

Tuesday, June 14, 2011
INDIGENOUS VOLATILE RESERVOIRS
8:30 a.m. Lecture Hall

Chairs: Francis McCubbin
Malcolm Rutherford

- 8:30 a.m. Hirschmann M. * [INVITED TALK]
[*An Overview of Hydrous Lunar Magmatism, with an Emphasis on the Possible Role of Dissolved Molecular Hydrogen in Lunar Basalts*](#) [#6069]
- 8:50 a.m. Jones J. H. *
[*Lunar Volatiles: An Earth-Moon Perspective*](#) [#6033]
- 9:05 a.m. McCubbin F. M. * Shearer C. K. Jr. Elardo S. M. Sharp Z. D.
[*Magmatic Volatiles in Lunar Apatite: A Hexagonal Prism of Truth or a House of Cards?*](#) [#6051]
- 9:20 a.m. Treiman A. H. * Boyce J. W.
[*Thermochemistry of Apatite and Its Solid Solutions, Apatite-Melt Partitioning, and Implications for the Moon*](#) [#6068]
- 9:35 a.m. Boyce J. W. * [INVITED TALK]
[*Analysis of Volatiles in Apatite: Implications for Quantitative Hygrometry*](#) [#6065]
- 9:55 a.m. Nekvasil H. *
[*New Constraints on the Relative Abundances of Water, F, and Cl in Parental Magmas of KREEP-Bearing Lithologies — Taking Degassing into Account*](#) [#6052]
- 10:10 a.m. Liu Y. * Taylor L. A.
[*Water and Cl in Lunar Basalts: Solubility and Degassing of OH-Cl in Basaltic Magma*](#) [#6030]
- 10:25 a.m. Hauri E. H. * Weinreich T. Saal A. E. Rutherford M. C. Van Orman J. A. [INVITED TALK]
[*Evidence for High Volatile Abundances in Lunar Melt Inclusions*](#) [#6036]
- 10:45 a.m. Saal A. E. * Hauri E. H. Rutherford M. J. Van Orman J. A. [INVITED TALK]
[*The Volatile Contents and D/H Ratios of the Lunar Picritic Glasses*](#) [#6034]
- 11:05 a.m. Greenwood J. P. * Itoh S. Sakamoto N. Warren P. H. Dyar M. D.
Taylor L. A. Yurimoto H. [INVITED TALK]
[*Water in the Moon: Evidence from Hydrogen Isotope Compositions of Lunar Apatite*](#) [#6028]
- 11:25 a.m. Monecke T. Andrews-Hanna J. C. * Hinton R. W. Warren P. H. Kempe U. Gotze J.
[*The Lanthanide Tetrad Effect in Lunar Granites: Evidence for the Occurrence of Water on the Moon?*](#) [#6066]