Alkalai L. MoonRise Team
[MoonRise: South Pole-Aitken Basin Sample Return Mission for Solar System Science](#) [#3072]
- 3:45 p.m. Robinson M. S. * Lawrence S. J. Speyerer E. J. Tran T. Wettergreen D. Cloutis E. A. Spence H. E. Klaus K.
[Lunar Roving Prospector: A Long Duration Explorer](#) [#3046]
- 4:00 p.m. Kring D. A. *
[The Moon — A Guiding Light of Space Exploration](#) [#3055]

4:15 p.m. Delano J. W. * Zellner N. E. B. Swindle T. D.
[*Lunar Impact Glasses and Biomolecular Clocks*](#) [#3035]

4:30 p.m. PANEL DISCUSSION

Panelists:	Mackwell S. J.	Schmidt G.
	Shearer C. K.	Cohen B. A.
	Petro N. E.	Bussey D. B. J.

5:30 p.m. ADJOURN