



TRB 85th Annual Meeting Announcement
MEETING REGISTRATION AND HOTEL RESERVATIONS

JANUARY 22–26, 2006 WASHINGTON, D.C.

TRANSPORTATION RESEARCH BOARD

85th Annual Meeting

On behalf of the Executive Committee of the Transportation Research Board (TRB), we invite you to participate in the TRB 85th Annual Meeting, an information-packed program that will attract more than 9,500 transportation professionals from around the world to Washington, D.C., January 22–26, 2006. You will gain an unparalleled opportunity to share your knowledge and perspectives with colleagues and to learn about the latest developments in transportation research, policy, and practice.

The TRB Annual Meeting program covers all transportation modes, with approximately 2,600 papers and presentations in 500 sessions addressing topics of interest to all attendees—policy makers, administrators, practitioners, researchers, and representatives of government, industry, and academic institutions. This year's spotlight theme is Transportation 2025: Getting There from Here. Other highlights will be The Interstate Highway System's 50th Anniversary: What Have We Learned? and SAFETEA-LU: What It Means for Research and the Transportation Community. Sessions also will bring you up to date on the new transportation research programs contained in the reauthorization legislation.

Specialty workshops, poster sessions, committee meetings, and exhibits of TRB sponsors and nonprofit transportation associations complement the formal sessions and provide a variety of opportunities for information sharing and interaction. All registrants will receive the TRB 85th Annual Meeting Compendium of Papers CD-ROM.

Visit the TRB website (TRB.org/Meeting) in early November for session details and other program information. **Use the Interactive Preliminary Program on the website to conduct searches and to plan your itinerary.** If you register for the meeting in advance, you will be able to gain access to meeting room names when using the Interactive Preliminary Program.

Keep informed about the Annual Meeting through TRB's free electronic newsletter. The *Transportation Research E-Newsletter* also provides information on federal, state, academic, and international transportation research activities. To subscribe, send an e-mail to RHouston@NAS.edu with "TRB E-Newsletter" in the subject area.

Register before November 30 to take advantage of the reduced fees, to gain access to the enhanced Interactive Preliminary Program features, and to ensure that registration materials will be ready for you on site. Registration by Internet and fax is encouraged. If you are not a TRB Individual Affiliate Member, you can enroll and qualify immediately for reduced registration fees (see Registration Classifications and Fees on page 1). This Announcement includes forms for meeting registration and hotel reservations.

Plan now to attend the TRB 85th Annual Meeting—we look forward to seeing you in Washington, D.C., this January.



John Njord

John Njord
Chair, Executive Committee



Robert E. Skinner, Jr.

Robert E. Skinner, Jr.
Executive Director

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TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

500 Fifth Street, NW
Washington, DC 20001
202-334-2934, Fax: 202-334-2030
TRB.org/Meeting

The Transportation Research Board is a division 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—one of six major divisions of the National Research Council—is to promote innovation and progress in transportation through research.

Registration and Scheduling Information

The Transportation Research Board (TRB) 85th Annual Meeting will be held in Washington, D.C., at the Connecticut Avenue Collection hotels: Marriott Wardman Park, Omni Shoreham, and Hilton Washington. All sessions and meetings, except executive sessions, are open to registrants.

Registration and Tickets

Registration is required for all attendees, including those who attend any workshop; fees must accompany the Registration Form, page 14. The registration fee includes admission to no-fee workshops, sessions, and exhibits; a copy of the Annual Meeting Compendium of Papers CD-ROM; and use of the Annual Meeting shuttle service. The Human Factors Workshops (limited attendance) and the Chairman's Luncheon require an additional fee.

Register as soon as possible by completing the registration form at the TRB website (www.TRB.org/Meeting). Internet and fax registrations are encouraged for immediate confirmation. **November 30 is the deadline for advance registration at the reduced fees.** Online registration closes on December 31. Written confirmations will be sent within two weeks by e-mail, fax, or mail. *If you do not receive a confirmation, please check the status of your registration by contacting Customer Service:*

301-694-5243 (9:00 a.m.–5:00 p.m., EST)
Fax: 301-694-5124

Advance registrants may pick up badges, tickets, CD-ROMs, and Final Programs at the TRB Registration desk at any Connecticut Avenue Collection hotel. Registrations received after November 30 are considered on-site registrations, and the higher fees apply. On-site registration for the no-fee categories is available at all hotels; fee categories may register only at the Marriott Wardman Park and Hilton Washington hotels. Registration is open:

- Saturday, January 21 4:30 p.m.–7:30 p.m.
- Sunday, January 22 7:30 a.m.–7:30 p.m.
- Monday, January 23 7:00 a.m.–7:30 p.m.
- Tuesday, January 24 7:30 a.m.–7:30 p.m.
- Wednesday, January 25 7:30 a.m.–6:00 p.m.

Payment is required at the time of registration, by credit card (MasterCard, VISA, or American Express) or by check payable to TRB in U.S. funds drawn on a U.S. bank. Only government agencies and universities may submit purchase orders (Federal Identification 53-0196932).

Registration Classifications and Fees

	Advance—by November 30	After November 30 and On-Site
TRB Individual Affiliate Member	\$280	\$465
Nonmember ¹	\$435	\$665
One day	\$225	\$365
Member of TRB Council, Committee, Task Force, NCHRP/TCRP Panel, or Program Participant, or Mentee ²	\$215	\$335
TRB Student Affiliate Member	\$ 30	\$ 40
Student (full time) ¹	\$100	\$110
TRB Executive Committee Member; Emeritus Member; Chair of TRB Council, Section, Committee, Task Force, or NCHRP/TCRP Panel; TRB-Appointed University/Transit Representative ³ ; Sustaining/Organizational Affiliate ³ ; or employee of TRB Sponsor	No Fee	No Fee

¹Become a TRB Affiliate by November 30 and pay the reduced registration fee.

²Must be under 30 years old and from the same organization as the mentor; follow instructions on the Registration Form, page 14.

³Must receive special notice from TRB to qualify.

Become a TRB Affiliate Member

Take advantage of reduced Annual Meeting registration fees by November 30, plus year-round benefits:

- **Individual affiliates** pay an \$87 annual fee. Benefits include information about TRB meetings; reduced meeting registration fees; subscriptions to TRB's bimonthly magazine *TR News* and the *TRB E-Newsletter*; a discount on most TRB publications and the subscription service; and use of the TRB Library.
- **Student affiliates** pay \$57. Affiliation is available to full-time students of accredited postsecondary institutions.

Information: Kelvin Jordan, 202-334-3216, TRBSales@NAS.edu.

TRB Sponsors

Employees of the following TRB Sponsors should register using category I on the Registration Form.

American Public Transportation Association
American Transportation Research Institute
Association of American Railroads
Federal Aviation Administration
Federal Highway Administration
Federal Motor Carrier Safety Administration
Federal Railroad Administration
Federal Transit Administration
Maritime Administration
National Aeronautics and Space Administration
National Highway Traffic Safety Administration
Research and Innovative Technology Administration
State Departments of Transportation, Puerto Rico, District of Columbia, and American Association of State Highway and Transportation Officials
U.S. Army Corps of Engineers
U.S. Coast Guard
U.S. Department of Energy
U.S. Department of Transportation
U.S. Environmental Protection Agency
Volpe National Transportation Systems Center

Mentee/Mentor Registration

TRB again is offering the Mentee/Mentor registration category—a mentee who registers for the meeting with a mentor may qualify for a reduced fee. The mentee must be under 30 years old, from the same organization as the mentor, and must register on the same Registration Form as the mentor (who must register in categories A–H).

Registration Cancellation and Refunds

Cancellations received in writing (fax to Customer Service at 301-694-5124) by December 15 will be refunded less a \$25 processing fee. No refunds will be issued after December 15.

