

Wednesday, May 25, 2016
DEVELOPMENT OF THE MOON AND CISLUNAR SPACE
3:15 p.m. Hess Room

Chairs: Paul Spudis
Jerry Sanders

- 3:15 p.m. Lawrence S. J. * Jolliff B. L. Stopar J. D. Speyerer E. J. Denevi B. W. Robinson M. S. Petro N. E. Gaddis L. Gruener J. Draper D. Thomson B. J. Ostrach L. R.
[*The New View of the Moon: Redefining Future Surface Exploration Using the Lunar Reconnaissance Orbiter*](#) [#6066]
 The profound importance of LRO past and future observations to future Exploration is discussed, as well as the best destinations for surface exploration to achieve core planetary science and human exploration goals.
- 3:30 p.m. Haruyama J. * Kawano I. Nishibori T. Iwata T. Yamamoto Y. Shimada K. Yamamoto K. Hasenaka T. Morota T. Nishino M. N. Hashizume K. Shirao M. Komatsu G. Hasebe N. Shimizu H. Kobayashi K. Yokobori S. Miyake Y. Michikawa Y. Tsuji T. Shinoda R.
[*Lunar Holes and Their Associating Subsurface Caverns: From SELENE \(Kaguya\) to UZUME*](#) [#6033]
 We present a summary of lunar holes and associated caverns. Furthermore, we also introduce the project Unprecedented Zipangu Underworld of the Moon/Mars Exploration (UZUME) to explore the holes and caverns.
- 3:45 p.m. Garry W. B. * Needham D. H. Young K. E. Whelley P. L. Bleacher J. E.
[*A Review of Terrestrial Analogs for the Moon*](#) [#6027]
 The purpose of this review will be to describe terrestrial geologic analogs that have been used to study lunar geologic processes including: volcanism, impact cratering, structural, and surface processes.
- 4:00 p.m. Young K. E. * Bleacher J. E. Rogers A. D. Evans C. A. McAdam A. Garry W. B. Carter L. Graff T. Scheidt S. Glotch T. D. Zeigler R. Niles P. Abell P.
[*The Use of Field Portable Instrumentation in Preparing for the Next Generation of Lunar Surface Exploration*](#) [#6078]
 While Apollo sample collection was enabled by basic sampling tools, in situ analytical instrumentation is now being developed for fieldwork. It is critical that the lunar community develop this technology for the future of lunar surface exploration.
- 4:15 p.m. Bleacher J. E. * Eppler D. B. Evans C. A. Zeigler R. A.
[*Preparing Human Explorers for Surface Science Operations on the Moon*](#) [#6073]
 If the Moon becomes a destination for human operations it is critical that the developing architecture and training programs evolve along with our scientific knowledge.
- 4:30 p.m. Monitored by Session Chairs
3-Minute Lightning Round of New Data and Perspectives
- 4:45 p.m. DISCUSSION