

Wednesday, June 3, 2009

**IMPACT CRATERS: HYDROLOGY, MINERALOGY AND HYDROTHERMAL ACTIVITY**  
**8:30 a.m. Lecture Hall**

- 8:30 a.m. Kring D. A. \* [INVITED]  
[\*Delivery and Redistribution of Volatiles on Mars During the Basin-forming Epoch: An Overview\*](#) [#4035]
- 9:00 a.m. Maurette M. \* Lefort M.  
[\*Formation and Impact "Maturation" of the Early Arid Meteoroid Atmosphere of Mars\*](#) [#4004]
- 9:15 a.m. Abramov O. \* [INVITED]  
[\*Modeling Hydrothermal Activity Associated with Martian Impact Craters: An Overview\*](#) [#4029]
- 9:45 a.m. Barnhart C. J. \* Nimmo F. Travis B. J.  
[\*Geochemical and Geomorphological Effects of Post-Impact Hydrothermal Systems Incorporating Freezing\*](#) [#4023]
- 10:00 a.m. BREAK
- 10:15 a.m. Newsom H. E. \*  
[\*Constraints for Modeling Chemical Transport During Hydrothermal Alteration in Large and Small Impact Craters\*](#) [#4014]
- 10:30 a.m. Schwenzer S. P. \* Kring D. A.  
[\*Impact-generated Hydrothermal Systems in Mafic to Ultramafic Noachian Crust on Mars\*](#) [#4015]
- 10:45 a.m. El Maarry M. R. \* Markiewicz W. Mellon M. Goetz W.  
[\*Crater Floor Polygons: Desiccation Patterns of Crater Paleolakes?\*](#) [#4021]
- 11:00 a.m. Altheide T. S. \* Chevrier V. F. Rivera-Valentin E. G. Wray J. J.  
[\*Modeling the Stability of an Ancient Paleolake in Columbus Crater, Terra Sirenum, Mars\*](#) [#4030]
- 11:15 a.m. CONCLUDING DISCUSSION
- 12:00 p.m. MEETING ADJOURN