Have a Question?

For registration information, contact Customer Service, P.O. Box 590, Frederick, MD 21705 (301-694-5243, 9:00 a.m.–5:00 p.m., EST; fax 301-694-5124). For hotel reservations, contact the hotel of your choice (see pages 12–13). For general information, check the TRB website (TRB.org/Meeting), call TRB staff (202-334-2934), or fax your request (202-334-2299).

Session Topics and Locations

The TRB 85th Annual Meeting includes more than 500 sessions and 350 meetings organized by TRB's standing committees and task forces. Following is a sampling of the major topic areas. Many sessions will be cross-disciplinary, spanning the purviews of several TRB groups, sections, and committees.

Also shown are the hotels that will serve as the locations for the majority of sessions and meetings for each topic. Session details and scheduling information will be posted on the TRB website (TRB.org/Meeting) in early November. Use the Interactive Preliminary Program on the website to conduct searches and to plan your itinerary.

Topic	Location
Aviation	Shoreham
Bituminous Materials	Marriott
Concrete Materials	Marriott
Construction	Marriott
Data and Information Systems	Hilton
Design	Marriott and Shoreham
Environment and Energy	Hilton
Freight Systems	Shoreham
Geology and Earth Materials	Marriott and Shoreham
International Activities	Hilton
Interstate Highway System's 50th Anniversary: What Have We Learned?	Marriott
Legal Resources	Marriott
Environmental; Transit	Hilton
Maintenance	Marriott
Management and Leadership	Hilton
Marine	Shoreham
Operations	Marriott
Pavement Management	Marriott and Shoreham
Pedestrians and Cycles	Marriott
Pedestrians	Hilton
Public Transportation and Ferries	Hilton
Rail	Marriott and Shoreham
Research and Education	Hilton
Roadway Pavement Preservation	Marriott
Safety	Marriott
Security	All Hotels
Social, Economic, and Cultural Issues	Hilton
Soil Mechanics	Marriott
Structures	Marriott and Shoreham
Systems Planning, Policy, and Process	Hilton
Taxation and Finance	Hilton
Transportation 2025: Getting There from Here	All Hotels
Transportation Policy	Shoreham and Hilton
Travel Analysis Methods	Hilton
Trucking	Shoreham
Users	Marriott

Session Time Frames

The TRB Annual Meeting offers approximately 2,600 papers and presentations. Full details will be posted on the TRB website (TRB.org/Meeting) in early November. Following are the session time frames:

- 8:00 a.m.–9:45 a.m.
- 10:15 a.m.–noon
- 1:30 p.m.–3:15 p.m. (Wednesday, 2:30 p.m.–4:00 p.m.)
- 3:45 p.m.–5:30 p.m. (Wednesday, 4:30 p.m.–6:00 p.m.)
- 7:30 p.m.–9:30 p.m.

Workshops

Most workshops are held concurrently. Workshop attendees are required to register for the TRB Annual Meeting. There are no additional fees for attending workshops, except for the Human Factors Workshops, which have limits on attendance. Please submit the fee for these ticketed workshops, which include refreshments, with the Registration Form. All workshops are listed by subject on pages 5–9. Descriptions of the Human Factors Workshop sessions appear on pages 10–11. The workshop number (100 series) follows each title. Full workshop details are posted on the TRB website (TRB.org/Meeting).

Spotlight Sessions



This year's Annual Meeting will spotlight Transportation 2025: Getting There from Here. The theme will be featured in sessions that cross all modes and disciplines, at all hotels. Also highlighted will be The Interstate Highway System's 50th Anniversary: What Have We Learned? plus the latest on SAFETEA-LU: What It Means for Research and the Transportation Community.

Meet-the-Author Poster Sessions



Meet-the-Author Poster Sessions provide an opportunity to interact with authors in a more personal setting than the conventional lecture. Poster sessions are scheduled for half-day periods, Monday, January 23–Wednesday, January 25, 9:30 a.m.–noon and 2:30 p.m.–5:00 p.m. Poster session authors are available to provide details about their research and answer questions, 10:00 a.m.–11:00 a.m. or 3:00 p.m.–4:00 p.m.

Committee Meetings

TRB committees hold more than 350 meetings during the five-day event. Meeting schedules conform to the session time frames listed above, unless otherwise noted in the Final Program.

Secure Your Visa

If you need a visa to enter the United States for the Annual Meeting, please apply now! Even if you did not need a visa for a previous Annual Meeting, please check the current requirements. If you need an Annual Meeting invitation letter, contact Rosa Allen (RAllen@NAS.edu). General information on the U.S. visa application process is available through the National Academies' International Visitors Office (www.National-Academies.org/Visas). Official information is available from the U.S. Department of State (UnitedStatesVisas.gov).

Presentations That Won't Leave Your Audience in the Dark!

Workshop 147 • Sunday, January 22 • 1:30 p.m.–2:30 p.m.
Marriott, Delaware

Learn speaking tips, techniques for preparing high-quality presentations, and on-site troubleshooting techniques from Patricia Lees of the Council for Adult and Experimental Learning. All Annual Meeting attendees are welcome.

New and Young Attendees Welcome Session

Sunday, January 22 • 2:30 p.m.–4:00 p.m.
Marriott, Salon 2

Attendees age 30 and under and everyone attending the TRB Annual Meeting for the first time—or for the first time in several years—are invited to attend this session and networking reception. The program offers a brief overview of TRB, tips on navigating the Annual Meeting, the role that TRB can play in career development, and an opportunity to become involved in TRB activities. Refreshments are provided after the program, with an opportunity for attendees to meet each other and TRB leaders. Please indicate on the Registration Form if you plan to attend.

Chairman's Luncheon
Wednesday, January 25
Noon–2:00 p.m.
Shoreham

Advance registration
advised

\$55 **TICKET**

The Chairman's Luncheon, hosted by 2005 Executive Committee Chair John Njord, includes the introduction of new Executive Committee members and officers; a featured speaker; and presentation of TRB's most prestigious awards. Balcony seating is available for attendees who do not register for the lunch.

International Participants Reception

Sunday, January 22 • 6:00 p.m.–8:00 p.m.
Hilton, International East



International attendees at the Annual Meeting are invited to attend the International Participants Reception and to get involved in TRB committee activities. A no-host bar will be available.

Thomas B. Deen Distinguished Lecture

Monday, January 23 • 6:00 p.m.–7:00 p.m.
Marriott, Salon 1

The recipient of the 2006 Thomas B. Deen Distinguished Lectureship is Abba G. Lichtenstein, founder of Lichtenstein Consulting Engineers, who will speak on “The Preservation of Historic Transportation Facilities.” The award recognizes the career contributions and achievements of an individual in areas covered by the Board's Technical Activities Division. Honorees present overviews of their technical areas, covering the evolution, status, and prospects for the future. A copy of the lecture will be available on the TRB Annual Meeting Compendium of Papers CD-ROM.

Dwight David Eisenhower Transportation Fellowship Program Research Showcase

Tuesday, January 24 • 8:30 a.m.–5:30 p.m.

FHWA's Universities and Grants Programs is sponsoring the 13th Annual Dwight David Eisenhower Research Showcase. The showcase will feature research on a variety of transportation topics by Eisenhower Fellowship recipients from universities across the nation and will address related issues such as the education and training of new transportation professionals, transportation workforce development, and more. A networking reception follows the showcase.

Information: Gwen Sutton, 703-235-0538,
transportationedu@fhwa.dot.gov.

