

Monday, November 7, 2011
FORMATION OF SOLAR MASS STARS AND
FORMATION OF CHONDRITIC COMPONENTS
8:30 a.m. Poipu Ballroom

Chair and Discussion Leader: Jonathan Williams

- 8:30 a.m. Scott E. R. D. *
Welcome
- 8:35 a.m. Williams J. P. *
Introduction to Session
- 8:40 a.m. Schönke J. * Trieloff M. [INVITED] (15 Minutes)
[*Collapse of the Protosolar Molecular Cloud Core: The First Accretion Period and Constraints on CAI Formation*](#) [#9059]
- 9:00 a.m. Basu S. * Vorobyov E. I. [INVITED] (15 Minutes)
[*Circumstellar Disk Evolution, Chump Formation, and its Effects on Planet Formation*](#) [#9097]
- 9:20 a.m. Keller L. P. * Messenger S. Nittler L. R. [INVITED] (15 Minutes)
[*Starting Composition of the Solar System Solids and Processing of Dust in the Interstellar Medium*](#) [#9110]
- 9:40 a.m. Bradley J. P. * (10 minutes)
[*Investigation of Atomic and Electronic Structure of Primitive and Synthesized Amorphous Silicates Using High-Resolution Electron Energy-Loss Spectroscopy \(HREELS\)*](#) [#9147]
- 9:55 a.m. Stroud R. M. * Chisholm M. F. Heck P. R. Alexander C. M. O'D. Nittler L. R. (10 minutes)
[*Constraining the Origin of Meteoritic Nanodiamond Residues with Single-Atom Sensitivity Electron Microscopy*](#) [#9033]
- 10:10 a.m. Richter F. M. * Davis A. M. Mendybaev R. A. [INVITED] (20 Minutes)
[*Chemical and Isotopic Fractionation During Formation of Refractory Inclusions: Observations, Experiments, and Theoretical Considerations*](#) [#9099]
- 10:40 a.m. COFFEE BREAK
- 11:00 a.m. Schwander D. * Berg T. Schönhense G. Ott U. Palme H. (10 minutes)
[*Refractory Metal Nuggets in Carbonaceous Chondrites are Early Solar Nebula Condensates*](#) [#9070]
- 11:15 a.m. Alexander C. M. O'D. * Cuzzi J. [INVITED] (15 Minutes)
[*Solving the Chondrule Mystery: Not There Yet*](#) [#9152]
- 11:35 a.m. Tachibana S. * Takigawa A. Nagahara H. Ozawa K. [INVITED] (15 Minutes)
[*Condensation and Gas-Solid Experiments of Minerals in Protoplanetary Disk Conditions: Implications for Formation of Chondritic Components*](#) [#9135]
- 11:55 a.m. Grossman L. * Fedkin A. V. Simon S. B. [INVITED] (15 Minutes)
[*FeO in Chondritic Olivine: Implications for \$fO_2\$*](#) [#9035]
- 12:15 p.m. GENERAL DISCUSSION
- 12:30 p.m. LUNCH in the Garden Pavilion