

Wednesday, October 29, 2008
DEFINING THE PATH FOR HUMAN RETURN TO THE MOON
8:30 a.m. Salon I

*What technologies need to be developed now for human return to the Moon (and beyond)?
 What are the critical elements for robotic development, habitats, and hazard prevention?*

Chair: B. H. Foing

- 8:30 a.m. Hovland S.
[ESA Preparation for Human Exploration](#) [#4085]
- 8:50 a.m. Raja R. P. * Rakesh A. Krishna T. N.
[A Study of Transnational Mission Crew Management](#) [#4018]
- 9:10 a.m. Boche-Sauvan L. * Foing B. H.
[Constraints on the Pre-Design of a Minimal Human Lunar Outpost](#) [#4115]
- 9:30 a.m. Boldoghy B. Kummert J. Varga T. P. * Szilágyi I. Darányi I. Bérczi Sz.
 Varga T. N. Hudoba G. Jr.
[Complex Architectural Concept and Technology for Creating Buildings of Great Inner Space on the Moon, with Low Asset Requirement and High Efficiency](#) [#4074]
- 9:50 a.m. Mitchell C. A. * Both A. J. Bourget C. M. Brown C. S. Ferl R. J. Gianfagna T. J.
 Janes H. W. Lomax T. L. Massa G. D. Monje O. Morrow R. C. Orvis K. O. Paul A. L.
 Sederoff H. W. Stutte G. W. Wheeler R. M. Yorio N. C.
[Enabling Sustainable Habitation at the Lunar Base](#) [#4097]
- 10:10 a.m. Cardiff E. H. Hall B. C. *
[A Dust Mitigation Vehicle Utilizing Direct Solar Heating](#) [#4100]
- 10:30 a.m. Thangavelu M. *
[Critical Strategies for Return to the Moon: Altair Dust Mitigation and Real Time Teleoperations Concepts](#) [#4056]
- 10:50 a.m. Crosby K. M. * Agui J. Pennington C. Sorensen E. Martin E. Fritz I. Frye B.
[Inertial Filtration of Lunar Dust in Reduced Gravity](#) [#4073]
- 11:10 a.m. Smith D. J. Roberson L. B. * Mueller R. Metzger P.
[Rapidly Deployable Blast Barriers for Lunar Surface Operations](#) [#4045]
- 11:30 a.m. Clegg R. N. * Metzger P. T. Huff S. Roberson L. B.
[Lunar Soil Erosion Physics for Landing Rockets on the Moon](#) [#4122]
- 11:50 a.m. Tranfield E. * Rask 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 Relevant to Humans](#) [#4110]