General Information

Interactive Preliminary Program

An advance version of the Final Program with full session and individual presentation information will be available in early November on the TRB website (TRB.org/Meeting). Use the **Interactive Preliminary Program on the website to conduct searches and to plan your itinerary.** If you register for the meeting in advance, you will receive access to the meeting room names on the Interactive Preliminary Program. TRB will need your e-mail address to provide this special online access—therefore be sure to provide your e-mail address on the Registration Form.

TRB E-Newsletter

Keep informed about the Annual Meeting through TRB's free electronic newsletter. The weekly e-newsletter also provides information on federal, state, academic, and international transportation research activities. To subscribe, send an e-mail to RHouston@NAS.edu with “TRB E-Newsletter” in the subject area. Past newsletters are posted at TRB.org/News.

Compendium of Papers CD-ROM

Entries in the Final Program accepted for presentation by a TRB review committee are designated with a paper number (06- followed by four digits). The CD-ROM containing the presented papers is included with each Annual Meeting registration. Additional CD-ROMs may be purchased for \$70 each—see the item on the Registration Form.

Discussions

Attendees are welcome to submit written discussions of any paper presented at the Annual Meeting. The Final Program will include detailed instructions.

Professional Development Hours

Nationally recognized Professional Development Hours (PDHs) are awarded for attending the Annual Meeting. Each hour of participation earns one (1) PDH; attendees must maintain their own records of attendance. TRB will confirm an individual's registration at the request of the licensing agency. The Final Program will include a credit statement form for PDHs.

Exhibits

Marriott Exhibit Hall

Visit the exhibits to learn more about TRB and to view displays on recent research projects and products from TRB Sponsors and nonprofit transportation associations. The TRB displays feature information about affiliate services, publications, the TRB website, the Cooperative Research Programs, the Transportation Research Information Service (TRIS), and the Innovations Deserving Exploratory Analysis (IDEA) Programs. Hours are

- Monday, January 23, and Tuesday, January 24 9:00 a.m.–5:30 p.m.
- Wednesday, January 25 9:00 a.m.–3:00 p.m.

Employment Opportunities

Marriott, Taft

The Employment Opportunities room offers a venue for matching positions and candidates. Job seekers supply résumés, and employers post vacancies:

- Sunday, January 22 noon–7:30 p.m.
- Monday, January 23–Wednesday, January 25 7:30 a.m.–7:30 p.m.
- Thursday, January 26 7:30 a.m.–noon

Speaker Ready Rooms

Marriott, Thurgood Marshall
Shoreham, Presidential Board Room
Hilton, Concourse Office

Facilities will be available to review visual aids during the following times:

- Saturday, January 21 4:00 p.m.–9:30 p.m.
- Sunday, January 22–Wednesday, January 25 7:00 a.m.–9:30 p.m.
- Thursday, January 26 7:00 a.m.–10:30 a.m.

News Room

(Credentialed press only)
Marriott, Park Tower Room 8205; Shoreham, Committee;
Hilton, Conference Room

The News Room will be open:

- Sunday, January 22–Tuesday, January 24 7:30 a.m.–7:30 p.m.
- Wednesday, January 25 7:30 a.m.–6:00 p.m.
- Thursday, January 26 7:30 a.m.–11:00 a.m.

Cooperative Research Programs

NCHRP, Marriott, Lanai 144
TCRP, Hilton, Cabana 326

The National Cooperative Highway Research Program (NCHRP) and the Transit Cooperative Research Program (TCRP) will hold meetings during the Annual Meeting. Copies of the NCHRP Progress Report and TCRP Information will be available at the TRB Exhibit in the Marriott and on the Terrace Level at the Hilton. For more information on the Cooperative Research Programs, visit TRB.org/NCHRP.

Accessibility



TRB uses only facilities and vendors complying with the Americans with Disabilities Act. If you have a disability that requires special accommodation, please describe it on the Registration Form. The TRB website (TRB.org/Meeting) will have the Interactive Preliminary Program available in accessible HTML format. Sign language interpreters, auxiliary aids, materials in alternative formats, or special requirements for shuttle services are available if requested by November 30. Contact the TRB Meetings Department, 202-334-2382, or RGillum@NAS.edu.

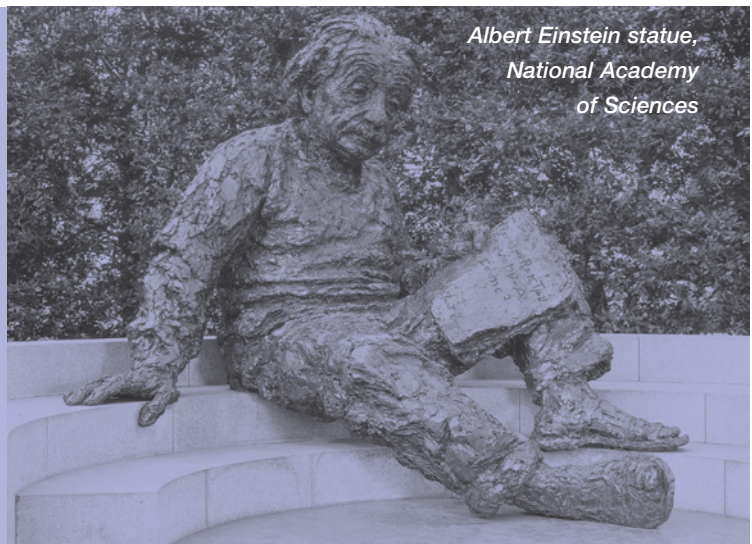
Day Care Services

For information on day care services, please contact the hotel concierge.

Spouse and Guest Hospitality

Marriott, Wardman Suite 6300

A hospitality suite for spouses and guests of Annual Meeting registrants provides an opportunity to learn more about TRB and Washington, D.C., and about local historic sites, cultural attractions, shopping, dining, and area transportation. The spouse and guest hospitality suite is open Monday, January 23, to Wednesday, January 25, 9:00 a.m.–11:00 a.m.



*Albert Einstein statue,
National Academy
of Sciences*

Workshops

Workshops are on Sunday, January 22, 2006. See pages 10–11 for details on additional fee workshops ().

