Friday, November 10, 2017
POSTER SESSION
4:00 p.m.

Szurgot M.
Uncompressed Density of the Moon, Lunar Mantle and Core **[#6007]**
Relationship between density and Fe/Si ratio was applied to verify Fe/Si atomic ratios, and uncompressed density of the Moon, lunar mantle and core.

Bérczi Sz. Vizi P. G. Hudoba Gy. Schiller I. Róka A. Gyollai I.
Planetary Surface Measuring Arrangement According to the Principles of the Onsager Matrix Transports: Complexity and Integrated Simultaneous Sensor Cell-System **[#6008]**
A cell mosaic arrangement (an array) is constructed according to Onsager matrix type sensor units (for 3 of μ_1-μ_2, T_1-T_2, P_1-P_2, U_1-U_2) for a complex simultaneous measuring of local field parameters at the locality of space probe model Hunveyor.

Futó P.
On the Mg/Fe Ratio in Silicate Minerals in the Circumstellar Environments I. The Mg/Fe Ratio in Silicate Mineral Constituents of the Kaba Meteorite **[#6003]**
The moderately high ratio of Mg in the silicates of the solar environment indicates that Mg-rich silicates are likely to be frequent in the interstellar medium and the circumstellar environments in case of chondritic-like composition.

Szurgot M.
Mean Atomic Weight of Stubenberg Meteorite **[#6005]**
Mean atomic weight (Amean=23.65), mean atomic number (Zmean=11.70), Amean/Zmean=2.021), and Fe/Si atomic ratio (0.551) of Stubenberg (LL6) meteorite were determined and analysed, and grain density (3.51 ± 0.02 g/cm^3) of Stubenberg predicted.

Grokhovsky V. I. Badekha K. A. Brusnitsyna E. V. Muftakhetdinova R. F. Yakovlev G. A.
A Metallographic Study of the Meteorites: Capabilities of EBSD Method **[#6011]**
We present the history and results of a metallographic study of meteoritic metal by EBSD method.

Petrova E. V. Petrov M. S. Grokhovsky V. I.
Application of Image Analysis in Optical Microscopy of Ordinary Chondrites **[#6014]**
Application of image analysis systems give additional possibilities for estimation, calculation and comparison of optical microscopic images. Different parameters of the texture (phase distribution, porosity, grains shape parameters) can be obtained.