



# Geographic Information Systems

*in Transportation Safety*

Conference Agenda

December 4–5, 2012



# GIS in Transportation Safety Public Conference

## TUESDAY, DECEMBER 4

9:00 a.m. Welcome and Opening Remarks,  
Deborah A.P. Hersman, NTSB  
Chairman

9:30 a.m. **Panel 1: Opening Panel**  
Reginald Souleyrette, Ph.D., P.E.,  
*University of Kentucky*  
Stephen Lewis, U.S. DOT, *Research  
and Innovative Technology  
Administration*

10:10 a.m. Break/Exhibit Viewing

10:30 a.m. **Panel 2: Multi-Modal Data and  
Technology**  
Nadine Alameh, Ph.D., *Open  
Geospatial Consortium*  
Michael Ratcliffe, U.S. Census Bureau  
George Gonzalez, U.S. DOT, *Federal  
Aviation Administration*  
Jeffrey Danielson, U.S. Geological  
Survey, *Earth Resources  
Observation and Science Center*  
Mark Skoog, NASA

12:00 p.m. Lunch/Exhibit Viewing

1:20 p.m. **Panel 3: Aviation Safety**  
Mike McNerney, Ph.D., P.E., U.S. DOT,  
*Federal Aviation Administration*  
Dejan Damjanovic, *GeoEye*  
Christopher Knouss, *MITRE*  
Rich Fosnot, *Jeppesen*

3:00 p.m. Break/Exhibit Viewing



3:20 p.m. **Panel 4: Highway Safety**  
Craig Thor, Ph.D., U.S. DOT, *Federal  
Highway Administration*  
Matthew Barth, Ph.D., *University of  
California, Riverside*  
John Bigham, *University of  
California, Berkeley*  
Captain Woodland "Butch"  
Wilson, *Baltimore County Police  
Department*

5:00 p.m. Day 1 Concludes/Exhibits Close

## WEDNESDAY, DECEMBER 5

9:00 a.m. **Panel 5: Multi-Modal Application  
and Analysis**  
Lisa Park, *American Transportation  
Research Institute*  
Michelle Barnes, BSCE, MPS,  
*MSGIS, University of Michigan  
Transportation Research Institute*  
Marco Merens, *International Civil  
Aviation Organization*  
Marc Berryman, *National Emergency  
Number Association*

10:15 a.m. Break/Exhibit Viewing

10:35 a.m. **Panel 6: Marine Safety**  
Julia Powell, NOAA, *Coast Survey*  
Peter Noy and Rodney Martinez,  
*U.S. Coast Guard*



12:10 p.m. Lunch/Exhibit Viewing

1:30 p.m. **Panel 7: Rail, Pipeline, and Hazmat  
Safety**  
Raquel Hunt, U.S. DOT, *Federal Rail  
Administration*  
Ed Wells, *Washington Metropolitan  
Area Transit Authority*  
Eric Williams, *Access Midstream  
Partners*  
Amy Nelson, U.S. DOT, *Pipeline  
and Hazardous Materials Safety  
Administration*

3:10 p.m. Break/Exhibit Viewing

3:30 p.m. **Panel 8: Closing Panel**  
David Cowen, Ph.D., *National  
Geospatial Advisory Committee*  
Allen Carroll, *ESRI*

4:25 p.m. Closing Remarks, Deborah A.P.  
Hersman, NTSB Chairman



## **ABOUT THE CONFERENCE**

Geographic Information Systems (GIS) is a rapidly expanding group of technologies and analytical techniques that uses geographically referenced data to support complex data integration, advanced statistical analysis, precise investigation, and effective visualization of data. This conference, Geographic Information Systems in Transportation Safety, will bring researchers and practitioners in transportation safety and GIS together to discuss how GIS data, technologies, and techniques are applied to improve safety in all modes of transportation. They will identify emerging themes, current challenges, and potential solutions in using GIS in transportation safety.

## **FOR ADDITIONAL INFORMATION**

For more information, including the detailed agenda, presenter biographies, archived webcast, presentations, and other materials associated with this conference, please visit [www.nts.gov/news/events/2012/GIS](http://www.nts.gov/news/events/2012/GIS).

## ABOUT THE NTSB

The National Transportation Safety Board is an independent Federal agency charged by Congress with investigating every civil aviation accident the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the Federal Government and other organizations to provide assistance to victims and their family members impacted by major transportation disasters.



490 L'Enfant Plaza, SW  
Washington, D.C. 20594  
[www.nts.gov](http://www.nts.gov)