Subject, Title	No.	Time	Hotel	Contact
Aviation				
Federal Aviation Administration Aviation Forecast Methodology	112	8:30 a.m.–noon	Shoreham	Christine Gerencher, 202-334-3206, CGerencher@NAS.edu
Value Engineering Best Practices	156	1:30 p.m.– 5:00 p.m.	Marriott	Christine Gerencher, 202-334-3206, CGerencher@NAS.edu
Large-Scale Models of the National Airspace System	160	1:30 p.m.– 5:00 p.m.	Shoreham	Christine Gerencher, 202-334-3206, CGerencher@NAS.edu
Bituminous Materials				
Practical Approaches to Design of Hot-Mix Asphalt	153	1:30 p.m.– 5:00 p.m.	Marriott	Frederick Hejl, 202-334-2952, FHejl@NAS.edu
Concrete Materials				
Environment-Friendly Concrete (EFC) in Transportation Infrastructure: A Major Contribution to Sustainable Development	150	1:30 p.m.– 5:00 p.m.	Marriott	Frederick Hejl, 202-334-2952, FHejl@NAS.edu
Construction				
Using Information Technologies to Support Construction Management II	109	8:30 a.m.–noon	Marriott	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Building a Green Highway: Environmental Stewardship Practices in Construction and Maintenance	115	8:30 a.m.–noon	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Code of Federal Regulations (CFR) 637: A 10-Year Perspective	148	1:30 p.m.– 5:00 p.m.	Marriott	Frederick Hejl, 202-334-2952, FHejl@NAS.edu
Quiet Concrete Pavements: Taking Knowledge to Solutions	154	1:30 p.m.– 5:00 p.m.	Marriott	Frederick Hejl, 202-334-2952, FHejl@NAS.edu
Value Engineering Best Practices	156	1:30 p.m.– 5:00 p.m.	Marriott	Christine Gerencher, 202-334-3206, CGerencher@NAS.edu
Data and Information Systems				
Using Information Technologies to Support Construction Management II	109	8:30 a.m.–noon	Marriott	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Data Stewardship: Meeting the Challenges of Enterprise Data Management	117	8:30 a.m.–noon	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Improving Reliability of Transportation Systems: From Concepts to Actions and the Role of Computation and Information	119	8:30 a.m.–noon	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Transferability of Household Travel Survey Data: Getting by Without a Travel Survey	123	8:30 a.m.–noon	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Large-Scale Models of the National Airspace System	160	1:30 p.m.– 5:00 p.m.	Shoreham	Christine Gerencher, 202-334-3206, CGerencher@NAS.edu
Artificial Intelligence and Active Road Pricing: Key Problem Areas and Solutions Using Advanced Computing Tools	162	1:30 p.m.– 5:00 p.m.	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Spatial Data Needs and Opportunities: Safety, Security, Planning and Operations, Environment, and Infrastructure Renewal	169	1:30 p.m.– 5:00 p.m.	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
The American Community Survey— Learn All About It!	170	1:30 p.m.– 5:00 p.m.	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Voice of the Customer	171	1:30 p.m.– 5:00 p.m.	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Design				
Context-Sensitive Design and Solutions: Self-Discovery Approaches and Successes	103	8:30 a.m.–noon	Marriott	Stephen Maher, 202-334-2955, SMaher@NAS.edu
Context-Sensitive Design and Liability: Reality or Myth?	149	1:30 p.m.– 5:00 p.m.	Marriott	Stephen Maher, 202-334-2955, SMaher@NAS.edu
Highways for LIFE	152	1:30 p.m.– 5:00 p.m.	Marriott	Martine Micozzi, 202-334-3177, MMicozzi@NAS.edu

Subject, Title	No.	Time	Hotel	Contact
Value Engineering Best Practices	156	1:30 p.m.– 5:00 p.m.	Marriott	Christine Gerencher, 202-334-3206, CGerencher@NAS.edu
Complete Streets: Balancing User Needs in Suburban Design	158	1:30 p.m.– 5:00 p.m.	Shoreham	Stephen Maher, 202-334-2955, SMaher@NAS.edu
Environment and Energy				
Building a Green Highway: Environmental Stewardship Practices in Construction and Maintenance	115	8:30 a.m.–noon	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Highways and Wildlife	133	8:30 a.m.– 5:00 p.m.	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Managing the National Environmental Policy Act Process for Complex Projects	135	8:30 a.m.– 5:00 p.m.	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Multimodal Approach to Address Freight Air Quality Issues	136	8:30 a.m.– 5:00 p.m.	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Cleaner Breezes from Sustainable Urban Transport in Latin America	163	1:30 p.m.– 5:00 p.m.	Hilton	Martine Micozzi, 202-334-3177, MMicozzi@NAS.edu
Rail Transportation Ground-Borne Noise and Vibration Prediction	167	1:30 p.m.– 5:00 p.m.	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Freight Systems				
Effective Integration of Freight Policy, Planning, and Programming Activities into Transportation Programs	118	8:30 a.m.–noon	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Multimodal Approach to Address Freight Air Quality Issues	136	8:30 a.m.– 5:00 p.m.	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Geology and Earth Materials				
Applications of Geophysics for Geotechnical Projects	100	8:30 a.m.–noon	Marriott	G. P. Jayaprakash, 202-334-2952, GJayaprakash@NAS.edu
Investigation of Enhanced Integrated Climatic Model Issues Related to Mechanistic–Empirical Design Guide	104	8:30 a.m.–noon	Marriott	G. P. Jayaprakash, 202-334-2952, GJayaprakash@NAS.edu
Ground-Penetrating Radar in Pavements and Utilities: Where We Are, Where We Are Going	151	1:30 p.m.– 5:00 p.m.	Marriott	G. P. Jayaprakash, 202-334-2952, GJayaprakash@NAS.edu
Use of Cone Penetration Test for Foundation Analysis and Design	155	1:30 p.m.– 5:00 p.m.	Marriott	G. P. Jayaprakash, 202-334-2952, GJayaprakash@NAS.edu
Legal Resources				
Being a Witness in a Crash Case: How to Do It	101	8:30 a.m.–noon	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Maintenance				
Bridge Preservation Best Practices	102	8:30 a.m.–noon	Marriott	Frank Lisle, 202-334-2950, FLisle@NAS.edu
Building a Green Highway: Environmental Stewardship Practices in Construction and Maintenance	115	8:30 a.m.–noon	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Management and Leadership				
Transportation Issues Facing State Department of Transportation Leaders	124	8:30 a.m.–noon	Hilton	Martine Micozzi, 202-334-3177, MMicozzi@NAS.edu
Highways for LIFE	152	1:30 p.m.– 5:00 p.m.	Marriott	Martine Micozzi, 202-334-3177, MMicozzi@NAS.edu
So You Want to Be a Transportation Professional?	172	4:00 p.m.– 5:45 p.m.	Marriott	Richard Cunard, 202-334-2965, RCunard@NAS.edu
Operations				
Doctoral Student Research in Transportation Operations and Traffic Control	111	8:30 a.m.–noon	Shoreham	Richard Cunard, 202-334-2965, RCunard@NAS.edu
New Directions in Traffic Signal Control	129	8:30 a.m.– 5:00 p.m.	Shoreham	Richard Cunard, 202-334-2965, RCunard@NAS.edu
Traffic Incident and Special Event Management	131	8:30 a.m.– 5:00 p.m.	Shoreham	Richard Cunard, 202-334-2965, RCunard@NAS.edu
New Frontiers in Visibility Technology 	142	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu

