



***Better Safety Results through Information Sharing:
A Workshop***

July 12-13, 2012

Irvine, California

**Organized by
Transportation Research Board**

WORKSHOP OVERVIEW

In an ideal world, data, information and knowledge produced by research, and lessons learned by practitioners are quickly made available and used to improve practice and yield better results. New research is initiated to address the most pressing issues and is well informed by prior work. Is this cycle of information sharing and knowledge transfer working as well as it could? This workshop looks at this question for the area of highway safety. It brings together multiple communities: researchers, practitioners, information providers and library/information managers to assess the current state of affairs and identify opportunities for collaboration that could result in reduced duplication of effort, cost savings and improved information access for safety researchers and practitioners.

Transportation professionals working in the transportation safety arena have access to a vast array of information at their fingertips. Paradoxically, they still spend a considerable amount of time finding information of relevance to their work. Too often, researchers and practitioners proceed without the benefit of knowing what has been done before. The explosion of information and multitude of sources makes it extremely challenging for people to get the information they need, when they need it. The transportation library community has made great progress in establishing consolidated catalogues of published literature and increasingly, multimedia and data resources. In addition, multiple web portals and wiki sites have been built around particular topic areas. However, a great deal of valuable information is not captured within national catalogues – e.g. unpublished or “grey literature” such as presentations, and data sets produced as part of research projects. In addition, there is overlap across existing web portals and there is no easy way to find out where to go for the most relevant and current information.

Workshop participants will learn about current information sharing initiatives, and develop a realistic set of strategies for improved collaboration. The results of the workshop will be an Action Plan including both immediate steps as well as initiatives that can be undertaken over the next 1-3 years.

TRANSPORTATION RESEARCH BOARD OF THE NATIONAL ACADEMIES

The **Transportation Research Board** is one of six major divisions of the National Research Council, which serves as an independent adviser to the federal government and others on scientific and technical questions of national importance. The National Research Council is jointly administered by the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine. The mission of the Transportation Research Board is to provide leadership in transportation innovation and progress through research and information exchange, conducted within a setting that is objective, interdisciplinary, and multimodal. The Board's varied activities annually engage about 7,000 engineers, scientists, and other transportation researchers and practitioners from the public and private sectors and academia, all of whom contribute their expertise in the public interest. The program is supported by state transportation departments, federal agencies including the component administrations of the U.S. Department of Transportation, and other organizations and individuals interested in the development of transportation.

www.TRB.org

WORKSHOP AGENDA

Thursday, July 12

7:30 a.m. – 7:45 a.m., *Hyatt Regency Hotel Lobby*

Meet in the lobby of Hyatt Regency Newport Beach for carpools to the Beckman Center

7:15 a.m. – 6:00 p.m.

Registration

7:45 a.m. – 8:45 a.m., *Dining Room*

Breakfast

8:45 a.m. – 10:15 a.m., *Huntington Room*

Opening Plenary Session

Welcome and Opening Remarks

[Amanda Wilson](#), National Transportation Library

[Neil Pederson](#), Strategic Highway Research Program 2

[John Milton](#), WSDOT

Information Sharing Examples

[Amanda Wilson](#), *Presiding*

Current examples of information sharing to support research and technology transfer will be presented. Each presenter will review the objectives, intended users, success stories and challenges faced to date.

Overview of Safety Information Resources

[Ida van Schalkwyk](#), CH2MHill

Safety.data.gov

[Patricia Hu](#), USDOT, Bureau of Transportation Statistics

SHRP-2 Knowledge Transfer System

[David Plazak](#), Transportation Research. Board/SHRP 2 Program

10:15 a.m. – 10:30 a.m.

