

Thursday, August 11, 2011

SPECIAL SESSION: LOOKING INSIDE: 3D STRUCTURES OF METEORITES REVEALED
2:00 p.m. KW315

Chairs: Dominik Hezel
Christopher Charles

- 2:00 p.m. Hunt A. C. * Benedix G. K. Howard L.
[*Pontlyfni, the Inside Story: Distribution of Metal and Sulfide Revealed by Micro-Computed Tomography*](#) [#5136]
- 2:15 p.m. Hezel D. C. * Elangovan P. Abel R. L. Howard L. E. Armstrong R.
[*3D Structure of Carbonaceous Chondrites*](#) [#5175]
- 2:30 p.m. Charles C. R. J. * McCausland P. J. A. Umoh J. Holdsworth D. Davis D. W. Gregory D. Tait K. Nicklin I.
[*Compositions of Single Chondrules in the CR2 Chondrite NWA 801 by Medical X-Ray Micro-Computed Tomography*](#) [#5408]
- 2:45 p.m. Ebel D. S. * Downen M. R.
[*Sequential Accretion and Annealing of Separate Silicate and Metal Layers in a CR Chondrite Chondrule*](#) [#5359]
- 3:00 p.m. Imai Y. * Tsuchiyama A. Blum J. Uesugi K. Takeuchi A. Nakano T. Uesugi M.
[*Three Dimensional Micro-Structure of Dust Aggregate by Random Ballistic Deposition Using Micro-Tomography*](#) [#5259]
- 3:15 p.m. Lindgren P. * Lee M. R.
[*3D Microstructure and Calcite Twin Stress Analyses in the Murchison \(CM2\) Meteorite*](#) [#5305]
- 3:30 p.m. Alwmark C. * Schmitz B. Holm S. Marone F. Stampanoni M.
[*3-D Imaging of Mineral Inclusions in Extraterrestrial Chromite Using Synchrotron Radiation X-Ray Tomographic Microscopy*](#) [#5244]
- 3:45 p.m. Matsumoto T. * Tsuchiyama A. Nakamura-Messenger K. Zolensky M. E. Nakano T. Uesugi K.
[*Three-Dimensional Observation and Image Analysis of Organic Nanoglobules in Carbonaceous Chondrites Using X-Ray Microtomography*](#) [#5421]
- 4:00 p.m. Uesugi M. * Uesugi K.
[*Development of a Method for Quantitative Analysis by Synchrotron Radiation X-Ray CT, Toward Hayabusa 2 Mission*](#) [#5218]
- 4:15 p.m. Berlin J. * Käppel A. Hansen B. K. Salge T. Scheller S. Falke M. Goran D. Nemeth I. Chemnitz R. Tagle R. Waldschläger U. Chappell H. M. Jones R. H. Goldstein J. I.
[*3D Chemical Analysis of the Gujba CB Chondrite: Combining \$\mu\$ -XRF, EDS, EBSD, Raman, LA-ICP-MS, and AFM/MFM*](#) [#5428]
- 4:30 p.m. Hu Z. W. * Winarski R.
[*Nondestructive Three-Dimensional Imaging of an Interplanetary Dust Particle at the Nanoscale*](#) [#5288]