Subject, Title	No.	Time	Hotel	Contact
Workshop on Traffic Simulation Models	161	1:30 p.m.– 5:00 p.m.	Shoreham	Richard Cunard, 202-334-2965, RCunard@NAS.edu
Data Quality for Operations	165	1:30 p.m.– 5:00 p.m.	Hilton	Richard Cunard, 202-334-2965, RCunard@NAS.edu
Pavement Management				
Investigation of Enhanced Integrated Climatic Model Issues Related to Mechanistic–Empirical Design Guide	104	8:30 a.m.–noon	Marriott	G. P. Jayaprakash, 202-334-2952, GJayaprakash@NAS.edu
Long-Term Pavement Performance State Coordinators’ Meeting	107	8:30 a.m.–noon	Marriott	Frederick Hejl, 202-334-2952, FHejl@NAS.edu
Automated Survey of Pavement Distress	110	8:30 a.m.–noon	Shoreham	Stephen Maher, 202-334-2955, SMaher@NAS.edu
Validation of Pavement Response Models: Are Predicted Stresses and Strains Reasonably Correct?	114	8:30 a.m.–noon	Shoreham	Stephen Maher, 202-334-2955, SMaher@NAS.edu
Profile Viewing and Analysis (ProVAL)	130	8:30 a.m.– 5:00 p.m.	Shoreham	Stephen Maher, 202-334-2955, SMaher@NAS.edu
Ground-Penetrating Radar in Pavements and Utilities: Where We Are, Where We Are Going	151	1:30 p.m.– 5:00 p.m.	Marriott	G. P. Jayaprakash, 202-334-2952, GJayaprakash@NAS.edu
Pedestrians and Cycles				
Wayfinding: Research, Regulations, and Reality—Geometric Design to Optimize Usability for Pedestrians Who Are Blind or Have Low Vision <small>TICKET</small>	144	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Public Transportation				
Building Transit Ridership	116	8:30 a.m.–noon	Hilton	Peter Shaw, 202-334-2966, PShaw@NAS.edu
Rail Transit Project Design Decisions and Choices: Effects on Vehicle–Track Dynamic Interaction	121	8:30 a.m.–noon	Hilton	Elaine King, 202-334-3206, EKing@NAS.edu
Rail				
Rail Transit Project Design Decisions and Choices: Effects on Vehicle–Track Dynamic Interaction	121	8:30 a.m.–noon	Hilton	Elaine King, 202-334-3206, EKing@NAS.edu
Railway Track and Vehicle Performance Data for Design and Maintenance Planning	128	8:30 a.m.– 5:00 p.m.	Marriott	Elaine King, 202-334-3206, EKing@NAS.edu
Fatigue in Transportation: Issues and Countermeasures for the Operators of Trucks, Trains, and Automobiles <small>TICKET</small>	140	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Rail Transportation Ground-Borne Noise and Vibration Prediction	167	1:30 p.m.– 5:00 p.m.	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Research and Education				
Innovative Research from the Dwight David Eisenhower Transportation Fellowship Program	120	8:30 a.m.–noon	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Congestion Pricing from Soup to Nuts: Leveraging Federal Opportunities and Managing Expectations	132	8:30 a.m.– 5:00 p.m.	Hilton	Martine Micozzi, 202-334-3177, MMicozzi@NAS.edu
Presentations That Won’t Leave Your Audience in the Dark!	147	1:30 p.m.– 2:30 p.m.	Marriott	Mark Norman, 202-334-2941, MNorman@NAS.edu
So You Want to Be a Transportation Professional?	172	4:00 p.m.– 5:45 p.m.	Marriott	Richard Cunard, 202-334-2965, RCunard@NAS.edu
Safety				
Being a Witness in a Crash Case: How to Do It	101	8:30 a.m.–noon	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Local Road Safety	106	8:30 a.m.–noon	Marriott	G. P. Jayaprakash, 202-334-2952, GJayaprakash@NAS.edu
Federal Motor Carrier Safety Administration Safety and Security Accomplishments	125	8:30 a.m.–12:30 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu

Subject, Title	No.	Time	Hotel	Contact
Cause, Effect, and Intervention: Present and Future Directions in Road Safety Research	126	8:30 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Medical Disorders and Vehicle Operator Performance Workshop	127	8:30 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Traffic Incident and Special Event Management	131	8:30 a.m.– 5:00 p.m.	Shoreham	Richard Cunard, 202-334-2965, RCunard@NAS.edu
Applied Human Factors Principles in Emerging Methods for Safety <small>TICKET</small>	137	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Community Mobility and Supportive Transportation: Special Considerations for Dementia and Other Functional Impairments Among Older Drivers <small>TICKET</small>	138	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Danger: People Working – Multimodal Lessons on Improving Safety Through Work Process Observations and Process Improvement Methods <small>TICKET</small>	139	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Fatigue in Transportation: Issues and Countermeasures for the Operators of Trucks, Trains, and Automobiles <small>TICKET</small>	140	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
How Do I Prove My Program Works? Understanding the Science of Evaluating Older Driver and Mobility Programs <small>TICKET</small>	141	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
New Frontiers in Visibility Technology <small>TICKET</small>	142	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Standardized Driving Simulator Performance Measures <small>TICKET</small>	143	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Wayfinding: Research, Regulations, and Reality—Geometric Design to Optimize Usability for Pedestrians Who Are Blind or Have Low Vision <small>TICKET</small>	144	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Why Crashes Happen: Factors Associated with Crash Causation—Human Factors Insights from In-Depth Investigations <small>TICKET</small>	145	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Road Safety in Developing Countries	168	1:30 p.m.– 5:00 p.m.	Hilton	Martine Micozzi, 202-334-3177, MMicozzi@NAS.edu
Security				
Bridge and Tunnel Security Update	157	1:30 p.m.– 5:00 p.m.	Shoreham	Joedy Cambridge, 202-334-2167, JCambridge@NAS.edu
Homeland Security Preparedness Training for State, Local, and Tribal Highway Agency Personnel	159	1:30 p.m.– 5:00 p.m.	Shoreham	Joedy Cambridge, 202-334-2167, JCambridge@NAS.edu
Soil Mechanics				
Applications of Geophysics for Geotechnical Projects	100	8:30 a.m.–noon	Marriott	G. P. Jayaprakash, 202-334-2952, GJayaprakash@NAS.edu
Use of Cone Penetration Test for Foundation Analysis and Design	155	1:30 p.m.– 5:00 p.m.	Marriott	G. P. Jayaprakash, 202-334-2952, GJayaprakash@NAS.edu
Structures				
Bridge Preservation Best Practices	102	8:30 a.m.–noon	Marriott	Frank Lisle, 202-334-2950, FLisle@NAS.edu
Load and Resistance Factor Design Concrete Substructure	105	8:30 a.m.–noon	Marriott	Stephen Maher, 202-334-2955, SMaher@NAS.edu
Nondestructive Evaluation and Condition Assessment of Cables, Posttensioning and Prestressing in Bridges	108	8:30 a.m.–noon	Marriott	Stephen Maher, 202-334-2955, SMaher@NAS.edu
Fracture-Critical Steel Bridges: State-of-the-Art Practice and Future Trends	113	8:30 a.m.–noon	Shoreham	Stephen Maher, 202-334-2955, SMaher@NAS.edu

Subject, Title	No.	Time	Hotel	Contact
Design and Construction of Fiber-Reinforced Polymer Composites Applications	146	1:00 p.m.– 5:00 p.m.	Marriott	Stephen Maher, 202-334-2955, SMaher@NAS.edu
Bridge and Tunnel Security Update	157	1:30 p.m.– 5:00 p.m.	Shoreham	Joedy Cambridge, 202-334-2167, JCambridge@NAS.edu
Systems Planning, Policy, and Process				
Effective Integration of Freight Policy, Planning, and Programming Activities into Transportation Programs	118	8:30 a.m.–noon	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Techniques to Ensure Committees, Task Forces, and Work Groups Are Effective	122	8:30 a.m.–noon	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Community Mobility and Supportive Transportation: Special Considerations for Dementia and Other Functional Impairments Among Older Drivers <small>TICKET</small>	138	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Workshop on Traffic Simulation Models	161	1:30 p.m.– 5:00 p.m.	Shoreham	Richard Cunard, 202-334-2965, RCunard@NAS.edu
Taxation and Finance				
Innovations in Project Delivery and Financing for Surface Transportation Infrastructure	134	8:30 a.m.– 5:00 p.m.	Hilton	Martine Micozzi, 202-334-3177, MMicozzi@NAS.edu
Transportation Policy				
Congestion Pricing from Soup to Nuts: Leveraging Federal Opportunities and Managing Expectations	132	8:30 a.m.– 5:00 p.m.	Hilton	Martine Micozzi, 202-334-3177, MMicozzi@NAS.edu
Artificial Intelligence and Active Road Pricing: Key Problem Areas and Solutions Using Advanced Computing Tools	162	1:30 p.m.– 5:00 p.m.	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Travel Analysis Methods				
Federal Aviation Administration Aviation Forecast Methodology	112	8:30 a.m.–noon	Shoreham	Christine Gerencher, 202-334-3206, CGerencher@NAS.edu
Transferability of Household Travel Survey Data: Getting by Without a Travel Survey	123	8:30 a.m.–noon	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Coast-to-Coast Tutorial on Activity Models	164	1:30 p.m.– 5:00 p.m.	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
Doctoral Student Research in Transportation Modeling	166	1:30 p.m.– 5:00 p.m.	Hilton	Kimberly Fisher, 202-334-2968, KFisher@NAS.edu
The American Community Survey— Learn All About It!	170	1:30 p.m.– 5:00 p.m.	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu
Trucking				
Federal Motor Carrier Safety Administration Safety and Security Accomplishments	125	8:30 a.m.–12:30 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Fatigue in Transportation: Issues and Countermeasures for the Operators of Trucks, Trains, and Automobiles <small>TICKET</small>	140	9:00 a.m.– 5:00 p.m.	Marriott	Richard Pain, 202-334-2964, RPain@NAS.edu
Users				
Voice of the Customer	171	1:30 p.m.– 5:00 p.m.	Hilton	Thomas Palmerlee, 202-334-2907, TPalmerlee@NAS.edu

