

Tuesday, October 23, 2012
THE COLD-HEARTED ORB THAT RULES THE NIGHT
1:45 p.m. Conference Room W150

Examination of results from previous and ongoing lunar missions

Chairs: Mark Robinson
Clive Neal

- 1:45 p.m. Robinson M. S. * LROC Team
[LROC Exploration of the Moon](#) [#3051]
- 2:00 p.m. Klima R. L. * Cahill J. T. S. Hagerty J. Lawrence D.
[Bullialdus Crater: A Rare Window into Lunar Plutonism and Late-Stage Magma Ocean Fluids](#) [#3015]
- 2:15 p.m. Bussey D. B. J. * Schulze R. Wahl D. E. Patterson G. W. Nolan M. Jensen J. R. Turner F. S. Yocky D. A. Cahill J. T. S. Jakowatz C. V. Raney R. K. Mini-RF Team
[Bistatic Radar Observations of the Moon Using the Arecibo Observatory and Mini-RF on LRO](#) [#3010]
- 2:30 p.m. Greenhagen B. T. * Paige D. A. Diviner Science Team
[Thermal, Thermophysical, and Compositional Properties of the Moon Revealed by the Diviner Lunar Radiometer](#) [#3049]
- 2:45 p.m. Retherford K. D. * Stern S. A. Gladstone G. R. Cook J. C. Egan A. F. Miles P. F. Parker J. Wm. Kaufmann D. E. Greathouse T. K. Tsang C. C. C. Versteeg M. H. Mukherjee J. Davis M. W. Bayless A. J. Feldman P. D. Hurley D. M. Pryor W. R. Hendrix A. R.
[Scientific Breakthroughs from the LRO-Lyman Alpha Mapping Project \(LAMP\)](#) [#3026]
- 3:00 p.m. Sanin A. B. * Mitrofanov I. G. Litvak M. L. Malakhov A. Boynton W. V. Chin G. Droege G. Evans L. G. Garvin J. Golovin D. V. Harshman K. McClanahan T. P. Milikh G. Mokrousov M. I. Sagdeev R. Z. Starr R. D.
[Searching for Water Ice Permafrost: LEND Results for About Three Years of Observations](#) [#3020]
- 3:15 p.m. BREAK
- 3:30 p.m. Boynton W. V. * Droege G. F. Harshman K. Schaffner M. A. Mitrofanov I. G. McClanahan T. P. LEND Team
[Latitudinal Enrichment of Hydrogen in the Lunar Polar Regions: Constraints on Hydrogen Mobility](#) [#3029]
- 3:45 p.m. Livengood T. A. * Chin G. Mitrofanov I. G. Boynton W. V. Sagdeev R. Litvak M. McClanahan T. P. Sanin A. B.
[Hydrogen-Bearing Volatiles at the Lunar Equatorial Terminator](#) [#3040]
- 4:00 p.m. Glenar D. A. * Stubbs T. J. Farrell W. M. Keller J. W. Vondrak R. R.
[The Search for a High Altitude Dust Exosphere: Observational Status and Dust Upper Limits](#) [#3008]
- 4:15 p.m. Singer S. F. *
[Questions About Lunar Origin](#) [#3004]

- 4:30 p.m. Sasaki S. * Kikuchi F. Matsumoto K. Noda H. Araki H. Hanada H. Yamada R. Goossens S. Kunitani H. Iwata T. Kawaguchi N. Kono Y.
[Exploration of Deep Interior of the Moon from Measurements of Changes of Long-Wavelength Gravity and Rotation](#) [#3018]
- 4:45 p.m. Stubbs T. J. * Glenar D. A. Jordan A. P. Wang Y. Vondrak R. R. Collier M. R. Farrell W. M. Zimmerman M. I. Schwadron N. A. Spence H. E.
[Interplanetary Conditions During the Apollo Missions: Implications for the State of the Lunar Environment](#) [#3019]
- 5:00 p.m. DISCUSSION