

Monday, November 7, 2011
POSTER SESSION: CHONDRITES, ACHONDRITES, AND THEIR COMPONENTS
6:00 p.m. Koloa II and III

Nuth J. A. Johnson N. M.

[*Production of Organic Grain Coatings by Surface Mediated Reactions and the Consequences of this Process for Meteoritic Constituents*](#) [#9021]

Flynn G. J.

[*Organic Grain Coatings in Primitive Interplanetary Dust: A Timescale for Formation of Solar System Organic Matter*](#) [#9143]

Kropf A. Libourel G.

[*Condensation of the First Solar System Solids — Experimental Approaches*](#) [#9057]

Pignatale F. C. Maddison S. T. Liffman K. Brooks G.

[*High Temperature Condensates and Water Vapour in the Solar Nebula*](#) [#9048]

Harries D. Berg T. Palme H. Langenhorst F.

[*The Fate of Metals in the Solar Nebula: From Condensation to Oxidation, Sulfidation, and Nitridation*](#) [#9071]

Han J. Brearley A. J.

[*Complex Thermal Histories of CAI-Like Objects in Amoeboid Olivine Aggregates from the ALHA 77307 CO3.0 Chondrite: Constraints from Microstructural Studies by TEM*](#) [#9084]

Fagan T. J. Washio M. Yuhara S. Sasamoto C. Takeda K. Yakame S.

[*A Comparison of Recrystallization in CAIs from the CV3 Allende with Igneous Phenocrysts from Terrestrial Metavolcanic Rocks*](#) [#9068]

Marin-Carbonne J. McKeegan K. D. Davis A. M. MacPherson G. J. Mendybaev R. A. Richter F. M.

[*O, Si, and Mg Isotopic Compositions of FUN Inclusion Vigarano 1623-5*](#) [#9083]

Paque J. M. Burnett D. S. Beckett J. R. Guan Y.

[*The Role of Inclusions in Mantle Melilite: Refractory Lithophile Trace Element Compositions in a Type B1 CAI*](#) [#9087]

Russell S. S. Kearsley A. T.

[*A Corundum-Rich CAI from the Murchison \(CM2\) Meteorite*](#) [#9098]

Lehner S. W. Petaev M. I. Buseck P. R.

[*Evidence for Silicate Sulfidation in EH3 Metal-Sulfide Nodules*](#) [#9079]

Doyle P. M. Berry A. J. Schofield P. F. Mosselmans J. F. W. Smith A. D. Scholl A. Young A. T.

[*The Oxidation State of Ti in Synthetic and Meteoritic Hibonite, with Application to Early Solar Nebula Processes*](#) [#9034]

Giannini M. Boffa Ballaran T. Langenhorst F. Bischoff A.

[*TEM-EELS Measurements of Titanium Oxidation State in Hibonites*](#) [#9067]

Simon S. B. Sutton S. R. Grossman L.

[*The Growing Inventory of Ti³⁺-Bearing Objects from the Solar Nebula*](#) [#9074]

Zhang J. Davis A. M. Dauphas N. Hashimoto A.

[*Titanium Isotope Mass-Dependent Fractionation During Evaporation of CaTiO₃*](#) [#9094]

Ruzicka A. M. Hutson M. L.

[Agglomeratic Olivine \(AO\) Objects: Melting of Dust to Create Type II Chondrules](#) [#9020]

Palme H. Hezel D. C.

[Matrix-Chondrule Relationship and the Origin of Chondrules](#) [#9088]

Hood L. L. Weidenschilling S. J.

[Chondrule and CAI Formation in the Context of the Planetesimal Nebular Shock Model](#) [#9105]

Sanders I. S. Scott E. R. D.

[Chondrules, Chondrites, and Chondritic Asteroids: Planetary Building Blocks or Debris from Planetary Accretion?](#) [#9126]

Metzler K.

[Chondrite Accretion Within Hours to a Few Days After Chondrule Formation? Textural Evidence from UOC's](#) [#9111]

Nakamura-Messenger K. Keller L. P. Messenger S. Rubin A. E. Choi B. -G. Petaev M. I. Clemett S. J. Zhang S. Rahman Z. Oikawa K.

[The Formation of Wassonite: A New Titanium Monosulfide Mineral in the Yamato 691 Enstatite Chondrite](#) [#9091]

Miura Yas.

[Osumilite-Like Phases in Chondrules of the Nio Chondrite, Yamaguchi, Japan](#) [#9013]

Jogo K. Krot A. N. Nagashima K.

[Metamorphosed Clasts in the CV Carbonaceous Chondrite Breccias Mokoia and Yamato- 86009: Evidence for Strong Thermal Metamorphism on the CV Parent Asteroid](#) [#9113]

Heck P. R. Pellin M. J. Davis A. M. Isheim D. Seidman D. N. Hiller J. Mane A. Elam J. Savina M. R. Auciello O. Stephan T. Stadermann F. J. Lewis J. Zhao X. Daulton T. L. Floss C.

[Atom-Probe Tomographic Analyses of Allende and Synthetic Nanodiamonds](#) [#9096]

Brenker F. E. Schmitz S. Vekemans B. de Samber B. Schoonjans T. Vincze L.

[Quantitative Sub Micron Synchrotron XRF Analyses of REE Pattern. A Future Perspective](#) [#9140]

Mikouchi T. McKay G. A. Miyamoto M. Sugiyama K.

[Olivine Xenocrysts in Quenched Angrites: The First "Differentiated" Materials in the Solar System?](#) [#9142]

Patzer A. McSween H. Y.

[Symplectic Assemblages in Howardites: First Results](#) [#9002]