

Tuesday, July 28, 2015

**POSTER SESSION: IRON AND STONY-IRON METEORITES:  
NEW METEORITES AND DISCOVERIES**

**5:30 p.m. Hearst Memorial Mining Building (HMMB) Floor One**

Zucolotto M. E. Carvalho W. P. Tosi A. Mendes J. C.

[Faina, a New Brazilian Plessitic Octahedrite from Group IAB](#) [#5382]

A single mass with a total weight of 440 grams was found by Mr. G. Rodrigues in 2011 when digging a hole for the septic tank of his house, suspecting to be a meteorite by having seen our divulgation program at a TV show.

Hamann C. Van Roosbroek N. Greshake A. Pittarello L. Hecht L. Debaille V. Wirth R. Claeys Ph.

[Occurrence of Siliceous Impact Melt in Netschaëvo IIE? A FIB-TEM Study](#) [#5117]

A silicate inclusion in a sample of the Netschaëvo IIE iron meteorite was studied with FIB-TEM. We present petrographic features indicating that this inclusion is quenched impact melt and suggest that Netschaëvo is an impact melt breccia.

Vantin E. Cuadros F. A. Buhn B. Matteini M. Hauser N.

[Mineral Chemistry of the Sanclerlândia Iron Meteorite-Brazil](#) [#5099]

The Sanclerlândia iron meteorite from Goiás, Brazil is classified as a medium octahedrite. The chemical characterization of kamacite and taenite with different textural relationships as well as other minerals by EPMA was performed.

Wang L. Y. Hsu W. B.

[A Preliminary Study on the Gabbroic Clast of Youxi Mesosiderite](#) [#5228]

Gabbroic clast of Youxi is composed of pyroxene and plagioclase. It is similar but not identical to Moama cumulate eucrites. The original magma compositions of gabbroic clast may be similar to the parent magmas of the cumulate eucrites.

Nunes G. A. da Costa A. R.

[Comparison Between Thermal Treatments of Itutinga Meteorite Fragments](#) [#5330]

The iron meteorite Itutinga (IIIAB, Om) were subjected to thermals treatments in different temperatures (900°C and 1350°C), the usual technique in the field of metallurgical and materials engineering.