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Human Factors in Transportation

Sunday, January 22 • 9:00 a.m.–5:00 p.m. • Marriott

Advance registration and fee required **TICKET**

This program of participatory workshops covers topics chosen for timely insights into current practice and ongoing research. Users of research and information on human factors; researchers studying human factors in vehicle design, vehicle operation, and system safety; and practitioners involved in the design and operation of transportation systems should attend. The fee includes lunch and a reception. Thomas Dingus, Director of the Virginia Tech Transportation Institute, Blacksburg, will present the luncheon address, “Creating Safety for the Humans in Transportation Systems.”

The Human Factors Workshops are sponsored by the following committees: Safe Mobility of Older Persons; Operator Vehicle Characteristics; User Information Systems; Simulation and Measurement of Operator and Vehicle Performance; Visibility; Pedestrians; and Railroad Operational Safety.

Workshop sessions run concurrently—use the Registration Form to select one of the following nine sessions. Tickets received on site will indicate the room locations.

137 Applied Human Factors Principles in Emerging Methods for Safety \$170 **TICKET**
Limit 25
Alison Smiley, Human Factors North, Inc.,
Canada
Geni B. Bahar, iTRANS Consulting,
Canada, presiding

The session will consider new approaches to integrating human factors and explicit safety, with emphasis on design based on standards from empirical human factors studies; the diagnosis of crash causes through human factors approaches and crash investigations; and the identification and selection of cost-effective safety measures. These approaches will provide roadway designers with a better understanding of the road user's needs and limitations. Through the explicit consideration of safety, planners and designers will quantify the impact of planning and design decisions in terms of safety, making better decisions than they would by assuming that safety is implicit in policies and guidelines.

138 Community Mobility and Supportive Transportation: Special Considerations for Dementia and Other Functional Impairments Among Older Drivers \$170 **TICKET**
Limit 25
Nina M. Silverstein, University of Massachusetts
Lisa Peters-Beumer, Easter Seals, presiding

Community mobility for older adults involves balancing two major, often competing, outcomes—public safety and autonomy. A new paradigm should include senior- and dementia-friendly criteria for meeting the transportation needs of an aging society. This workshop will focus on several issues: assessing visual, cognitive, and motor function, plus the tools for testing the driving skills of persons with dementia and other functional impairments; ethical and legal reporting; defining “supportive transportation”—why it is needed, and who is doing it; counseling on driving cessation and referrals to supportive transportation options; enhancing systems by including elements of supportive transportation; and making recommendations to transportation providers about meeting the needs of older adults with dementia and other functional impairments.

139 Danger: People Working—Multimodal Lessons on Improving Safety Through Work Process Observations and Process Improvement Methods \$170 **TICKET**
Limit 25
Joyce Ranney, Volpe National Transportation
Systems Center
Mark K. Ricci, Brotherhood of Locomotive
Engineers, presiding

Human factors research in safety traditionally has focused on individual and work-site factors that contribute to human error. Recent research has expanded to include organizational factors, through work process observations—also known as behavior-based safety—and process improvement. Work process methods foster safe practices through observation and feedback. Process improvement methods develop a systems view of root causes and help ensure follow-through on corrective actions. This workshop will explore ways to combine the two methods to improve safety levels and culture. Case studies from three transportation modes will offer objective results and lessons learned. The presenters will report on documented objective measures of effectiveness and the implementation of best practices.

140 Fatigue in Transportation: Issues and Countermeasures for the Operators of Trucks, Trains, and Automobiles \$170 **TICKET**
Limit 25
Richard Hanowski, Virginia Tech
Transportation Institute
Stephen Popkin, U.S. Department of
Transportation, presiding

In all modes of transportation, operator fatigue poses serious safety concerns that have garnered political and public attention, as well as publicly funded research. Yet the scope of the problem is still unclear. For example, epidemiological studies with light vehicles indicate that fatigue is a contributing factor in 2 to 4 percent of crashes; naturalistic studies, however, indicate that 12 percent of all crashes are fatigue-related. In the commercial vehicle domain, this portion may be more than 20 percent, and may be higher for certain types of

crashes, such as fatal single-vehicle roadway departures. Rail industry research is not yet able to estimate this percentage reliably, because of constraints in the data surveillance systems, but researchers believe that fatigue is a much greater factor in rail incidents than is reported. Workshop participants will explore the role of fatigue in operator safety for heavy trucks, rail, and passenger vehicles. Discussions will cover the implications of recent operator fatigue research and the effectiveness of mitigating approaches. Minitutorials will be presented on fatigue countermeasures. The workshop will identify research needs and opportunities.

- 141 How Do I Prove My Program Works? Understanding the Science of Evaluating Older Driver and Mobility Programs** \$170 **TICKET** Limit 25
Beth Stalvey, Texas Department on Aging, presiding

A variety of efforts have promoted safe driving practices and have reduced crash risk among older adults. Older driver and mobility initiatives have ranged from self-assessment tools, public information and social marketing, behavior modification, and treatment interventions, to alternative transportation service models. With an increased focus on implementing evidence-based practices, the science of identifying best practices should be applied more uniformly and more widely. This workshop will focus on the scientific methodology for evaluating driver and mobility programs; the design, analysis, and interpretation of findings from program implementation to safety outcomes; and recommendations for implementing evidence-based safety and mobility programs in local communities.

- 142 New Frontiers in Visibility Technology** \$170 **TICKET** Limit 25
Thomas Schnell, University of Iowa, presiding

This session will explore recent developments in signing, markings, lighting, and vision enhancing systems for drivers. The application, costs, and benefits of these developments will be discussed. Their value in terms of human factors, safety, traffic operations, maintenance, and ease of application will be examined. The situational characteristics pointing to successful application of the various systems will be noted. Participants will share experiences with these systems and will discuss implementation issues.

- 143 Standardized Driving Simulator Performance Measures** \$170 **TICKET** Limit 25
Yiannis Papelis, University of Iowa
Ginger S. Watson, University of Iowa
R. Wade Allen, Systems Technology Inc., presiding

With the rapid increase in the use of simulators for transportation research, as well as of simulation technology for training, assessment, and driver advisement, the standardization of measures has become important. This workshop will focus on simulation scenarios from the standpoint of the intended performance measures. The workshop will categorize performance measures in groups according to the fundamental attributes to be evaluated and then will define the

measurement techniques for each group. Measurement techniques can be linked eventually to actions involved in driving. These actions can lead to situations that can be converted into driving simulation scenarios, with device-specific tools. A related topic is how simulator fidelity can affect measurement, which, if quantified, can lead to useful comparisons between scenarios on different devices.

- 144 Wayfinding: Research, Regulations, and Reality—Geometric Design to Optimize Usability for Pedestrians Who Are Blind or Have Low Vision** \$170 **TICKET** Limit 25
Lois E. L. Thibault, U.S. Access Board, presiding

Researchers and practitioners are turning attention to the effects of geometric design on wayfinding among pedestrians who have vision loss. Key issues include sidewalk design and location criteria, curb ramp directionality, crossing location, directional cuing within the crossing, and information about interruptions in the travel route. This session will present orientation and mobility techniques, plus findings from current research, and will review the recommendations from an Institute of Transportation Engineers 2004 workshop on wayfinding—a series of standard intersection design templates based on the curb radius for attached and separated walkways at both signalized and unsignalized crossings. An on-the-street exercise is scheduled for the afternoon.

