Cinematic Visualizations for Discovery, Outreach, and Digital Literacies

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Tuesday, February 11, 2014
Hendrix Student Center, McKissick Theater
1:30 PM – 2:30 PM

Abstract
Donna Cox will provide a visual feast of unique scientific visualizations, arts-technology projects, IMAX movies, and museum shows from her collaborative work with interdisciplinary “Renaissance Teams” at the Advanced Visualization Laboratory (AVL) and Illinois eDream Institute (Emerging Digital Research and Education in Arts Media) at the National Center for Supercomputing Applications, University of Illinois at Urbana-Champaign. Cox’s presentation will include excerpts from the ‘making of’ the Hubble3D IMAX movie narrated by Leonardo DiCaprio. She and her collaborators used Hubble observational and cosmological data to create nearly one-fourth of the IMAX film that won the Giant Screen Awards for Best Film, Best Cinematography, and Best Life-long Learning. The AVL also works in a variety of scientific research projects, including interactive software for the U.S. Department of Transportation and Digital Cultural Heritage with the Cyprus Institute. Among the software and digital technologies, AVL’s Virtual Director™ holds a patent for virtual camera choreography and gestural interface design. AVL and eDream provide visualization software products for a variety of disciplines including the interactive performing arts.