

Friday, May 5, 2017
LUNAR RESOURCES, SURFACE OPERATIONS, REGOLITH
1:30 p.m. Aula Conference Room

Topics include discussion of lunar resources, surface operations, the lunar regolith, and chapter summaries covering these topics.

Chair: Clive Neal

- 1:30 p.m. Kolodziejczyk A. * Vos H. C. Harasymczuk M. Krański M. Foing B. H.
[Using Lunar Regolith for Organics: Plant Growth Test Using Soil Analogues](#) [#6041]
 Plant development depends on environmental factors such light, humidity and temperature, seed quality, contaminations, and soil type. We study the use of lunar regolith simulants from Eifel volcanic region on the growth of plants.
- 1:45 p.m. Foing B. H. *
[Update from Moon Village Workshops and Studies](#) [#6043]
 We report on Moon Village workshops that gathered multi-disciplinary professionals to discuss Moon habitat design, science and technology potentials of the Moon Village, and engaging stakeholders. We also report studies and activities that followed.
- 2:00 p.m. Eppler D. * Bleacher J. Bell E. Cohen B. Deans M. Evans C. Graff T. Head J. Helper M. Hodges K. Hurtado J. Klaus K. Kring D. Schmitt H. Skinner J. Spudis P. Tewksbury B. Young K. Yingst A.
[A Framework for Lunar Surface Science Exploration](#) [#6022]
 Successful lunar science will be dependent on mission concept, mobility, robotic/human assets, crew training, field tools, and IT assets. To achieve good science return, element integration must be considered at the start of any exploration program.
- 2:15 p.m. Plescia J. B. * Robinson M. S. Kramer G.
[Lunar Regolith — New Views](#) [#6048]
 The regolith presented is viewed as a much more complicated system than previously recognized.
- 2:30 p.m. Plescia J. B. * Robinson M. S. Clegg-Watkins R. Fa W. Ghent R. Harayuma J. Hiesinger H. Hirata N. Kramer G. Lawrence S. Mahanti P. Ostrach L. Patterson W. Spudis P. Stopar J. Siegler M. Speyerer E. Stickle A. Williams j. P. Zanetti M. Zellner N.
[Surface Processes](#) [#6049]
 The Surface Processes chapter will provide an update on our current understanding of surface processes.
- 2:45 p.m. DISCUSSION
- 3:00 p.m. BREAK