

Monday, October 22, 2012
POSTER SESSION: EXPLORATION OF THE MOON
5:30–6:30 p.m. Conference Room W120

Mall U. Bugiolacchi R. Woehler C. Grumpe A.

[Mineral Investigation Through the Combined Analysis of NIR and Image-Based 3D Shape Reconstructed Topographic Data](#) [#3016]

Patterson G. W. Raney R. K. Cahill J. T. S. Bussey D. B. J. Mini-RF Team

[Characterization of Lunar Crater Ejecta Deposits Using m-chi Decompositions of Mini-RF Radar Data](#) [#3017]

Jolliff B. L. Robinson M. S. Watters T. R.

[LROC Observations in the LRO Extended Mission](#) [#3052]

Su J. J. Khachatryan R. Sagdeev R. Usikov D. Milikh G. Chin G.

[Monte Carlo Simulations in Support of Orbital Neutron Detection by the LEND Instrument On Board of LRO Spacecraft](#) [#3021]

Usikov D. McClanahan T. Sagdeev R. Khachatryan R. Milikh G. Chin G. Su J. J.

[LEND: Going Beyond Nominal Angular Resolution](#) [#3031]

McClanahan T. P. Chin G. Livengood T. LEND Team LOLA Team

[Is Drygalski Crater Wet? Joint Analysis of Lunar Epithermal Neutrons from the LRO LEND and Lunar Prospector Neutron Spectrometers](#) [#3028]

Wilson J. K. Spence H. E. Case A. W. Blake J. B. Golightly M. J. Kasper J. Looper M. D. Mazur J. E. Schwadron N. Townsend L. W. Zeitlin C.

[Cosmic Ray Albedo Proton Yield Correlated with Lunar Elemental Abundances](#) [#3014]

Zimmerman M. I. Farrell W. M. Jackson T. L. Stubbs T. J.

[Toward Understanding the Lunar Electrostatic Environment in the Vicinity of Complex Polar Topography](#) [#3035]

Mest S. C. Dworzanczyk A. R. Calzada-Diaz A. Bleacher J. E. Petro N. E. Yingst R. A.

[Update on the Scientific Characterization of Lunar Regions of Interest](#) [#3042]

Merkowitz S. M. Preston A. M.

[Next Generation Lunar Laser Ranging](#) [#3022]

Petro N. E. Votava J. E.

[ArcGIS Digitization of Apollo Surface Activities: A Spatial Database of Traverses, Samples, and Images](#) [#3036]

Speyerer E. J. Lawrence S. J. Stopar J. D. Burns K. N. Robinson M. S.

[Traverse Planning Using Lunar Reconnaissance Orbiter Narrow Angle Camera Digital Elevation Models](#) [#3044]

Clark P. E. Rilee M. L. Curtis S. A.

[Frontier: Towards Onboard Intelligence for More Capable Next Generation Space Assets](#) [#3002]

Colaprete A. Elphic R. Heldmann J. Ennico K. Mattes G. Sanders J.

[Near Real-Time Prospecting for Lunar Volatiles: Demonstrating RESOLVE Science in the Field](#) [#3038]

Malespin C. A. Glavin D. P. ten Kate I. L. Franz H. B. Mumm E. Getty S. Southard A. Mahaffy P.

[Volatile Analysis by Pyrolysis of Regolith for Planetary Resource Exploration](#) [#3013]

Crosby K. M. Werlink R. Mathe S. Lubick K.

[Modal Evaluation of Fluid Volume in Spacecraft Propellant Tanks](#) [#3005]

Farrell W. M. Killen R. M. Delory G. T.
[DREAM Center for Lunar Science: A Three Year Summary Report](#) [#3027]

Mahanti P. Robinson M. S. Boyd A. Speyrer E.
[Informed Line-of-Sight Communications on the Lunar Surface Using LRO NAC DEMs](#) [#3006]

Spence H. E. Schwadron N. A. Gorby M. Joyce C. Quinn M. LeVeille M. Smith S. Wilson J. Townsend L. Cucinotta F.
[PREDICCs: A Radiation Prediction Tool for Lunar, Planetary, and Deep Space Exploration](#) [#3032]

Gorby M. J. Schwadron N. A. Linker J. A. Spence H. E. Townsend L. W. Cucinotta F. A. Wilson J. K.
[From CMEs to Earth/Lunar Radiation Dosages: A First in Heliospheric End-to-End Coupling](#) [#3043]

Deans M. C. Smith T. Lees D. S. Scharff E. B. Cohen T. E. Lim D. S. S.
[Ground Data Systems for Real Time Lunar Science](#) [#3045]

Chi P. J.
[A Revisit to Apollo Magnetic Field Records for Sounding of the Lunar Interior](#) [#3039]

Karachevtseva I. Zubarev A. Nadezhdina I. Kozlova N. Gusakova E.
[Mapping of Luna-17 Landing Site and Reconstruction of Lunokhod-1 Stereo Panoramas](#) [#3024]

Jin Y.-Q.
[Simulation of Radar Sounder Echoes and Inversion of Lunar Subsurface](#) [#3003]

Monday, October 22, 2012
VISITOR'S CENTER EVENT HIGHLIGHTING THE LRO EXHIBIT
6:00–8:00 p.m. NASA Goddard Visitor's Center