- 145 Why Crashes Happen: Factors Associated with Crash Causation—Human Factors Insights from In-Depth Investigations** \$170 **TICKET** Limit 25
Seymour D. Stern, National Highway Traffic Safety Administration
David Shinar, Ben Gurion University, Israel, presiding

The first major U.S. study of the causes of crashes was conducted by Indiana University in the 1970s. What impact did it have on understanding crash causation, on highway safety, and on follow-up research? How did the Large Truck Crash Causation Study evolve from this and how did this develop into the National Motor Vehicle Crash Causation Survey? What types of data are collected—what type of human factors data are available? What types of data should be collected? What questions need to be answered about the involvement of human factors in precipitating crashes, and what data can be collected about human factors from in-depth investigations? What are some challenges of after-the-fact investigations? Suggestions for additional data needs, data collection, and possible data analyses will be discussed.

Plan to Attend Future TRB Annual Meetings

86th Annual Meeting, January 21–25, 2007
87th Annual Meeting, January 13–17, 2008

Hotel Accommodations

Hotel rooms sell out quickly. Make reservations with the hotel of your choice by Internet or telephone; or complete the Hotel Reservation Form on page 13 and fax or mail it to the hotel.

Marriott Wardman Park Hotel

2660 Woodley Road, NW, Washington, DC 20008
Reservations 202-328-2900, fax 202-387-5397
MarriottHotels.com/WASDT
Group code: trbtrba
 Guest phone 202-328-2000; guest fax 202-234-0015

Note: Construction will be in progress at the Marriott during the Annual Meeting.

Omni Shoreham Hotel

2500 Calvert Street, NW, Washington, DC 20008
Reservations 202-234-0700, 1-800-THE-OMNI,
fax 202-756-5145
Link from TRB.org/Meeting
 Guest phone 202-234-0700; guest fax 202-265-7972

Hilton Washington Hotel

1919 Connecticut Avenue, NW, Washington, DC 20009
Reservations: 202-797-5820, 1-888-DC-HILTON,
fax 202-797-5755
www.Washington.Hilton.com
Group code: TRB
 Guest phone 202-483-3000; guest fax 202-232-0438

Make reservations as early as possible at the Connecticut Avenue Collection hotels, which frequently have all rooms booked by October for the TRB Annual Meeting. If all rooms are booked, ask the hotel reservationist to place your reservation on a wait list; reservationists also will provide information about overflow accommodations. (Look for the list of overflow hotels on the website, TRB.org/Meeting, when the three hotels have sold out.)

Reservations are processed in the order received. The TRB Annual Meeting group rate is \$173 single and \$193 double until December 26. Each additional person in a room (after the first two) is \$25; children under 18 stay free. Rates do not include the current 14.5% Washington, D.C., hotel tax. The hotels may not be able to provide rooms at the group rate after December 26.

Reservations must be guaranteed for arrival with a first night deposit, charged to your credit card when the hotel reservation is made. The group rate also is offered for extended stays based on availability. Check-in time is 3:00 p.m.; check-out time is noon.

Cancellations

Don't be a "no show." If a reservation is canceled in time, another registrant can use your hotel room. Deposits on guaranteed reservations canceled 72 hours before arrival are fully refundable. When canceling a reservation by telephone, record the date, the cancellation number, and the name of the person accepting the cancellation. TRB staff cannot make, change, or cancel reservations but will be available to assist after the meeting if you encounter difficulty receiving a refund and if records of the cancellation information are available.

Transportation to Hotels

Ronald Reagan National Airport (DCA)	8 miles (13 km)/20 min* away; Metro (subway) is accessible, airport shuttle is \$12, and a taxi is approximately \$18 one way.
Dulles International Airport (IAD)	30 miles (48 km)/50 min* away; airport shuttle is \$25, and a taxi is approximately \$50 one way.
Baltimore-Washington International Airport (BWI)	45 miles (72 km)/1.25 hr* away; airport shuttle is \$30, and a taxi is approximately \$65 one way. MARC from BWI to Union Station (40 min) is \$6 one way; Metrobus B30 is \$2 one way to Greenbelt Metro station.
Union Station	25 min* by Metro or taxi.

* Add at least 20 min to taxi and airport shuttle trip times during peak hours. Taxis have higher peak-hour fares.

Hotel Parking

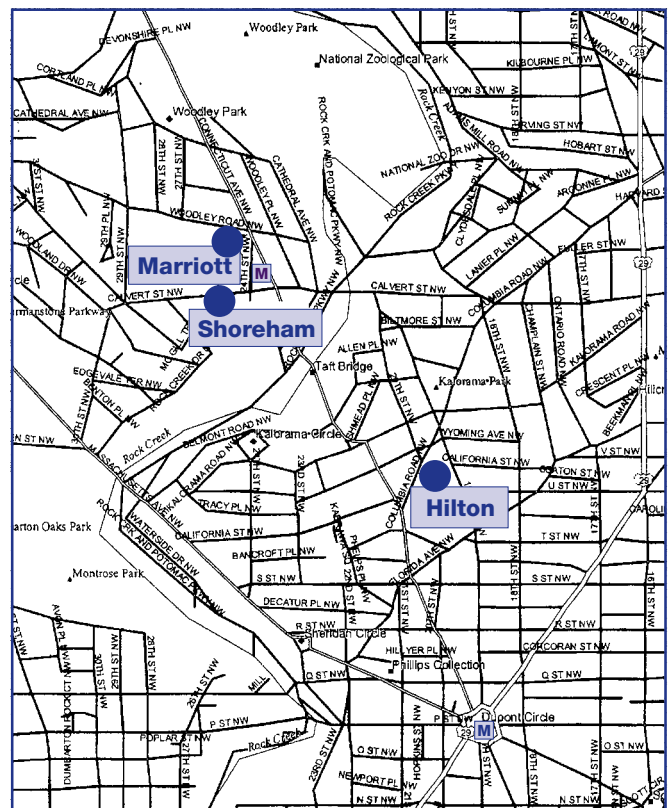
Parking is available at the Connecticut Avenue Collection hotels at the following self-park, per-day current rates:

- Marriott Wardman Park \$23.00
- Omni Shoreham \$22.00
- Hilton Washington \$21.00

TRB Shuttle



Complimentary shuttle service operates approximately every 20 minutes between the Marriott, Shoreham, and Hilton hotels for Annual Meeting registrants. Shuttles are wheelchair accessible.



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Hotel Reservation Form

TRANSPORTATION RESEARCH BOARD

85th Annual Meeting

Sunday, January 22–Thursday, January 26, 2006

**Receipt Deadline:
December 26**

Space is limited, and reservations are processed in the order received.
Mail confirmation to (please type or print):

Name _____
Last/Family *First & Middle Initial*

Organization _____

Address _____

City _____ State/Province _____ Zip/Postal Code _____

Telephone () _____ Fax () _____ Country _____

E-mail _____

ARRIVAL: Day _____, January _____, 2006 Time _____ : _____ a.m. p.m.

DEPARTURE: Day _____, January _____, 2006 Time _____ : _____ a.m. p.m.

ROOM TYPE: \$173 Single Occupancy*
 \$193 Double Occupancy*, sharing with _____

Call hotel to receive Towers and/or suite information
*plus 14.5% D.C. hotel tax. Additional persons (after two) are \$25 each.

