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DEAN'S LECTURE SERIES

ROGERS COMMUNICATIONS CENTRE

FASHION / GRAPHIC COMMUNICATIONS MANAGEMENT / IMAGE ARTS / INTERIOR DESIGN / JOURNALISM/ PROFESSIONAL COMMUNICATION / RADIO AND TELEVISION / ROGERS COMMUNICATIONS CENTRE/ THEATRE

Photo by Jurgen Schulze, UCSD/Calit2

Tom DeFanti is an internationally recognized expert in computer graphics. He has collaborated with leading experts to create the most advanced production-quality networks available to scientists and to connect high-resolution visualization and virtual reality devices over long distances. Dr. DeFanti is a founding member of GLIF, the Global Lambda Integrated Facility, a global group that manages international switched wavelength networks for research and education. He is a recipient of the 1988 Association for Computing Machinery (ACM) Outstanding Contribution Award.

MONDAY OCTOBER 20, 2008
6 PM / ENG103, 245 CHURCH ST.

TOM DeFANTI, PhD
Research Scientist, California Institute for Telecommunications and Information Technology (Calit2), University of California, San Diego

Digital Cinema without Borders: Persistent Experiments on CineGrid's International Networks

In this presentation, Tom DeFanti will talk about CineGrid, a project developed to organize international high-bandwidth networking sufficient for production and post-production of digital cinema at 8 megapixels per frame (4 times HDTV quality). Dr. DeFanti will highlight a number of his group's successful international demonstrations and will also present some examples of even higher resolution displays (30-300 megapixels) they are currently building - some of which have virtual reality surround screens and multi-channel audio. Lastly, he will briefly describe efforts at UCSD to reduce the carbon footprint of these displays, and the computing and networking needed to support them.

Tom DeFanti is well known for his collaboration with Electronic Visualization Labratory (EVL) director-emeritus Daniel J. Sandin to conceive the CAVE virtual reality theatre (1991). Hardware and software from Dr. DeFanti's EVL lab was also used for the computer animation produced for the 1977 Star Wars movie.

ADMISSION TO THIS EVENT IS FREE

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