

Thursday, February 2, 2012
THE COLLISIONAL RECORD ON MARS AND AMONG ASTEROIDS
1:30 p.m. Lecture Hall

*Cosmochemical and Geological Data are Evaluated
to Constrain the Collisional Evolution of Mars and the Asteroid Belt*

Chairs: William Bottke
Alessandro Morbidelli

- 1:30 p.m. Bogard D. D. *
[LHB Evidence on Asteroids](#) [#4001]
- 1:55 p.m. Hopkins M. D. * Mojszis S. J.
[Early Thermal Events in the HED Parent Body \(4 Vesta\) Recorded in Zircon U-Th-Pb Depth Profiles from Millbillillie Brecciated Eucrite](#) [#4029]
- 2:15 p.m. Cohen B. A. *
[The Vestal Cataclysm](#) [#4017]
- 2:35 p.m. O'Brien D. P. * Marchi S. Schenk P. Mittlefehldt D. W. Jaumann R. Ammannito E. Buczkowski D. L. De Sanctis M. C. Filacchione G. Gaskell R. Hoffmann M. Joy S. Le Corre L. Li J. Y. Nathues A. Polanskey C. Preusker F. Rayman M. Raymond C. A. Reddy V. Roatsch T. Russell C. T. Turrini D. Vincent J. B. Dawn Science Team
[The Impact History of Vesta: New Views from the Dawn Mission](#) [#4031]
- 2:55 p.m. Corrigan C. M. * Cohen B. A. Hodges K. Lunning N. L.
[3.9 Billion Years Ago and the Asteroid Belt](#) [#4034]
- 3:15 p.m. *Coffee Break*
- 3:25 p.m. Schmedemann N. * Kneissl T. Michael G. Wagner R. Neukum G. Nathues A. Sierks H.
[Crater Size-Frequency Distributions and Chronologies of Asteroids](#) [#4045]
- 3:45 p.m. Minton D. A. * Bottke W. F. Frey H. V. Lillis R. J. Roberts J. H. Stewart S. T.
[The Early Bombardment History of Mars Revealed in Ancient Megabasins](#) [#4040]
- 4:05 p.m. Robbins S. J. * Hynek B. M.
[Revising the Earliest Recorded Impact History of Mars and Implications for the Late Heavy Bombardment](#) [#4039]
- 4:25 p.m. Righter K. *
[Martian Mantle HSE Abundances do not Require Late Chondritic Addition](#) [#4033]
- 4:45 p.m. Cuk M. *
[LHB was Caused by Mars-Crossers, and It was not all that Heavy](#) [#4002]