

**Monday, July 26, 2010**  
**PRIMITIVE ACHONDRITES AND THE ALMAHATA SITTA FALL**  
**(DEDICATED TO FINN-ULFF MØLLER)**  
**1:20 p.m. Skyline**

**Chairs: Takashi Mikouchi**  
**Nehru Cherukupalli**

- 1:20 p.m. Haack H. \*  
*Dedication to Finn-Ulff Møller*
- 1:30 p.m. Horstmann M. \* Bischoff A.  
[\*Formation and Evolution of the Highly Unconsolidated Asteroid 2008 TC<sub>3</sub>\*](#) [#5087]
- 1:45 p.m. Kohout T. \* Jenniskens P. Haloda J. Britt D.  
[\*Inhomogeneity of the 2008 TC<sub>3</sub> Asteroid Material \(Almahata Sitta Meteorites\) Revealed Through Physical Properties Measurements\*](#) [#5046]
- 2:00 p.m. Goodrich C. A. \* Goldstein J. Kita N. T. Mikouchi T. Zolensky M. Herrin J. Ash R. D. McDonough W. F. Jenniskens P. M.  
[\*Metal in Ureilitic Fragments of Almahata Sitta\*](#) [#5319]
- 2:15 p.m. Mikouchi T. \* Zolensky M. E. Ohnishi I. Suzuki T. Takeda H. Jenniskens P. Shaddad M. H.  
[\*Transmission Electron Microscopy of Pyroxenes in the Almahata Sitta Ureilite\*](#) [#5348]
- 2:30 p.m. Murty S. V. S. \* Mahajan R. R. Jenniskens P.  
[\*Trapped Nitrogen and Noble Gases in Almahata Sitta Ureilite\*](#) [#5097]
- 2:45 p.m. Ross A. J. \* Steele A. Downes H. Fries M. Jones A. P. Kater L. Smith C. L. Jenniskens P. Shaddad M. Zolensky M.  
[\*Raman Analysis of Diamond in Almahata Sitta and Other Ureilites\*](#) [#5062]
- 3:00 p.m. Warren P. H. \*  
[\*Asteroidal Depth-Pressure Relationships and the Style of the Ureilite Anatexis\*](#) [#5320]
- 3:15 p.m. Smith C. L. \* Ross A. J. Downes H.  
[\*Iron Silicides in Polymict Ureilites — Recording the Complex History of the Ureilite Parent Body?\*](#) [#5221]
- 3:30 p.m. Spivak-Birndorf L. J. \* Wadhwa M. Janney P. E.  
[\*<sup>60</sup>Fe-<sup>60</sup>Ni Isotope Systematics of Bulk Ureilites\*](#) [#5392]
- 3:45 p.m. Charon E. \* Aléon J. Rouzaud J. N.  
[\*Determination of Carbon Origin in Acapulco and Lodran by HRTEM and C, N Isotopes\*](#) [#5277]
- 4:00 p.m. Nehru C. E. \* Boesenberg J. S. Ebel D. S. Weisberg M. K.  
[\*The Tafassasset Primitive Achondrite, Its Origin and Relationship to Chondrites\*](#) [#5305]
- 4:15 p.m. Lindsay F. N. \* Haavisto T. Turrin B. Herzog G. F. Swisher C. C. III  
[\*Single Crystal <sup>40</sup>Ar/<sup>39</sup>Ar Ages from GRA 06129\*](#) [#5322]

- 4:30 p.m. Bajo K. \* Matsuda S. Sumino H. Nagao K. Mikouchi T.  
[\*I-Xe and <sup>39</sup>Ar-<sup>40</sup>Ar Ages of the Unique Achondrite GRA 06129\*](#) [#5089]
- 4:45 p.m. Usui T. \* Jones J. H. Mittlefehldt D. W.  
[\*Experimental Study of the Felsic Asteroidal Crust Formation Recorded in GRA 06128 and GRA 06129\*](#) [#5059]