

Thursday, February 2, 2012
ACCRETION AND IMPACT BOMBARDMENT OF THE EARTH
8:30 a.m. Lecture Hall

Developing Methods to Evaluate the Accretion and Bombardment of the Earth

Chairs: Marc Norman
David Kring

- 8:30 a.m. Salmon J. J. * Canup R. M.
[*How Much Earth-Like Material Could the Moon Accrete?*](#) [#4012]
- 8:50 a.m. Walker R. J. * Touboul M. Puchtel I. S.
[*Application of the \$^{182}\text{Hf}\$ - \$^{182}\text{W}\$ Isotope System to Constraining the Timing of Late Accretion to the Earth and Moon*](#) [#4004]
- 9:10 a.m. Koeberl C. *
[*Search for a Geochemical Record of the Late Heavy Bombardment on Earth*](#) [#4046]
- 9:30 a.m. Wielicki M. M. * Harrison T. M. Schmitt A. K.
[*Geochemical Signatures and Magmatic Stability of Impact Produced Zircon*](#) [#4041]
- 9:50 a.m. Bell E. * Abbott S. Harrison M.
[*A Search for Evidence of Extraterrestrial Impacts in Jack Hills Zircons*](#) [#4047]
- 10:10 a.m. *Coffee Break*
- 10:20 a.m. Abramov O. * Kring D. A. Mojzsis S. J.
[*Modeling of Impact-Induced Age Resetting and Partial Pb-Loss in Zircon Grains*](#) [#4042]
- 10:40 a.m. Johnson B. C. * Melosh H. J.
[*New Estimates for the Number of Large Impacts Throughout Earth's History*](#) [#4027]
- 11:00 a.m. Bottke W. F. * Vokrouhlicky D. Minton D. Nesvorny D. Morbidelli A.
Brasser R. Simonson B.
[*The Great Archean Bombardment*](#) [#4036]
- 11:20 a.m. Goderis S. * Belza J. Claeys Ph.
[*The Impact Cratering Record for Clues on the Rate of Collisions and Provenance*](#) [#4010]
- 11:40 a.m. de Niem D. * Kührt E. Morbidelli A. Motschmann U.
[*Planetary Atmospheres During an Enhanced Bombardment*](#) [#4021]
- 12:00 p.m. *Lunch*