

Tuesday, July 22, 2008

10:30 a.m. CONTRIBUTED SESSIONS:

LIFE SCIENCES ON THE MOON

Ballroom

Chair: R. L. Kerschmann

Ehrenfreund P. * Foing B. H.

[*Astrobiology, Habitability and the Moon*](#) [#2133]

Brown C. S. * Martin-Brennan C. M. Janes H. W. Mitchell C. A.

[*Human Habitation on the Moon: Closing the Loop — What is Stopping Us?*](#) [#2126]

Straume T. *

[*Ionizing Radiation Hazards on the Moon*](#) [#2167]

Massa G. D. * Morrow R. C. Bourget C. M. Mithcell C. A.

[*Innovations in LED Lighting for Reduced-ESM Crop Production in Space*](#) [#2153]

Tranfield E. Radk J. C. McCrossin C. Wallace W. T. Kuhlman K. R. Taylor L.

Jeevarajan A. S. Kerschmann R. Loftus D. J. *

[*Chemical Reactivity of Lunar Dust as it Pertains to Biological Systems*](#) [#2158]

EFFECTS OF EXPLORATION ON THE LUNAR ENVIRONMENT

Patio Room

Chair: C. P. McKay

Race M. *

[*Planetary Protection: On the Moon and Learning for Mars*](#)

Mendell W. *

[*Environmental Effects of Human Exploration on the Moon*](#)

Hargrove E. C. *

[*The Preservation of Non-Biological Environments in the Solar System*](#)

LUNAR PLASMAS

North Room

Chair: S. Davis

Halekas J. S. * Delory G. T. Stubbs T. J. Farrell W. M. Lin R. P.

[*The Dynamic Plasma and Electric Field Environment near the Lunar Terminator and Polar Regions*](#) [#2036]

Wilson T. L.

[*Dust on the Moon and Dusty Plasma Physics*](#) [#2007]

Horányi M. * Grün E. Munsat T. Robertson S. Sternovsky Z. Wang X.

[*Dusty Plasmas on the Lunar Surface*](#) [#2043]

Colwell J. E. Grund C. J. Britt D. T.

[*Mechanical and Electrostatic Behavior of Lunar Dust*](#) [#2143]

Delory G. T. * Farrell W. M. Halekas J. S. Stubbs T. Lin R. P. Bale S. Vondrak R.

[*The Dynamic Lunar Environment: Plasmas, Neutrals, and Dust*](#) [#2086]