Break

10:30 a.m. – noon, *Huntington Room*

Panel Discussion: Information Sharing Challenges for Researchers

[Katherine F. Turnbull](#), Texas Transportation Institute, *presiding*

This panel discussion focuses on the challenges researchers face in finding, accessing, using, and sharing safety-related data and information. Panelists will describe current challenges, successes, and opportunities for further enhancing the use of safety data in a wide range of research applications. The new data archiving policies, technology applications, privacy concerns, and access to non-traditional data sources will be examined.

Panelists

[Reg Souleyrette](#), University of Kentucky

[John Ivan](#), University of Connecticut

[Chris Monsere](#), Portland State University

[Heather Rothenburg](#), Federal Highway Administration

noon – 12:45 p.m., *Dining Room*

Lunch

12:45 p.m. – 2:15 p.m., *Huntington Room*

Panel Discussion: Information Sharing Challenges for Practice

Laura Melendy, University of California, Berkeley, *Presiding*

This panel discussion examines the challenges related to getting needed data, current research findings, recent innovations, and information on best practices into the hands of practitioners in state and local agencies, who can apply that knowledge to improve safety for transportation system users. Panelists will briefly review the tools currently used for technology transfer, and discuss challenges, success stories, and opportunities for improvements to ensure research results are put into practice, and how to accelerate that process.

Panelists

[Barbara Harder](#), B.T. Harder, Inc.

[Lissa Gay](#), University of Tennessee

[Jesse Bhullar](#), California Department of Transportation

Marie Walsh, Louisiana Transportation Research Center (LTAP)

Chris Murphy, California Office of Traffic Safety

2:15 p.m.– 3:30 p.m., *Huntington Room*

Panel Discussion: Collaboration Opportunities

Maggie Sacco, HS InFocus, *Presiding*

In this session, we will explore the kinds of collaboration that will be needed to improve the connections between knowledge, research and practice. Our panelists will describe the kind of collaboration that is now occurring across agencies and organizations to facilitate information sharing. Then, we will discuss possible further opportunities for building on existing partnerships and establishing new ones.

Panelists

Nelda Bravo, FHWA

[Sue Sillick](#), Montana DOT

[Roberto Sarmiento](#), Northwestern University

[Jack Stickel](#), Alaska Department of Transportation & Public Facilities

[Terry Bills](#), ESRI

3:30 p.m. – 3:45 p.m.

Break

3:45 p.m. – 4:45 p.m., *Huntington Room*

Working Session #1: Improvement Needs and Strategies

Joseph Schofer, Northwestern University, *presiding*

This is a “town hall” style brainstorming session to identify improvement needs and strategies. What opportunities are there to improve safety results through better information sharing? What is needed to improve the flow of information among researchers, from research to practice, and across agencies? Based on the morning’s presentations and discussion, the group will identify a set of priority improvement needs. Then, the group will identify a set of strategies that could be pursued to address the priority improvement needs.

4:45 P.M – 6:00 PM, *Atrium*

Electronic Poster Session and Reception

Michael Pack, University of Maryland and Kendra Levine, Institute of Transportation Studies, *presiding*

Workshop participants are invited to browse, share and discuss current and emerging tools for traffic and safety information sharing.

Safety.data.gov

Patricia Hu, Bureau of Transportation Statistics

SHRP-2 Knowledge Transfer System

David Plazak, TRB/SHRP-2

RITIS Data Repository - EVC - Vehicle Probe - Incident Cluster

Michael Pack, University of Maryland

RITA Online Knowledge Communities

Amanda Wilson, National Transportation Library

Workzone Safety Information Clearinghouse

Katie Turnbull, Texas Transportation Institute

ESRI Analysis Tools

Terry Bills, ESRI

6:00 p.m. , *Dining Room*

Dinner (*Dinner will be served at the Beckman Center*)

Friday, July 13

7:30 a.m. – 7:45 a.m., *Hyatt Regency Hotel Lobby*

Meet in the lobby of Hyatt Regency Newport Beach for carpools to the Beckman Center

8:00 a.m. – 9.00 a.m., *Dining Room*

Breakfast

8:00 a.m. – 9.00 a.m., *Executive Dining Room*

Planning Committee Meeting (by invitation only)

9:00 a.m. – 10:30 a.m., *Huntington Room*

Working Session #2: Identify Candidate Action Items

Joseph Schofer, Northwestern University, *Presiding*

This is a working session to review the strategies from the previous day, and identify a set of specific action items that could be pursued over the next 1-3 years to improve the state of the practice.

