

# IMAGE 2006 TECHNICAL PAPERS INDEX

**LOCATING A PAPER:** For your convenience, within this Index papers are gathered into the Special Interest Groups (SIGs) for which they were accepted for presentation. To maintain consistency and avoid confusion only the Primary Author is listed for each paper. Please be aware that the person who presented the paper at the conference may not be the paper's Primary Author. To locate a paper: 1) search for it in the Special Interest Groups (SIGs) below for which it would be relevant, 2) once the paper is located find the **Primary Author** in the **Bookmarks** side panel and "click" on the Primary Author's name to go directly to the paper.

<b>DATABASE DESIGN &amp; NETWORKED SIMULATION SIG</b> Chair: Ms. Rita Simons—US Army PEOSTRI		
USAF DMO Visualization Standard	Dwyer	USAF
MIP - Mapping the World	Lagace	CAE
Facets@ OpenFlight To CDB- A First Look At CDB	Oliver	Quantum3D
Almost Accidental Database Standards	Sieverding	Dynamic Animation Sys.
<b>DISPLAYS SIG</b> Chair: Mr. Terry Linn—FlightSafety International		
Design of See-Through Head-Mounted Display Based on Reflective Microdisplay	Bablani	NVIS
System Considerations for Large FOV Eye-Limiting Resolution Display System	Kraemer	Rockwell Collins
A User-Focused Evaluation Method for Assessment of Head-Mounted Display Tech.	Lattanzio	Northrop Grumman
Motion Picture Response Time a Metric for Dyn Image Qual in Projected Displays	Streid	Boeing Tng Sys & Services
Visual Display Systems for Advanced Aircraft Training Devices	Wallace	Lockheed Martin Simulation
<b>ENVIRONMENTAL MODELING SIG</b> Chair: Mr. Ronald Magee—SAIC		
Geospatial Perpetual Motion: Finding Hidden Info in Existing Geospatial DBs	Bitters	Univ. of West Florida
Orthorectification: Description, Applications, & Recent Advances	Gordon	CLI
Dynamic Terrain Modification Using a Correction Algorithm	Latham	CGSD Corporation
<b>GROUND VEHICLE SIMULATION SIG</b> Chair: Mr. Larry Cathey—Ford Research & Innovation Center		
Visual DB Development: Methodology & Optimizations for Nat'l Adv. Driving Sim	Allen, S.	Nat'l Adv. Driving Sim.
A PC Platform for Launching Driving Simulations & Multimedia Presentations	Allen, W.	Systems Technology
Sensor Functionality for Ground Vehicle Simulation Authoring	Mollenhauer	Realtime Technologies
Correlation Measurements Comparing Virtual and Real Pedestrians	Steiger	Ford Res & Innovation Cntr.
<b>IMAGE GENERATION TECHNOLOGIES SIG</b> Chair: Mr. Brian Holmes—Alion Science & Technology		
Transport Delay: Its Origins, Effects on Operator Performance & Development of		
Two Novel Computer Algorithms	Cardullo	State Univ of New York
Making the Leap from Calligraphic Displays	Ferranti	Alion Science & Tech
Real-Time Image Generation on Linux	Jackson	Concurrent Computer
Rendering World Wide Data on the Fly	Lewis	Rockwell Collins
<b>MARINE SIMULATION SIG</b> Chair: Mr. Steve Fisch—MarineSafety		
A Look Down Ship Bridge Simulator for Docking Training Exercises	Boyd	Display Solutions
A Practical Merger of the Virtual & Working Environments:		
US Navy's Navigation Seamanship & Shiphandling Simulator Program	Hardy	LANTEC Marine
Simulation of Rescue Boat Operations	Ponomarev	Transas Ltd.
Laser Based Night Vision Training for Maritime Simulators	Randt	Rheinmetall Def Electronics
<b>PC SIMULATION SIG</b> Chair: Mr. Graham Upton—Diamond Visionics		
Asynchronous Continuous LOD & Texture Mapping for Large-Scale Terrain	Kuck	D&S Consultants
Real-Time Terrain Modification Using Cultural & Feature Data	Pendry	Diamond Visionics
GPU-Based Wave Simulation	Woodard	Diamond Visionics
<b>SENSOR SIG</b> Chair: Mr. Tim Palmer—Quantum3D		
Automatic Feature Extraction with LIDAR Sensors	Bernstein	Technology Service Corp.
Advanced Algorithms & GPU Techniques for Improved Radar Simulation	Blasband	JRM Technologies
A Comprehensive Technology for Material Classification of RGB, Multispectral		
& Hyperspectral Imagery	Moulton	JRM Technologies
NPSI - Materials & Metadata for Portable Sensor Simulation Databases	Smith	NAVAIR