

1:00 PM to 2:30 PM
Room 7/8/9

Visualizing Data for Decision Making

FAA Aviation Safety Information Analysis and Sharing (ASIA'S) System
Chris Knouss, Geospatial Computing Engineer, The MITRE Corporation

The Use of 3-D Visualization in the Road Safety Audit (RSA) Process
Rebecca Crowe, Transportation Specialist, Federal Highway Administration, Office of Safety

Transportation Information Mapping System
Andrew Williams, Administrator, Office of Technical Services, Ohio Department of Transportation

FHWA – Federal Lands Highway Data Visualization Project
Daniel W. Van Gilder, GIS Program Manager, Eastern Federal Lands Highway Division, Federal Highway Administration

Features of the Redmon Digital Signage System for Commuters
John Redmon, Principal, Redmon Group, Inc.

Contemporary Systems for Map Enabling Transportation Data
Evan Caldwell, Solution Engineer, Esri

Digital Roadway Interactive Visualization and Evaluation Network (DRIVE Net) Data Processing Applications.
Jonathan Corey, Graduate Research Assistant, University of Washington STAR Lab

Mobile Data Collection
Ray Mandli, President, Mandli Communications, Inc.

1:00 PM to 2:30 PM
Media Center

Investment Optimization Tools (Trade-off Analysis)

Data Visualization to Improve Decision Making at MD SHA
Subrat Mahapatra, Transportation Engineering Manager, Office of Planning and Preliminary Engineering, MD State Highway Administration (SHA)

FTA Transit Economic Requirements Model Lite ("TERM Lite")
Federal Transit Administration

Data Driven Approach to the Development of Possible Solutions to Transportation Corridor Problems.
Tim Lomax, Senior Research Engineer and Regents Fellow, Texas A&M Transportation Institute

HRT Capital Project Prioritization System
Andrew Zalewski, Transportation Planner, Foursquare Integrated Transportation Planning

A Practical Investment Optimization Tool by Means of Certainty-Uncertainty Searches
Brian G. Chow, Senior Physical Scientist and Professor, RAND Corporation

HERS: A Tool for Trade-Off Analysis
Rabinder Bains, Senior Economist, Federal Highway Administration

2:45 PM to 3:00 PM
West Atrium

Closing Remarks

Call to Action
Polly Trottenberg, Under Secretary of Transportation for Policy, United States Department of Transportation

The Exhibit hall will remain open until 4:00 PM



U.S. Department of Transportation
Federal Highway Administration

May 9, 2013



9:00 AM to 4:00 PM

U. S. Department of Transportation Headquarters

West Atrium and Conference Center

1200 New Jersey Avenue, SE

Washington, DC 20024

AGENDA

8:30 AM to 9:30 AM Registration

USDOT Lobby

Lunch tickets are available for purchase (\$11.00) during registration

9:30 AM to 10:15 AM Welcoming Remarks

West Atrium

9:30 AM to 10:15 AM Keynote

West Atrium

Transportation Data Needs for Performance Management and Decision Making
Peter Stephanos, Director, Office of Transportation Performance Management, Federal Highway Administration

10:30 AM to 12:00 PM Modal Split and Occupancy Data

Room 6

Enriching Data Through Integration
Wade Rosado, Capability Development Leader, Cubic Transportation Systems, Inc.

High Occupancy Taxi Trips
David Mahfouda, CEO, Bandwagon

Bikeshare as Transit: Strategic Expansion Through Advanced Data Visualization
Shana Retherford Johnson, AICP, Senior Transportation Planner, Foursquare Integrated Transportation Planning

Using Innovative Data Analysis Methods to Facilitate Communication and Transit Investment Decision Making in Montgomery County
Eric Graye, AICP, PTP, Planning Supervisor, Maryland-National Capital Park and Planning Commission (M-NCPPC) - Montgomery County

Data for Integrated Corridor Management (ICM) Analysis, Modeling, and Simulation (AMS), and Operations
Steve Mortensen, Senior ITS Engineer, Federal Transit Administration

10:30 AM to 12:00 PM Data Mining and Algorithm Development

Room 7/8/9

Long-term Pavement Performance Program Information Management System
Y. Jane Jiang, Research Highway Engineer, Federal Highway Administration Office of Infrastructure R&D

Web Based Delivery of Large Data
D.J. Swan, Sr. Pavement Management Engineer, Fugro Roadware

National Highway Construction Cost Index
Vincent Fang, Sr. Economist, MacroSys, LLC

ODOT's Use of Data for Snow & Ice Recovery Evaluation
John MacAdam, PE, ITS Engineer, The Ohio Department of Transportation

Research Data Exchange
Gene McHale, Team Leader, Federal Highway Administration Office of Operations R&D

Integrated Transportation Modeling Data Hub
Brandon Nevers, Principal Engineer, Kittelson & Associates, Inc.

10:30 AM to 12:00 PM Life Cycle Approach to Transportation Data Systems and Tools

Media Center

FHWA Data Integration Project
Ronald Vaughn, Transportation Specialist, Federal Highway Administration

Life Cycle Approach to Transportation Data Systems and Tools
Maria Chau, Senior Community Planner, Federal Highway Administration – New York Division

STREAM: A Systematic Technology Reconnaissance, Evaluation and Adoption Methodology
Steven W. Popper, Senior Economist, RAND Corporation

The Confluence of Operations, Asset, Planning, Emergency Management, and Private Sector Transportation Data: Leveraging
Michael L. Pack, Director, Center for Advanced Transportation Technology Laboratory (CATT Lab)

Seasonal Weight Restriction Decision Process
Jack Sickel, Transportation Information Group Manager, Alaska Department of Transportation and Public Facilities

Wireless Vehicle Detection System – Real-time Count Stations
James Cheeks, Chief of Traffic Signals, Safety, Standards and ITS, Washington, DC District Department of Transportation (DDOT)

12:00 PM to 1:00 PM Lunch, Exhibitors, Networking

West Atrium

Lunch tickets are available for purchase (\$11.00)
**Exhibitors
Networking**

1:00 PM to 2:30 PM Using Supplementary/Alternative Data Sources and Real-Time Data

Room 6

Advanced Mobile Asset Collection
Bill Toothill, Director, Technical Services, DBI Services

Value & Uses of Subsurface & Underground Data in Transportation
Steven DiBenedetto, Senior Geoscientist & Technology Manager, Underground Imaging Technologies, LLC

Deriving Intelligence from Multiple Disparate Data Sources
Clark D. Richey, Jr., Technical Director, MarkLogic

Data Services for Transportation System Management and Performance Monitoring
Ted Trepanier, Senior Director, Public Sector, INRIX, Inc.

Use of Wide-area Persistent Airborne Surveillance to Capture Highway Flow Metrics
Gregory W. Jordan, President, Skycomp, Inc.

Unmanned Aerial Systems (UAS) for GIS mapping
Todd M. Audet, Deputy Director, Ohio Department of Transportation, District 2