ARS ELECTRONICA

Ars Electronica Center

Deep Space Weekend: Astronomy

(Linz, October 18, 2016) The Ars Electronica Center is hosting an entire weekend dedicated to astronomy October 22-23, 2016. Program highlights include detailed panorama images of the entire Milky Way and the Moon, as well as breathtaking shots from the Juno, Rosetta, New Horizons and Dawn space probes. A lead-in will be provided by the next Deep Space LIVE on October 20th—a 3-D journey into outer space by means of Uniview visualization software.

Here's an overview of the entire lineup:

Deep Space LIVE: Uniview – Journey through Outer Space / Thursday, October 20 / 7-8 PM

The space trip gets launched at the next Deep Space LIVE on Thursday, October 20th, when astrophotographer Dietmar Hager takes visitors on a fascinating journey through outer space courtesy of Uniview, state-of-the-art 3-D simulation software created by the Swedish firm SCISS that makes it possible to model depictions of the universe and integrate the latest scientific data.

The Sun… and Humankind / Saturday, October 22 / 11:30 AM-12 Noon

The Northern Lights have fascinated humankind since time immemorial and been immortalized in the myths and legends of numerous cultures. Michaela Obermayer of the Ars Electronica Center will discuss what produces auroras and the best spots to observe them. Audience members will also learn interesting facts about how the Sun played a major role in the architects' designs of ancient buildings like the Roman Pantheon.

The Moon, Our Neighbor in Space / Saturday, October 22 / 2-2:30 PM

Rolf Hempel of the DLR–German Aerospace Center presents detailed panorama images of the Moon. The topography of Earth's satellite ranges from huge mountain ranges and crater-pocked highlands to broad plains.

High-definition Moon Panoramas as Amateur Project / Saturday, October 22 / 3-4 PM

Rolf Hempel shows that digital photography now enables amateurs to take breathtaking shots of the Moon. In his remarks, Hempel will elaborate on the techniques most appropriate for the post-processing and offer suggestions designed to make life easier for beginners.

Space Breaking News / Saturday, October 22 / 5-6 PM

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Spectacular shots taken by ESA and NASA space probes will be screened by Herbert Raab of the Astronomical Society of Linz. The subjects include Jupiter, the dwarf planets Ceres and Vesta, and the Churyumov-Gerasimenko comet.

A Photo Portrait of the Whole Milky Way / Sunday, October 23 / 2-2:30 PM

A fantastic gigapixel image of the Milky Way will be presented by astrophotographer Erich Meyer of the Astronomical Society of Linz. Visitors will find out about familiar and lesser-known areas of our galaxy as well as extraordinary phenomena such as dust clouds, gas clouds, dark clouds and star clusters.

Gigapixel Milky Way Panorama as Photographic Challenge / Sunday, October 23 / 3-4 PM

Erich Meyer explains how a gigapixel panorama is composed out of thousands of individual images, and which challenges a photographer must master to produce such a picture. Since light pollution constitutes a major impediment in astrophotography, Meyer will also show what the night sky looks like in Namibia, one of the darkest spots on Earth.

The Sun… and Humankind / Sunday, October 23 / 4:30-5 PM

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The Milky Way in 3-D / Sunday, October 23 / 5:30-6 PM

Birgit Hartinger of the Ars Electronica Center will screen various 3-D real-time visualizations of the cosmos demonstrating the wide-ranging capabilities of the Uniview software that has made Deep Space an audience favorite.

Ars Electronica Center: http://www.aec.at/news/en/

DLR–German Aerospace Center: http://www.dlr.de/dlr/en/desktopdefault.aspx/tabid-10002/

ESA: http://www.esa.int/ESA

NASA: https://www.nasa.gov/

The Astronomical Society of Linz: http://www.sternwarte.at/Default_e.html

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