

**PRINT ONLY: EDUCATION AND PUBLIC OUTREACH AND DATA VISUALIZATION**

Bérczi Sz. Boldoghy B. Cech V. Fabriczy A. Hargitai H. Hegyi S. Horváth A. Hudoba Gy. Kummert J. Nehéz I. Schiller I. Takács B. Varga T. Weidinger T.  
[\*Systems Woven by Two Flux-Subsystems: One of Them is Planetary. Concise Atlas of the Solar System \(12\): Space Science and Technology\*](#) [#1256]

Overview from terrestrial environmental fluxes to confined fluxes in technologies at the space station help studying interrelations of various complex systems by a matrix: woven from environmental fluxes and production technologies.

Horvai F. Kereszturi A.  
[\*Geology of Mars: New University Course in Hungary\*](#) [#1673]

The structure and characteristics of a new university course in Hungary on the geology of Mars is summarized.

Huffman J. N. Forsberg A. S. Head J. W. Dickson J. L. Fassett C. I.  
[\*Testing Geoscience Data Visualization Systems for Geological Mapping and Training\*](#) [#2086]

We compare and describe our use of display technologies for use with planetary datasets, including a fully immersive virtual reality system, a large tiled-wall display, a stereo-capable “Practical Powerwall”, and the standard computer desktop.

Lang A. Szalay K. Erdélyi S. Nickl I. Panyi T. Kiss D. Bérczi Sz.  
[\*Chemistry Experiment Measuring \(pH\) of the “Planetary” Soil by the Husar-5 NTX-based Rover Model of the Széchenyi István High School, Sopron, Hungary\*](#) [#1325]

We report by a detailed description of the experiment built by students on Husar-5 rover model: how the chemical characteristics of the “planetary” soil can be measured by the indicator ribbon method, if we artificially made wet the soil.

Magyar I. Badics A. Bakonyi I. Csiszár Á. Franko M. Gyürki Á. Héricsz M. Marschall B. Nagyházi Á. Varga T. N. Végh Gy. Varga T. P. Bérczi Sz.  
[\*Identification of Rocks on Planetary Surface Using Husar-9 Rover Camera: Field Work Simulations with Hunveyor-9 Space Probe Model System at Eötvös High School, Tata, Hungary\*](#) [#1120]

We studied the rock types along the Husar-9 rover’s path and identified them on the basis of their shape, color and surface textures: komatiite, basalt, granite, conglomerate, schist rock, porphyritic granite, suevite breccia, and vesicular basalt.

Simon T. Kereszturi A.  
[\*Online Astrobiology Course in Hungary\*](#) [#1048]

We present the basic characteristics of the first online astrobiology course, specialized in planetary science in Hungary.

Sipos A. Vizi P. G.  
[\*Simulated Mars Rover Model Competition\*](#) [#2519]

This is a competition of applied engineering sciences. The actual goal of the competition can be achieved by building a device, a rover. The track is an 8 × 8 square meter sized field of sand or special material. Competitors have to build a rover model.