

Wednesday, February 1, 2012
COSMOCHEMICAL ASSESSMENT OF THE LUNAR BASIN-FORMING EPOCH
8:30 a.m. Lecture Hall

Lunar Samples are Analyzed to Determine the Age of Impact Events and the Impactors that Produced Them

Chairs: Richard Walker
David Kring

- 8:30 a.m. Kring D. A. *
Welcome and Introduction
- 8:35 a.m. Wasserburg G. J. *
The Terminal Lunar Cataclysm and the Late Heavy Bombardment of the Inner Solar System
- 9:00 a.m. Kring D. A. *
[*New Insights to Early Bombardment Processes from Accretion Through the Basin-Forming Epoch*](#) [#4015]
- 9:20 a.m. Norman M. D. * Nemchin A. A.
[*Large Impacts at 4.2 Ga from Uranium-Lead Dating of Lunar Melt Breccias*](#) [#4013]
- 9:40 a.m. Zellner N. E. B. * Swindle T. Delano J. W.
[*Understanding the Significance of Lunar Sample Data for Interpreting Lunar Impact History*](#) [#4011]
- 10:00 a.m. *Coffee Break*
- 10:10 a.m. Neukum G. Basilevsky A. T. * Kneissl T. Michael G. G. Ivanov B. A.
[*On the History of Early Meteoritic Bombardment of the Moon: Did the Lunar Terminal Cataclysm Occur?*](#) [#4022]
- 10:30 a.m. Fritz J. P. * Fernandes V. A. S. M.
[*The Heavy Bombardment of the Moon*](#) [#4044]
- 10:50 a.m. Galenas M. G. Liu J. G. * Walker R. J.
[*¹⁸⁷Os/¹⁸⁸Os and Highly Siderophile Element Characteristics of Apollo 16 and 17 Impact-Melt Breccias*](#) [#4003]
- 11:10 a.m. Joy K. H. * Zolensky M. E. Ross D. K. McKay D. S. Kring D. A.
[*Direct Detection of Projectile Relics on the Moon*](#) [#4035]
- 11:25 a.m. *Lunch*