

Tuesday, July 25, 2017

POSTER SESSION I: INTERPLANETARY DUST PARTICLES AND MICROMETEORITES

5:30 p.m. Poster Area

Suttle M. D. Genge M. J. Russell S. S.

[*A MicroChondrule-Bearing MicroMeteorite*](#) [#6107]

We investigate an unusual hydrated CM/CI-like fine-grained micrometeorite containing an exceptionally small, glassy and volatile-rich microchondrule droplet.

Kuzina D. M. Kosareva L. R. Antonenko V. V. Knies J. Fabian K. Nurgaliev D. K.

[*Magnetic Investigations of Ocean Sediments from Hole 910C for Extraterrestrial Matter Detection*](#) [#6285]

Presented magnetic investigations of ocean sediments with the aim of showing presence of extraterrestrial matter.

Sungatullin R. Kh. Sungatullina G. M. Glukhov M. S. Tselmovich V. A. Bakhtin A. I.

Kuzina D. M. Gusev A. V.

[*Cosmic Dust in the Deposits of the Moscovian and Kasimovian Stages, Usolka Section, Cisuralian Foredeep, Russia*](#) [#6121]

This report describes the morphology and analyzed the chemical composition of microspheres from the marine Carboniferous deposits of the Usolka section, Russia.

Wilson A. P. Genge M.

[*Simulation of the Atmospheric Entry of MicroMeteorites Through the Martian Atmosphere*](#) [#6098]

This work compares the survival rate of micrometeorites falling on the Earth and Mars by simulating the effects of atmospheric entry heating particles undergo on each planet.

Haas B. A. Stroud R. M. Floss C.

[*FIB/STEM Study of 2 Stardust ISPE Craters from Foil 1031N,1*](#) [#6316]

NASA's Stardust mission collected material from the interstellar dust stream en route to comet 81P/Wild 2. We investigate two craters identified during the ISPE in the foil collector, using FIB/STEM analysis to determine the impactor origins.