

Wednesday, October 29, 2008
TECHNOLOGY DEVELOPMENTS FACILITATING
EXPLORATION AND INTERNATIONAL “ON-RAMPS”
1:30 p.m. Salon III

What technologies need to be developed now for human return to the Moon (and beyond)?
What are logical architectures/open implementation to allow effective integration of international elements?

Chair: D. T. Blewett

- 1:30 p.m. Weisbin C. * Lincoln W. Elfes A. Smith J. Adumitroaie V. Hua H.
 Shelton K. Mrozinski J.
[*Determining Technology Priorities to Enhance Lunar Surface Science Mission Productivity*](#) [#4015]
- 1:50 p.m. Blewett D. T. * Patterson G. W. McGovern J. A. Lopez N. R.
[*Assessing Safe Lunar Landing Site Statistics with Synthetic DEMs*](#) [#4093]
- 2:10 p.m. Patterson G. W. * Lopez N. R. Blewett D. T. McGovern J. A.
[*Characterizing Potential Lunar Landing Sites Using Synthetic DEMs*](#) [#4095]
- 2:30 p.m. Akin D. L. *
[*Developing an Aerial Transport Infrastructure for Lunar Exploration*](#) [#4096]
- 2:50 p.m. Hufenbach B. * Leshner R.
[*The NASA-ESA Comparative Architecture Assessment*](#) [#4005]
- 3:10 p.m. Mongrard O. * Schlutz J. Hufenbach B.
[*European Architecture for Lunar Exploration*](#) [#4023]
- 3:30 p.m. Peter N. *
[*Global Space Exploration Until 2025 a European Perspective*](#) [#4088]
- 3:50 p.m. Rodriguez G. * Slane F.
[*Integrating a Modular Excavator as a Smart Tool into the Space Exploration Infrastructure Using Small Satellite Systems Protocols*](#) [#4031]
- 4:10 p.m. Lebeuf M. * Mader M. M. Williamson M. C.
[*Analogue Missions as an Integration Mechanism to Develop Lunar Exploration Strategies*](#) [#4033]
- 4:30 p.m. Wills D. E. * Foing B. Wills H. H.
[*Astrobiology and Exposure Experiments from the Lunar Surface*](#) [#4120]
- 4:50 p.m. Berg D. * Briscoe J. Chandhok K. Coello E. Colver J. Cox A. Douglas S. Ellsberry A.
 Fields S. Gers D. Hasnain Z. Hasain A. Kirk M. Laing J. Lam M. Leggett J.
 Levashov M. Levin R. Lisee J. Manning O. Mariano T. Mayerovitch J. McCall B.
 McLaren D. Mirvis A. Murphy R. Nacev A. Oberoi H. Onukwubiri U. Petillo S.
 Russell T. Schaffer M. Shishineh A.-R. Zwilling J.
[*Project TURTLE: Terrapin Undergraduate Rover for Terrestrial Lunar Exploration*](#) [#4124]