7:30 - 9:00	Registration
9:00 - 9:30	Opening Remarks – Congressman John P. Sarbanes, D – 03, Maryland
9:30 - 10:30	Plenary presentation by Michael Jones, Chief Technology Officer, Google Earth
10:30 - 10:45	Coffee Break (Sponsored by *DigitalGlobe*)

10:45 – 12:15   Exhibit Showcase and Special Sessions

Maryland GIO Roundtable

Panel session on improved data sharing and development of a statewide base map for Maryland organized by Ken Miller, Maryland's Acting Geospatial Information Officer.

Mini-Workshop – Autodesk Mapguide

Web Based Mapping with Mapguide Open Source Software and FDO Data Access Technology
Neal Niemiec, Autodesk

Mini-Workshop – ESRI Technical Workshop

Workshop topic TBA. This mini-workshop session is being organized by Alison Rice, ESRI.

Mini-Workshop – Pictometry's Role in the Democratization of GIS

This mini-workshop will focus on the web applications and integrations of Pictometry's new "Image Navigator" backbone with Google Earth, Microsoft Virtual Earth, and others.
Art Kalinski, Pictometry International

Special Session - Geographic Information Systems in Libraries: A Common Concern with Access

Carl P. Olson, Albert S. Cook Library, Towson University, will review the literature of libraries and GIS, GIS implementation at the Albert S. Cook Library, and the ongoing integration of GIS software and data in a "learning commons" setting of an academic library.

Kim Ricker, McKeldin Library, University of Maryland at College Park, will focus her efforts at building data collections, providing reference service, and the teaching, training and mentoring of library staff, users, and researchers in GIS.

James Gillispie, Sheridan Libraries, Johns Hopkins University, will discuss GIS library services to high level researchers, and will describe the digitization of atlases and historic map series as part of the University's digital repository.

12:15 - 1:30   Lunch (Sponsored by *KCI Technologies, Inc.*)

1:30 - 3:00   Concurrent Sessions #1

Cartographic Design

Typesetting Tedium
Malcolm Hermann, Municipal Publications

A Sonfied Topographic Apporach: Designing and Communicating Spatial Information Through Sounds
Paporn Thebpanya, Towson University Geospatial Research and Education Laboratory

Presentation TBA → Walters Art Museum?

Emergency Management Applications

Estimating Populations Isolated by Road Closures
Eric Wilson, Anne Arundel County Office of Information Technology and Jim Larson, Anne Arundel County Department of Public Works

Regional Cooperation During the Possible Contamination of the Three Rivers System: A Case Study using GIS
Thomas R. Mueller, Ph.D., GISP, Department of Earth Sciences, California University of Pennsylvania, Lisa Leyh, Graduate Student, California University of Pennsylvania, and Jaime Mitchem, Ph.D., Department of Earth Science, California University of Pennsylvania

Disaster Deterrence: Mapping for Federal Emergency Management Agencies
Crystal J. Smith and Gary Szilagyi, Medina Consultants

GIS-CAD Integration

The Development of a ModelBuilder Toolbox to Convert GIS Data to Microstation/CAD Format
Daniel J. Smith, KCI Technologies, Inc.

Interoperability Framework Using XML for GIS and CAD
Chris Slavin, Bentley Systems

Bridging the Gap Between CAD and GIS
Chris Tolken, Munsys Inc.

Geodemographic Analysis Applications

Measuring and Comparing the Degree of Gerrymandering in a Redistricting Plan
J. Brian Adams, Ph.D., Department of Mathematics and Computer Science, Franklin & Marshall College

How PCPs (Parallel-Coordinate-Plots) Can be Addictive Yet Good for Your Spatial Data
J. Kevin Byrne, Minneapolis College of Art and Design

Neighborhood Statistical Profile – A Tool for Analysis
Douglas M. Adams, Baltimore County Office of Information Technology and Heidi L. Hammel, GISP, KCI Technologies, Inc.

Mini-Workshop – ESRI Technical Workshop

==Workshop topic TBA==. This mini-workshop session is being organized by Alison Rice, ESRI.

Panel Session – Developing Web Applications: Lessons Learned with ArcGIS Server and Google Maps

This panel session is being conducted by John Schlee, Chris McGovern, and James Tedrick, Montgomery County Planning Department and Eric Wilson, Anne Arundel Office of Information Technology

Poster Session

Democratizing Health Data With HealthLandscape, A Free Online Mapping Tool
Dana Thomson, Robert Graham Center

The Delaware Environmental Watershed Ocean Observing System (DEWOOS)
Linda W. Parrish, Tracy L. DeLiberty, Daniel J. Leathers, David R. Legates, and Kevin Brinson, Department of Geography, University of Delaware

3:00 - 3:30   Coffee Break (Sponsored *by Earth Vector Systems LLC*)

3:30 - 5:00   Concurrent Sessions #2

Energy Applications

Solar Mapping: A Publicly Accessible Geospatial Technology Tool to Assist in Renewable Energy Solutions
Lou Garcia, CH2M Hill

Assessing Potential Environmental Impacts of Large Wind Turbine Construction with GIS
Francis Precht, Ph.D., GISP, Frostburg State University

Examining the Effects of a Potential Wind Turbine Facility on the Viewshed of Assateague Island National Seashore Presentation
Arthur Rodriguez, Assateague Island National Seashore

Environmental Applications I

Dynamic Visualization: A Power Line Case Study
Martin Roche, Fugro EarthData, Inc.

