

Thursday, March 22, 2018  
PHOBOS AND DEIMOS I  
3:45 p.m. Waterway Ballroom 5

[R554]

**Chairs: Driss Takir**

- 3:45 p.m. Miyamoto H. \* Niihara T. Wada K. Ogawa K. Baresi N. et al.  
[Phobos Environment Model and Regolith Simulant for MMX Mission](#) [#1882]  
We study Phobos surface environment for the MMX mission and develop the regolith structure and the surface roughness model as well as Phobos simulant.
- 4:00 p.m. Bandfield J. L. \* Piqueux S. Glotch T. D. Shirley K. A. Duxbury T. C. et al.  
[Mars Odyssey THEMIS Observations of Phobos: New Spectral and Thermophysical Measurements](#) [#2643]  
TIR observations of Phobos show evidence for a layered regolith and silicates. Comparison with previous work suggests significant compositional heterogeneity.
- 4:15 p.m. Hyodo R. H. \* Genda H. G. Charnoz S. C. Pignatale F. P. Rosenblatt P. R. et al.  
[Physical and Chemical Properties of Phobos and Deimos in a Giant Impact Hypothesis](#) [#1273]  
We will present expected physical and chemical properties of martian moons, Phobos and Deimos, in a framework of giant impact hypothesis.
- 4:30 p.m. Kikuchi H. \*  
[Ejecta Emplacements of Lintoc Impact on Phobos](#) [#1898]  
Using three-body simulations with a shape model of Phobos, we examine the emplacement of Lintoc impact.