

**PRINT ONLY: LUNAR SAMPLES AND MODELING**

Hsu W. Zhang A. Guan Y. Ushikubo T. Bartoschewitz R.

*Sayh Al Uhaymir 300: Petrology, Mineralogy, and Trace Element Geochemistry* [#1149]

We report the petrology, mineralogy, and trace element geochemistry of the lunar meteorite SaU 300.

Opanasenko A. N. Shkuratov Yu. G. Opanasenko N. V.

*Topography of Three Localities on the Moon from Combined Clementine and Hubble Space Telescope Images* [#1564]

We present topographic maps of the Moon for localities imaged by the Hubble Space Telescope in 2005. Topography was derived by the photogrammetric method from HST and Clementine image pairs.

Petrova N. Gusev A.

*Core-Mantle Dissipation and Free Libration in the Two-Layer Moon* [#2199]

In this report we present the results of calculation of the free libration periods for different values of the dissipation coefficient  $R$ , which is connected to the qualitative parameter  $Q$ .

Slyuta E. N. Abdrakhimov A. M. Galimov E. M.

*The Estimation of Helium-3 Probable Reserves in Lunar Regolith* [#2175]

This abstract presented our estimation of total  $^3\text{He}$  probable reserves in lunar regolith.

Wöhler C. Lena R. Pau K. C.

*The Lunar Dome Complex Mons Rümker: Morphometry, Rheology, and Mode of Emplacement* [#1091]

This contribution discusses spectral and new morphometric data about the lunar volcanic complex Mons Rümker. Based on a digital elevation map of Rümker, rheologic properties and feeder dike geometries of individual domes on the plateau are inferred.

Zhang A. Hsu W.

*A KREEP Clast in the Lunar Meteorite Dhofar 1180* [#1108]

KREEP rocks are important to understand the composition of the Moon's surface. In this study, we report a KREEP clast observed in the lunar meteorite Dhofar 1180 and describe its character and discuss its significance.