

Tuesday, May 9, 2017
SESSION II
10:45 a.m. Sage East

Chairs: **Melissa Morris**
 Mordecai-Mark Mac Low

- 10:45 a.m. Xiang C. Matthews L. S. Carballido A. Morris M. A. * Hyde T. W.
 [*Modeling the Growth of Chondrule Dust Rims with Molecular Dynamics*](#) [#2021]
 We present a numerical method to study the structure of dust rims formed around chondrules as the latter sweep up dust in the solar nebula gas. An N-body code is used to model detailed collision processes between aggregates and a mm-sized sphere.
- 10:50 a.m. Ali A. * Nasir S. J. Jabeen I.
 [*An Oxygen Isotopic Link Between Rumuruti and Ordinary Chondrites from Oman: Evidence from the Chondrules in Dhofar 1671 \(R3.6\)*](#) [#2002]
 A genetic link between Rumuruti and ordinary chondrites is revealed by the O-isotope compositions of the bulk chondrules in the Dhofar 1671, an R type find from Oman. The data from these chondrules connect the L6 type OCs recently found in Oman.
- 10:55 a.m. Morris M. A. *
 [*An Assessment of Current Models of Chondrule Formation*](#) [#2030]
 In this talk, a brief overview of several of the proposed chondrule formation models will be presented.
- 11:35 a.m. Dwarkadas V. V. * Boyajian P. H. Bojazi M. Meyer B. S. Dauphas N.
 [*Meteoritic Constraints on the Origins of Our Solar System*](#) [#2007]
 Analysis of primordial meteorites shows a high abundance of ^{26}Al , accompanied by low ^{60}Fe . We suggest that our solar system originated within a Wolf-Rayet bubble formed by stellar mass-loss from a massive star that was the main source of ^{26}Al .
- 11:55 a.m. Haugboelle T. * Grassi T. Frostholm Mogensen T. Wielandt D. Larsen K. K. Vaytet N. M.
 Connelly J. Bizzarro M.
 [*Formation of the First Solids at the Birth of Our Solar System*](#) [#2025]
 We present a new model of CAI formation under special conditions in the first thousands of years of the protosun. It is a strong constraint for models of the formation of our and other Solar Systems, and can be used to make meteoritic predictions.
- 12:15 p.m. DISCUSSION
- 12:30 p.m. Lunch