10:30 a.m. – 10:45 a.m.

Break

10:45 a.m. – 11:15 a.m., *Huntington Room*

Working Session #3: Prioritize Action Items

Joseph Schofer, Northwestern University, *Presiding*

In this final working session, the group will select a small set of achievable action items based on potential benefits and available resources.

11:15 a.m. – 12:15 p.m., *Huntington Room*

Closing Session

Frances D. Harrison, Spy Pond Partners, *Presiding*

Panelists summarize major take-aways from the workshop, and identify some immediate next steps. All workshop participants are given the opportunity to react to the panelist remarks and offer concluding comments.

Chris Murphy, member, Governor's Highway Safety Association

John Milton, chair, TRB Highway Safety Performance Committee and member, AASHTO Standing Committee on Traffic Safety

Heather Rothenberg, FHWA Office of Safety

Robert Cullen, AASHTO

Amanda Wilson, National Transportation Library

12:15 PM – 1:00 PM, *Dining Room*

Lunch

1:00 p.m. – 2:00 p.m., *Board Room*

Planning Committee Meeting (by invitation only)

WORKSHOP SCOPE

	Data	Research	Practice
Type of Information being shared	<ul style="list-style-type: none"> - Highway Inventory Data - Crash Data - Crash Reduction Factors - Before/After Studies - Archived Traffic Data 	<ul style="list-style-type: none"> - Research Reports – FHWA, NHTSA, TRB/ NHCRP/ SHRP, state DOT-funded - Journal articles - Survey data (e.g. from synthesis projects) 	<ul style="list-style-type: none"> - Guidance documents - Training Materials (text, video, audio) - Conference and training event schedules - Conference presentations - Expertise directories
Challenges to be Addressed	<ul style="list-style-type: none"> - Data standards - Meta data supporting multi-purpose datasets - Rights management - Barriers to sharing (e.g. not invented here syndrome) 	<ul style="list-style-type: none"> - Maximizing value from existing research – avoid re-creating the wheel - Meeting new data archiving requirements 	<ul style="list-style-type: none"> - Avoiding duplication of effort – fully leverage existing materials - Strengthening links from research to deployment - Peer to peer sharing of practices
Collaboration Opportunities: Library / Information Professionals and Information Producers/ Providers	Portal Development Kit Data Tagging/Controlled Vocabularies ...		
Collaboration Opportunities: Cross Organizations	Research Program & Project Management (RPPM) Sharepoint Site – RITA/FHWA/AASHTO Communities of Interest SAFETY.DATA.GOV Coordinated RSS Feeds ...		
Future Actions	Research Needs Statements TRB Sessions: LIST/Data Section/Safety/DFD STF ...		

SELECTED SAFETY INFORMATION RESOURCES (WEB SITES)

[The Highway Safety Information System](#): A multistate database that contains crash, roadway inventory, and traffic volume data for a select group of States.

[NHTSA Vehicle Crash Test Database](#): Contains engineering data measured during various types of research, the New Car Assessment Program (NCAP), and compliance crash tests.

[Aviation Safety Information Analysis and Sharing \(ASIAS\) system](#): Enables users to perform integrated queries across multiple databases, search an extensive warehouse of safety data, and display pertinent elements in an array of useful formats

[University of Michigan Transportation Data Center](#): Provided by the Center for International Transportation Data, University of Michigan, acquiring data from state, federal, and international road safety and other pertaining datasets.

[SafeRoadMaps](#): A ground-breaking tool that combines information from the Fatality Analysis Reporting System with Google Maps.

