

Friday, July 30, 2010

EXTRATERRESTRIAL BASALTS: VESTA, ANGRITES AND THE MOON

8:30 a.m. Skyline

Chairs: Akira Yamaguchi
Juliane Gross

- 8:30 a.m. Delaney J. S. *
[Lithological Mapping of Vesta Using Detailed Distribution of Pyroxene Compositions in Howarditic Breccias](#) [#5371]
- 8:45 a.m. Schiller M. * Baker J. A. Bizzarro M. Creech J. Irving A. J.
[Timing and Mechanisms of the Evolution of the Magma Ocean on the HED Parent Body](#) [#5042]
- 9:00 a.m. Bottke W. F. * Vokrouhlicky D. Nesvorný D. Scott E. R. D.
[Using Vesta and Its Fragments to Constrain the History of the Main Asteroid Belt](#) [#5152]
- 9:15 a.m. Yamaguchi A. * Barrat J. A. Ito M.
[Petrology and Thermal History of a Unequilibrated Diogenite, Dhofar 700](#) [#5226]
- 9:30 a.m. McKibbin S. J. * Ireland T. R. Amelin Y. Holden P.
[Initial \$^{53}\text{Mn}/^{55}\text{Mn}\$ in Plutonic Angrites Northwest Africa 4590 and 4801 by Ion Probe](#) [#5172]
- 9:45 a.m. Riches A. J. V. * Day J. M. D. Walker R. J. Liu Y. Taylor L. A.
[Variable Highly Siderophile Element Abundances and Subchondritic \$^{187}\text{Os}/^{188}\text{Os}\$ in the Angrite Parent Body](#) [#5218]
- 10:00 a.m. Hans U. * Kleine T. Bourdon B.
[Chronology of Volatile Loss from Basaltic Achondrite Parent Bodies](#) [#5358]
- 10:15 a.m. Zhang S. * Keller L. P.
[Probing the Iron Oxidation State of Space-Weathered Rims on Lunar Soil Grains at Nm-Scale](#) [#5383]
- 10:30 a.m. Joy K. H. * Taylor G. J. Huss G. R. Nagashima K. Crawford I. A.
[An Unusual Magnesian Troctolitic Gabbro in Lunar Meteorite MAC 88105: An Example of New Rock Types Found in Lunar Meteorites](#) [#5426]
- 10:45 a.m. Nishiizumi K. * Caffee M.
[Ejection \(Launch\) Depths of Lunar Meteorites](#) [#5377]
- 11:00 a.m. Lin Y. * Shen W. Liu Y. Xu L. Hofmann B. A. Mao Q. Tang G. Wu F. Li X.
[Very High-K KREEP-rich Clasts in the Impact Melt Breccia of the Lunar Meteorite SaU 169 — Possible Pristine urKREEP Sample](#) [#5114]
- 11:15 a.m. Takeda H. * Yamaguchi A. Otsuki M. Hiroi T. Ohtake M. Kato M.
[Mineralogical Interpretation on the Feldspathic Highlands of the Moon on the Basis of Some Feldspathic Lunar Meteorites](#) [#5060]
- 11:30 a.m. Münker C. *
[New Constraints on Early Lunar Evolution from High Precision Measurements of High Field Strength Elements in Lunar Rocks](#) [#5144]
- 11:45 a.m. Gross J. * Treiman A. H.
["Massif" Anorthosites in ALHA 81005: Possible Origin from a Diapir?](#) [#5435]