



Welcome

ASTC Fulldome Showcase 2009, sponsored by Spitz, Inc. and Evans & Sutherland, features a sampling of the work of the world's most interesting digital dome artists. The Showcase highlights the variety and diversity of content being created for this exciting new medium – from data-driven visualizations to character-animated productions for kids; from cutting-edge space science shows to experimental art projects, music entertainment and more.

The Showcase is being screened using an E&S Digistar 3 and a multichannel DLP projection system. All productions were created using the industry-standard "dome master" format and are projected on the 18-meter dome screen at 4k x 4k resolution. Our presentation also takes advantage of the theater's surround-format audio system.

Since last year's ASTC presentation, many new theaters have joined the fulldome ranks, bringing the user base to nearly 600 venues worldwide. Supported by lots of young talent, a growing content library of more than 100 digital films, professional development workshops and other community-building efforts, fulldome video's future has never been brighter!

We invite you to sit back, relax and enjoy the show.



This event was made possible by the generous support of the following companies and organizations:

Adler Planetarium

American Museum of Natural History

AudioVisual Imagineering

Carl Zeiss AG

Chabot Space & Science Center

Clark Planetarium Productions

Evans & Sutherland Digital Theater

Mirage 3-D

National Space Centre

Sky-Skan, Inc.

Spitz, Inc.

Sudekum Planetarium at Adventure Science Center

University of Texas - Arlington Planetarium Staff



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FULLDOME VIDEO SHOWCASE VI



The University of Texas at Arlington Planetarium
Monday, November 2, 2009

ASTC 2009

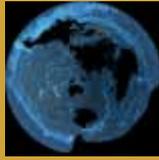
DATA VISUALIZATION



Galaxy Evolution and Merger
Advanced Visualization Lab @ National Center for Supercomputing Applications, University of Illinois, Urbana-Champaign



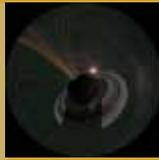
Volume Visualization Under the Dome
Ajay Limaye, Tim Senden (Australian National University); Alexander Mitchell (CompanyOf), Fisheye rendering and post production: Paul Bourke (WASP, University of Western Australia)



Visualizing the Global Ocean
Visualization and audio by Peter Morse. Data wrangling by: Paul Bourke (WASP), and Ben Raymond (AAD). Supported by: Western Australian Supercomputing Program, UWA, Research Computing Services, U of Melbourne; Australian Antarctic Division and Australian Network for Art and technology



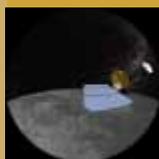
The Visual Metaphor -
*Excerpt from Black Holes, The Other Side of Infinity
 Thomas Lucas Productions, Denver Museum of Nature & Science, Advanced Visualization Lab @ NCSA, UIU-C. Kayak shot and show distribution: Spitz Inc*



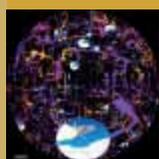
Journey to the Stars
American Museum of Natural History in collaboration with the California Academy of the Sciences, GOTO, Inc., Papalote Museo del Niño, and Smithsonian Air & Space Museum. With support by: NASA



The Violent Universe
Evans & Sutherland Digital Theater



Flight to the Moon News Brief
Clark Planetarium Productions



IBEX: Search for the Edge of the Solar System
Adler Planetarium Productions



Touching the Edge of the Universe
ESA/ESOC 2009, University of Applied Sciences, Kiel, Germany



Tales of the Maya Skies
Chabot Space & Science Center, distributed by Sky-Skan, Inc.



STARS Trailer
Sudekum Planetarium at Adventure Science Center

SHOW TRAILERS & EXCERPTS

SHOW TRAILERS & EXCERPTS



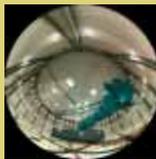
Voyage of the Beagle
Excerpt from Natural Selection, Mirage3D



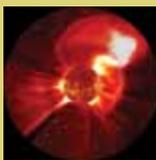
Awesome Light
Sky-Skan, Inc. for `Imiloa Astronomy Center of Hawai`i



Astronomer 2.0
Adapted from We are Astronomers, NSC Creative



Centrifuge
Excerpt from Astronaut, NSC Creative



Cosmic Collisions
American Museum of Natural History in collaboration with Denver Museum of Nature & Science, GOTO, Inc., and Shanghai Science Center. With support and partnership of NASA



Sea Monsters
National Geographic Giant Screen Films



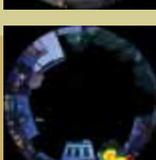
Egypt: Secrets of the Mummies
Giant Screen Films



Wild Ocean
Giant Screen Films



Fly Me to the Moon
nWave Pictures



One World, One Sky: Big Bird's Adventure
Sesame Street Workshop, Adler Planetarium and Beijing Planetarium



The Little Star That Could
based on the original production by the St. Louis Science Center, Produced by: AudioVisual Imagineering and Brevard Community College

LARGE FORMAT TRANSFERS

KIDS' CORNER

EXPERIMENTAL MUSIC & ART



The Zula Patrol: Under the Weather
Zula International LLC, Spitz Creative Media



Excerpts from Fulldome Primer
Theo A. Artz, amalgamation house, Inc. & Drexel University, JAV Productions



Paperworld - from "Our Living Climate"
Produced by: Melbourne Planetarium, Scienceworks. Animation by: Warik Lawrance, Music and Sound Design: Byron Scullin & Nat Bates



Julia Morph
The Fractal Foundation, Dr. Jonathan Wolfe, Daniel Wolfe



Frozen In Time: Mawson's Huts, Antarctica
Viz and audio by: Peter Morse. Special thanks to Paul Bourke (WASP, UWA), Peter Wheeler, and Carley Tillet (Horizon Planetarium at SciTech) and to The Mawson's Huts Foundation, Australian Antarctic Division



Los Hijos del Agua
Directed by: Manuel Heurga, Frank Aleu - Owner SEEI (Sociedad Estatal para Exposiciones Internacionales). Executive Producer: David Xirau, Mediapro / Eduard Vinals, EGM

Special thanks to Wes Thompson and the E&S Digital Theater team for pixel wrangling, and to the staff at the University of Texas, Arlington Planetarium for making this event possible.