[TRB Safety and Human Factors Research Page](#): View of TRB reports, meeting announcements, requests for proposals, and other announcements related to safety and human factors. Includes links to selected safety and human factors research-related activities taking place at the federal and state levels, and within the academic and international transportation communities, and highlights and provides links to TRB programs and activities.

[SafetyLit](#): Online source for current and past scholarly research about all aspects of injury prevention and safety promotion.

[National Work Zone Safety Information Clearinghouse](#): A comprehensive information resource on roadway construction zone safety. Resources brought together include links to data, and some data, expert locator, reports, and training resources. Maintained by a single source.

[Traffic Safety Marketing](#): Site for exchange of traffic safety marketing materials.

[United Nations Road Safety Collaboration](#): A database providing information about global road safety legislation. It has been developed by the United Nations and partners (US DOT/NHTSA, UNECE, WHO), and is constantly being updated as more collaborators join and contribute to the database.

[Rural Highway Safety Clearinghouse](#): An easy-to-use starting point for information about safety on our nation's rural roads by featuring resources and best practices for key rural safety topics. Users are able to submit resources and participate in building community via Facebook page.

[Crash Modification Factors Clearinghouse](#): Houses a Web-based database of CMFs along with supporting documentation to help transportation engineers identify the most appropriate countermeasure for their safety needs. Users are able to search and submit resources to this database.

[Governors' Highway Safety Association Resources](#): GHSA Safety Showcase provides an opportunity for State Highway Safety Offices (SHSOs) to share their program successes and innovative practices.

[AASHTO Highway Safety Manual](#): Link to resources related to the Highway Safety Manual.

[Institute of Transportation Engineers](#): ITE safety resources

[North Carolina Highway Safety Research Center](#)

[ITS Berkeley Safe Transportation Research & Education Center](#)

[AAA Foundation for Traffic Safety Resources](#)

[Insurance Institute for Highway Safety Resources](#)

Other General Transportation Collaborative Data Sharing Sites

[Data.gov](#): Raw data provided by the U.S. Federal Executive Branch. Datasets can be viewed by type, agency, category, and topic.

[Marine Transportation System Data Inventory](#): Index of maritime sources produced or used by the Federal Government

[Hartford, CT Capitol Region Council of Governments](#): A transportation data clearinghouse for use in transportation planning.

[The WisTransPortal Project](#): The project scope includes support for ITS data archiving, real-time traffic information, conditions and safety.

[Johns Hopkins Data Conservancy](#): Project focused on addressing data management problem by building data management tools and services for data across institutions and disciplines. [Resilient and Sustainable Cities \(RS\)](#) case study presentation.

[The Guardian: World Government Data](#): Data sources from all over the world, including transport safety data.

WORKSHOP PLANNING COMMITTEE

Thomas Bolle, Research and Innovative Technology Administration (RITA)

Frances Harrison, Spy Pond Partners, LLC

Kendra Levine, University of California, Berkeley

Laura Melendy, University of California, Berkeley

Michael Pack, University of Maryland

Maggie Sacco, HS Infocus

Joseph Schofer, Northwestern University

Katie Turnbull, Texas Transportation Institute (TTI)

Amanda Wilson, Research and Innovative Technology Administration (RITA)

SAVE THE DATE



5th National Bus Rapid Transit Conference



**August 20-22, 2012
Las Vegas, Nevada**

Hotel Information

Paris Las Vegas

3655 Las Vegas Boulevard South

Las Vegas, NV 89109

Telephone Reservations: 1-877-796-2096

(please provide the group code SPTRB2 to receive the TRB rate)

Contact

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or visit

<http://www.trb.org/Calendar/Blurbs/166659.aspx>



International Transportation Research Information Access
September 12-13, 2012
Washington, DC

Hotel Information

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Visit: <http://www.cvent.com/d/lcqqqh>

Floorplan