Developing a Wetland Probability Index using GIS
Nasrin Letterman, Greenhorne & O'Mara, Inc.

Using GIS to Create Fast, Flexible, and Collaborative Processes for Selective Purchase of Conservation Easements: A Case-Study of Baltimore County
Wallace Lippincott, Jr. and Robert H. Hirsch, IV, Baltimore County Department of Environmental Protection and Resource Management

Local Government Applications – Planning and Zoning

Updating the Worcester County Comprehensive Land Use Plan Map
Keota Silaphone, Worcester County Department of Comprehensive Planning

A New Way to Manage Comprehensive Zoning for Baltimore County Government
Laure Bowman, Melinda Frost, Baltimore County OIT and Jeff Mayhew, Baltimore County Office of Planning and Zoning

Development Capacity Analysis
Jason Wheatley, Baltimore County → Doug Adams

Mini-Workshop – ESRI Technical Workshop

Workshop topic TBA. This mini-workshop session is being organized by Alison Rice, ESRI.

Panel Session - Applying for GISP Certification: The Why's and the How

This panel session is being organized by Martin Vitiello, GISP, URS Corporation

Web Mapping Applications I

Who Benefits from Placing Subdivision Development Application Information on the Web?
Michael J. Shean, Maryland-National Capital Park & Planning Commission

MyAnneArundel: Anne Arundel County's Current and Future Online Mapping Application
Eric Wilson, Anne Arundel County Office of Information Technology

BMP Web Mashup for the Maryland State Highway Administration
Brendan M. Carroll, KCI Technologies, Inc.

5:00 - 7:00   Ice Breaker Social (special Saint Patrick's Day activities)/Exhibit Showcase (Sponsored by *Leica Geosystems*)

Tuesday, March 18, 2008

7:30 - 9:00   Registration

9:00 - 9:30   Opening Remarks

9:30 - 10:45   Plenary Presentation by Mark Reichardt, President, Open Geospatial Consortium, Inc.

10:30 - 10:45   Coffee Break (Sponsored by *Johnson, Mirmiran, and Thompson*)

10:45 – 12:15   Concurrent Sessions #3

Addressing Applications I

Frederick County Street Centerline and Addressing Project
Kate Sontag, KCI Technologies, Inc. and Ms. Amy Purves, PE, GIS Consultant

Using Addresses on MVA Registration Files to QC and Update Addresses for Building Footprints
Apollo Teng and Carol Bernard, Montgomery County DTS-GIS

Automatic Synchronization of Maryland Address Data
Ashley M. Lesh and Matthew S. Felton, Towson University Center for Geographic Information Sciences

Census Applications

The USPS TIGER/ZIP+4[®] Data Product
Adeline J. Wilcox, Decennial Management Division, U.S. Census Bureau

Statistical Geographic Areas for the 2010 Census and Beyond
Michael Ratcliffe, Geography Division, US Census Bureau

2010 Census Local Update of Census Addresses (LUCA) – A Statewide Approach to Reviewing and Updating the Census Bureau's Master Address File Using MdProperty View
Mike Lettré, Jane Traynham, and Jean Appleton, Maryland Department of Planning

GIS Implementation

GIS Strategic Planning: Evaluating and Selecting an Approach
Rebecca Somers, Somers-St.Claire GIS Management Consultants

Lessons Learned from GIS Strategic and Business Planning: Building a Foundation for Meeting the Public Demand for Geospatial Information
Richard Grady, Applied Geographics, Inc.

Charting Future Directions - Baltimore County's GIS Strategic Business Plan
Douglas M. Adams and Jeffrey Tirschman, PMP, Baltimore County Office of Information Technology

Environmental Applications II

Application of GIS in Maryland's Bay Restoration Fund Onsite Sewer Disposal System (OSDS) Program
Shan Abeywickrama, Maryland Department of the Environment,

NPDES Impervious Feature Extraction with Feature Analyst
Ian Botts and Erin Lesh, KCI Technologies, Inc.

Vertical Datums and LiDAR Reclassification: Considering Local Variations in Mean Sea Level When Estimating Sea Level Rise for Maryland's Coastal Counties
Jeremy Monn, Towson University Center for GIS

Mini-Workshop – ESRI Technical Workshop (Community Tapestry)

Mini-workshop on ESRI's Community Tapestry. This mini-workshop session is being organized by Alison Rice, ESRI.

Web Mapping Applications II

A Picture of Subsidized Households: Querying and Mapping HUD Program Data
Seth R. Marcus, U.S. Department of Housing and Urban Development

GIS-Enabled Websites Made Easy: How Database Configurable Technologies are Helping GIS Managers Make Geospatial Data and Functions More Accessible
Richard Grady, Applied Geographics, Inc.

