Ars Electronica Center Linz

The World's Biggest Experiment

Thursday, August 18, 2011 / 8-9 PM / Deep Space

(Linz, August 17, 2011) What's 16 meters in diameter, 21 meters long and weighs as much as 30 jumbo jets? It's CERN's second largest particle detector, which more than 4,200 scientists and engineers are utilizing to discover traces of the notorious Higgs boson and supersymmetry. The tricks and strategies these researchers are employing will be the subject of a presentation by Dietrich Liko of the Austrian Academy of Sciences' Institute of High Energy Physics this coming Thursday in Deep Space at the Ars Electronica Center. He'll shed light on the workaday world of researchers conducting the Compact Muon Solenoid experiment and explain what it means to be confronted by such enormous quantities of data that it takes a worldwide computational grid to even be able to save it to memory.

Deep Space

Deep Space in the Ars Electronica Center features projection infrastructure that is absolutely unique worldwide. Equipped with eight 1080p HD- and Active Stereo-capable Barco Galaxy NH12 projectors, Deep Space awes visitors with crystal-clear, 16x9-meter visuals projected onto the wall and floor. During the festival, the accent will be on science in Deep Space. Top scientists will be able to present such complex topics as quantum physics and astronomy in vivid, fascinating ways.

ORIGIN – how it all begins

Ars Electronica 2011 will be dedicated to the fascinating world of leading-edge research on the basic principles of the cosmos. This year's festival is being produced in collaboration with CERN, the European Organization for Nuclear Research. With the search for the origin of all matter as its point of departure, Ars Electronica will be scrutinizing the CERN Model and the framework conditions necessary for new things to take shape. Art and science have a great deal in common here—no longer only variant manifestations of the human longing for insight, they are guarantors and indicators of a society's openness and its capacity to innovate and develop.

Ars Electronica Festival 2011: http://new.aec.at/origin/en/category/blog/
Ars Electronica Linz: http://new.aec.at/news/en
CERN: http://public.web.cern.ch/public/
Austrian Academy of Sciences: http://www.oeaw.ac.at/english/
Institute of High Energy Physics: http://www.hephy.at/en/institute/

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