

## STARDUST

July 8 to August 23, 2009

Millions of TV viewers were glued to their sets on July 20, 1969 to witness a historic event: Neil Armstrong becoming the first human being to set foot on the Moon. "One small step for a man, one giant leap for mankind ..." The Ars Electronica Center marks the 40th anniversary of the Moon landing with an exhibition entitled "Stardust." The lineup includes Mars expeditions in the Lobby and virtual flights through the universe in Deep Space. You can get close-up looks at Moon rocks and meteorite fragments in SpaceLab and enjoy movies about outer space in the Apollo Lounge. Adorning the exhibition area are "The rolling stars and planets," space-themed works of art by University of Vienna artists. The "Stardust" exhibition runs from July 8 to August 23, 2009.

### Mars Expeditions in the Ars Electronica Center Lobby

Dignity is the name of a remote-controlled Mars rover made in Austria. It was developed in 2006 by the Austrian Space Forum. Dignity's successor Sisi was deployed during the AustroMars Expedition in the American desert near Moab, Utah. The next model—to be dubbed Phileas—will face the challenges of the Arctic during a simulated Mars expedition set for 2011. You can take Dignity for a spin in the Ars Electronica Center's Lobby, where a 20-m<sup>2</sup> mockup of the Red Planet's surface provides just the right terrain.

### "Uniview" – Flights across the Universe in Deep Space

"Uniview" is an impressive work of 3D animation that shows the entire known universe. Data gathered by renowned space research institutions provide the informational foundation for virtual space travel in the Ars Electronica Center's Deep Space. Here, you can zoom from Earth to the heavens' remotest realms.

### SpaceLab

#### Billion-year-old Rock Samples from Space

SpaceLab visitors can use a metallurgy microscope and a stereo OP microscope on loan from Linz General Hospital's Trauma Surgery Department to examine billion-year-old rocks from outer space. Among the 17 specimens are rocks from the Moon and Mars as well as various stone and iron meteorites.

#### "in this time ..."

In what timeframe do 100 stars die? How long does it take for 100 kg of cosmic dust to fall to Earth? How much time does light need to get here from the Sun? It's not only the universe's incomprehensible size that astounds us; the eternities of time over which cosmic events transpire have a fascination all their own. "In this time ..." is an artistic work designed to make the universe's inconceivably long time spans a little easier to grasp.

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### Planetary Scale

Our Earth weighs  $5.972 \times 10^{24}$  kilograms—and every passing day, cosmic dust and meteorites add a few tons to the total. The implications of this aren't what you would call earthshaking—to put it in perspective, it means that a person's body weight increases by the amount of one dust mote per century. You can experience a much more radical shift in weight by stepping onto one of the SpaceLab's planetary scales—they'll show you how heavy you would be on some of our neighbors in the Solar System.

### Space Cinema in the Apollo Lounge

The Apollo Lounge on Level -1 of the Ars Electronica Center showcases historic moments of space travel, sensational missions in space, orbiting space junk, and lots more. The exhibit includes videos and animated films, theme-related online forums and websites. Plus, the Ars Electronica Center's Seminar Room is morphing into a Space Cinema.

### An Erich Pröll Film on the Subject of Space Photography

Erich Pröll (AT), famed director of nature films for the "Universum" TV series, shows what goes into the making of these breathtaking images of outer space. Pröll accompanies Dietmar Hager, micro-surgeon at Linz General Hospital and astronomical photographer in Upper Austria's Mühlviertel region, on a journey of discovery through the macrocosm.

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