

Wednesday, October 3, 2007
POSTER SESSION I
6:00–8:00 p.m.

International Partnerships

Schneck T.

[*Toward a Standard Moon*](#)

Jaumann R. Spohn T. Hiesinger H. Jessberger E. K. Neukum G. Oberst J. Helbert J. Christensen U. Keller H. U. Mall U. Boehnhardt H. Hartogh P. Glassmeier K.-H. Auster H.-U. Moraira A. Werner M. Paetzold M. Palme H. Wimmer-Schweingruber R. Manda M. Flechtner F. Lesur V. Haeusler B. Srama R. Kempf S. Hoerd A. Eichtenopf K. Hauber E. Hoffmann H. Koehler U. Kuehrt E. Michaelis H. Pauer M. Sohl F. Denk T. van Gasselt S.

[*Lunar Exploration Orbiter \(LEO\): Providing a Globally Covered, Highly Resolved, Integrated Geological, Geochemical and Geophysical Data Base of the Moon*](#)

ISRU, Outpost Sustainment, and Robotic Missions

Brown I. I. Jones J. A. Garrison D. Bayless D. Sarkisova S. A. Sanders G. B. McKay D. S.

[*Biotechnologies at Lunar Outpost and Beyond*](#)

Stillman D. E. Grimm R. E.

[*Scientific and Resource Characterization of Lunar Regolith Using Dielectric Spectroscopy*](#)

Heldmann J. L. Colaprete T. Wooden D. Asphaug E. Schultz P. Plesko C. S. Ong L. Korycansky D. Galal K. Briggs G.

[*Lunar Crater Observation and Sensing Satellite \(LCROSS\) Mission: Opportunities for Observations of the Impact Plumes from Ground-based and Space-based Telescopes*](#)

Colaprete A. Briggs G. Ennico K. Wooden D. Heldmann J. L. Sollitt L. Asphaug E. Schultz P. Christensen A. Galal K.

[*An Overview of the Lunar Crater Observation and Sensing Satellite \(LCROSS\) Mission — An ESMD Mission to Investigate Lunar Polar Hydrogen*](#)

Ennico K. Colaprete A. Wooden D. Heldmann J. L. Lynch D. Kojima G. Shirley M.

[*LCROSS Science Payload Ground Development, Test, and Calibration Results*](#)

Cooper B. L. Schunk D. G.

[*ISRU Will Make the Difference Between Going Back to the Moon to Visit and Going Back to the Moon to Stay*](#)

Gertsch L. S.

[*Priorities for Demonstrating Lunar ISRU Capabilities*](#)

Elphic R. C. Kobayashi L. Allen M. Bualat M. Deans M. Fong T. Lee S. To V. Utz H.

[*Enabling Exploration: Robotic Site Surveys and Prospecting for Hydrogen*](#)

Miura Y.

[*Exploration of Carbon-bearing Materials on the Moon*](#)

Wang A. Ling Z. C. Jolliff B. L.

[*Planetary Raman Spectroscopy for Surface Exploration and In Situ Resource Utilization on the Moon*](#)

Weinberg J. D. Craig R. Earhart P. Gravseth I. Miller K. L.

[*Flash LIDAR Systems for Hazard Detection, Surface Navigation and Autonomous Rendezvous and Docking*](#)

Tietz S.

[*The Idea of a Student Built Lunar Orbiter*](#)

Garrick-Bethell I. West J. J. Lawrence d. J. Elphic R. C.

[*Rocket Dispersed Instruments: A Mission Architecture for Exploring Lunar Polar Hydrogen*](#)

Kring D. A.

[*Reducing the Risk, Requirements, and Cost of the Human Exploration Phase of the Constellation Program with Robotic Landers and Rovers*](#)

Duke M. B.

[*The Role of Robotic Missions in a Lunar Outpost Strategy*](#)