Users' Perspective on Migrating from ArcIMS to ArcGIS Server
Martin Vitiello, URS Corporation

12:15 - 1:30   Lunch (Sponsored by *ESRI*)

1:30 - 3:00   Concurrent Sessions #4

Addressing Applications II

The Application of Mobile Mapping Technology and Improved Data Processes for Improved Addressing for PSAP Applications in Emergency Dispatch
William Bates, Tele Atlas North America

Baltimore County's Address Field Verification Project
Jonathan Curtis and Patrick Fangmeyer, Baltimore County Office of Information Technology and Dominic Cilento, Johnson, Mirmiran, & Thompson

Experiences from the Operation of a Jurisdiction Master Address Repository
Michael Kevany, PlanGraphics, Inc.

Enterprise GIS

Integration of Geospatial Technology and Enterprise Content Management: Spatially-Enabling Business Processes and Content Management
Steve Beck, Johnson, Mirmiran, and Thompson

An ROI-Based Approach to Enterprise GIS Implementation
Rebecca Somers, Somers-St.Claire GIS Management Consultants

Presentation TBA

GIS Education I

High School Students Use GIS and GPS technology to Study How Water Flows in and Around the Delaware Technical and Community College (DTCC) Campus
Nicole M. Minni, Institute for Public Administration, Water Resources Agency, University of Delaware

Democratizing GIS: Educational Implications and Connection
Ruth W. Evans and Pamela M. Evans, E & E Consultants

Using Elementary School Students to Establish a Mosquito Larvae Monitoring System
Sandy Hoar, MPAS, MPH, PA-C, Department of Healthcare Sciences, The George Washington University

Mini-Workshop – ESRI Technical Workshop

Workshop topic TBA. This mini-workshop session is being organized by Alison Rice, ESRI.

Transportation Applications

Deploying Past, Present and Future Data to Support an Enterprise GIS for the Maryland Aviation Administration
Marcus Rouhani, Division of Facilities Design, Maryland Aviation Administration and Randy Murphy, Grafton Technologies, Inc.

Radical Sharing: An Invitation for Collaborative Development with the Maryland State Highway Administration
Dan Thomas, Greenhorne & O'Mara and Karen Coffman, Maryland State Highway Administration

Presentation TBA → Alison Rice

Web Mapping Applications III - Open Source Applications

Using MapServer as a TileServer for Virtual Earth or WMS Server for Google Earth and OpenLayers: Using the Mapscript API in support of Maryland Department of Planning Applications
Max Phelps, Maryland Department of Planning

OpenLayers: An Open Source Web Mapping Application
John M. Morgan, III, Ph.D., Towson University Geospatial Research and Education Laboratory

CorpsMap: Using Open Source MapServer to Support the Centralized Map Source for the Army Corps of Engineers
Joel Schlagel, U.S. Army Engineer Institute for Water Resources, Nancy Blyler and Ronald T. Santos, U.S. Army Corps of Engineers

3:00 - 3:30   Ice Cream Social (Sponsored by the *URS Corporation*)

3:30 - 5:00	Concurrent Sessions #5

3-D Applications

Convergence of Architecture, Engineering Design, Geospatial, and 3D Simulation
Geoff Zeiss, Ph.D., Autodesk, Inc.

Visualization of Proposed Infrastructure
Martin Roche, Fugro EarthData, Inc.

Visualization of Pollution Transport from the Ohio River Valley into Maryland
Duc Nguyen and Michael Woodman, Maryland Department of the Environment

GIS Education II

The Giovanni-NEO Oceanographic Education Cookbook
J. G. Acker, NASA GES DISC/RSIS Inc., D. Herring, NASA GSFC, Earth Sciences Division, G. Leptoukh, NASA GES DISC, S. Shen, NASA GES DISC/George Mason University, and S. Kempler, NASA GES DISC

The Geospatial Smorgasbord: Examining Some of the Many Ways for Schools to Access Geospatial Information
Martin F. Schmidt, Jr., McDonogh School

GIS and Homeland Security Education
Eric Cromwell, Harford County Public Schools

Mini-Workshop – LIDAR Fundamentals and Applications

This mini-workshop will focus on demonstrating the fundamentals of the LIDAR system and its performance. The goal is to provide a dynamic forum to address current LIDAR acquisition systems and to highlight the capabilities of the new technology.
Qassim A. Abdullah, Ph.D., PLS, CP, Fugro EarthData, Inc.

Mini-Workshop - Creating Web 2.0 Applications on an Open Source Geospatial Platform

Workshop conducted by Geoff Zeiss, Ph.D. and Neal Niemiec, Autodesk, Inc.

Various GIS Applications

Updating Maryland's Hazard Risk Assessment
Missy Valentino and Jeremy Monn, Towson University Center for GIS

Development of a Logistic Regression Model for Predicting Water Pipe Corrosion Potential in Howard County, Maryland
John M. Morgan, III, Paul DiMarco, Howard County Department of Public Works, David Deik, DaccoSci, Inc. and Manesh Pillai, Howard County

Benefits of the Maryland Heritage Structure Rehabilitation Tax Credit Program
Jennifer Chadwick-Moore, Maryland Historical Trust