SPECIAL REQUESTS (bed size, no smoking, accessibility needs, etc.): _____

REQUIRED DEPOSIT (taxes included):

Deposit per room required (\$198 single, \$221 double) x number of rooms _____ = \$ _____

Enclosed first night deposit payable to the hotel by:

CHECK or VISA MASTERCARD AMERICAN EXPRESS DINERS CLUB DISCOVER

Card # _____ Expiration ____ / ____ Signature _____

The deposit will be charged to your credit card when hotel reservation is made. Check-in time is 3:00 p.m.; check-out time is noon. If your plans to attend the Annual Meeting change, please remember to cancel your meeting registration and hotel reservation. Deposits on guaranteed reservations canceled 72 hours before arrival are fully refundable. Deposit will be forfeited if you are a "no show" or if cancellation notice is not received more than 72 hours before arrival date.

Complete all information and telephone or fax to your preferred hotel by December 26, 2005:

Marriott Wardman Park Hotel
2660 Woodley Road, NW
Washington, DC 20008
202-328-2900
Reservations Fax 202-387-5397
MarriottHotels.com/WASDT
Group code: trbrba

Omni Shoreham Hotel
2500 Calvert Street, NW
Washington, DC 20008
202-234-0700, 1-800-THE-OMNI
Reservations Fax 202-756-5145
Link from TRB.org/Meeting

Hilton Washington Hotel
1919 Connecticut Avenue, NW
Washington, DC 20009
202-797-5820, 1-888-DC-HILTON
Reservations Fax 202-797-5755
www.Washington.Hilton.com
Group code: TRB

Registration Form

Transportation Research Board

Reduced Fee Deadline: November 30

85th Annual Meeting • January 22–26, 2006

Please print. Duplicate form for additional registrants. Confirmation will be sent within two weeks—if not received, call 301-694-5243.

First Name

Last / Family Name

Title

Nickname for Badge

Telephone

Fax

Organization

Address

City

State/Province

Zip/Postal Code

Country

e-mail

Mentee First Name

Mentee Last / Family Name


Mentee Nickname

Mentee e-mail

I. Registration Fees (must select one)	Advance— by November 30	After November 30 and On Site
<input type="checkbox"/> A. TRB Individual Affiliate Member	\$280	\$465
<input type="checkbox"/> B. Non-Member ¹	\$435	\$665
One Day Registration (select one)	\$225	\$365
<input type="checkbox"/> C1. Sun <input type="checkbox"/> C2. Mon <input type="checkbox"/> C3. Tue <input type="checkbox"/> C4. Wed		
<input type="checkbox"/> D1. TRB Executive Committee	No Fee	No Fee
<input type="checkbox"/> D2. Emeritus Member		
<input type="checkbox"/> D3. Chair: TRB Council, Group, Section, Committee, or Task Force		
<input type="checkbox"/> D4. Chair: NCHRP/TCRP Panel		
<input type="checkbox"/> E. Member: TRB Council, Group, Section, Committee, Task Force, or NCHRP/TCRP Panel	\$215	\$335
<input type="checkbox"/> F. Program Participant	\$215	\$335
<input type="checkbox"/> G. TRB-Appointed University/Transit Representative ²	No Fee	No Fee
<input type="checkbox"/> H. Employee of Sustaining/Organizational Affiliate ²	No Fee	No Fee
<input type="checkbox"/> I. Employee of TRB Sponsor (see page 1)	No Fee	No Fee
<input type="checkbox"/> J. TRB Student Affiliate Member	\$30	\$40
<input type="checkbox"/> K. Student (full time) ¹	\$100	\$110
<input type="checkbox"/> L. Mentee (under 30 years old) ³	\$215	\$335

¹ Become a TRB affiliate (select M1 or M2 below by November 30 and pay the reduced registration fee).
² Must receive special notice from TRB to qualify.
³ Must be from the same organization as and register with A–H registrant to qualify.



II. Affiliate Membership/Optional Fees		
<input type="checkbox"/> M1. Individual Affiliate	\$87	\$ _____
<input type="checkbox"/> M2. Student Affiliate	\$57	\$ _____
<input type="checkbox"/> M3. Chairman's Luncheon Quantity _____ x	\$55	\$ _____
<input type="checkbox"/> M4. Annual Meeting CDROM (additional) Quantity _____ x	\$70	\$ _____
Human Factors Workshops (select one)		
<input type="checkbox"/> 137 <input type="checkbox"/> 140 <input type="checkbox"/> 143		
<input type="checkbox"/> 138 <input type="checkbox"/> 141 <input type="checkbox"/> 144		
<input type="checkbox"/> 139 <input type="checkbox"/> 142 <input type="checkbox"/> 145	\$170	\$ _____
<input type="checkbox"/> New and Young Attendees (< age 30) Welcome Session, Sunday, 2:30 p.m.	No Fee	
Subtotal		\$ _____

 If you have a disability that requires special accommodation, please describe: _____

III. Organizational Type (check only one)	
U.S. Registrants:	
<input type="checkbox"/> 1. U.S. DOT	
<input type="checkbox"/> 2. Other Federal Agency	
<input type="checkbox"/> 3. State Transportation Department	
<input type="checkbox"/> 4. Other State Agency	
<input type="checkbox"/> 5. Local or Regional Government Agency (city or county)	
<input type="checkbox"/> 6. University/University-Based Research	
<input type="checkbox"/> 7. Student	
<input type="checkbox"/> 8. Consultant	
<input type="checkbox"/> 9. Industry/Commercial	
<input type="checkbox"/> 10. Association/Non-Profit	
<input type="checkbox"/> 11. Other (specify) _____	
International Registrants:	
<input type="checkbox"/> 12. Government	
<input type="checkbox"/> 13. Nongovernment	

IV. Optional Information (check all that apply)	
<input type="checkbox"/> 1. Male	<input type="checkbox"/> 2. Female
<input type="checkbox"/> 3. New Attendee	<input type="checkbox"/> 4. Minority

V. Payment (transfer from I and II)	
TRB 85 th Annual Meeting Registration Fee (from I)	\$ _____
Optional Fees Total (from II)	\$ _____
Total Payment	\$ _____
<input type="checkbox"/> Check or money order (payable to TRB in U.S. funds drawn on U.S. bank)	
<input type="checkbox"/> MASTERCARD <input type="checkbox"/> VISA <input type="checkbox"/> AMERICAN EXPRESS	
_____ Card #	_____ Expiration Date
_____ Signature	

Register By November 30, 2005	
 Internet or Fax – credit card only, TRB.org/Meeting or fax to 301-694-5124.	
 Mail – check or credit card information to TRB, P.O. Box #590, Frederick, MD 21705.	
 Questions? Telephone (9:00 a.m.-5:00 p.m. EST) 301-694-5243.	

Schedule at a Glance

TRANSPORTATION RESEARCH BOARD

85th Annual Meeting

	Sunday January 22	Monday January 23	Tuesday January 24	Wednesday January 25	Thursday January 26	
8 a.m.		COMMITTEES	COMMITTEES	COMMITTEES	COMMITTEES	
9 a.m.	Registration and Workshops	Sessions	Sessions	Sessions	Sessions	
10 a.m.						
11 a.m.		COMMITTEES	POSTERS	COMMITTEES	COMMITTEES	Sessions
Noon			EXHIBITS		EXHIBITS	
1 p.m.				Chairman's Luncheon		
2 p.m.	Presentation Training	COMMITTEES	COMMITTEES			
3 p.m.	New & Young Attendees Welcome Session	Sessions	Sessions	COMMITTEES		
4 p.m.		COMMITTEES	POSTERS	COMMITTEES	POSTERS	
5 p.m.		COMMITTEES	COMMITTEES	Sessions		
6 p.m.						
7 p.m.						
8 p.m.		COMMITTEES	COMMITTEES	COMMITTEES		
9 p.m.		Sessions	Sessions	Sessions		