The 2009 Transportation Research Board Annual Meeting turned the spotlight on the challenges and issues surrounding transportation, energy, and climate change, January 11–15, 2009, in Washington, D.C. Despite the economic downturn, nearly 10,000 transportation researchers, practitioners, policy makers, and administrators converged for the meeting, which offered approximately 3,000 presentations at 90 workshops and 600 sessions—including lectern and meet-the-author poster sessions—plus 450 committee meetings, special events, awards presentations, and more. The theme of transportation, energy, and climate change was covered in 60 sessions and workshops.

As always, the meeting was a prime occasion for transportation professionals from the United States and abroad to network and share knowledge with their peers across all modes and disciplines. More than 1,800 papers were included in the 2009 Annual Meeting Compendium of Papers, and 60 sessions were recorded and posted online as e-sessions at www.TRB.org.

This year’s Welcome Session, an event for meeting newcomers, attracted more than 400 first-time attendees. Committee chairs made informal presentations on their areas and recruited more than 200 volunteers to serve on TRB standing committees.

Geraldine Knatz of the Port of Los Angeles delivered the 2009 Thomas B. Deen Distinguished Lecture, and General Motors research executive Lawrence D. Burns spoke at the Chairman’s Luncheon, which included major award presentations. This year’s meeting also featured a special briefing by members of the Obama Administration’s transition team for transportation to the TRB Executive Committee.

Details and highlights appear on the following pages.
INTERSECTIONS

1. Audience members listen to panelists discuss the Moving Cooler study, which assessed the cost-effectiveness of measures to reduce greenhouse gas emissions, at one of 60 spotlight sessions on energy and climate change.

2. Northwestern University students (left to right) Omer Verbas, Jean Goilav, Hermann Orth, and Alexis Roque plan out their meeting agenda with the 300-page Annual Meeting program.

3. At the welcome session, young and first-time attendees gained an overview of TRB, tips on navigating the Annual Meeting, career development information, and more.

4. TRB Technical Activities Council is the hub of Annual Meeting planning.

5. International Road Federation fellows are introduced at the International Participants’ Reception.

6. Guy Bourgeois, head of the European Conference of Transport Research Institutes, which has a collaborative agreement with TRB, acknowledges applause at the International Participants’ Reception.

7. Robert Accetta and Mark Bagnard of the National Transportation Safety Board (NTSB) prepare for a presentation at a session on emerging highway safety issues.

8. The well-attended exhibit hall showcased a variety of transportation-related products and services, as well as displays by TRB sponsors.

(TRB Technical Activities Council front row, left to right:) Cynthia J. Burbank; Katherine F. Turnbull; Karla H. Karash; Mark R. Norman; Leanna Depue; Jeannie G. Beckett; Edward V. A. Kussy; Robert M. Dorer; James M. Crites; Robert C. Johns; Daniel S. Turner; Mary Lou Ralls; Paul H. Bingham.
TRB 2009 ANNUAL MEETING HIGHLIGHTS

SPOTLIGHT SESSIONS

1. Steven Davis-Mendelow, Bombardier Aerospace, speaks at Climate 101: Basics of Climate Change.


3. Nancy Young, Air Transport Association of America, addresses Reducing Your Aviation Carbon Footprint.

4. Robyn V. McGregor, EBA Engineering Consultants, Ltd., discusses winter road management in Adapting Transportation Infrastructure to Accommodate Climate Change.

5. Panelists for Climate Change Law 101 were Kyle Danish, Van Ness Feldman (left); David H. McCray, California Department of Transportation (DOT); and Janet L. Myers, Federal Highway Administration (FHWA).

6. Gordana Petkovic, Norwegian Public Roads Administration (left), chats with session moderator Deborah Goodings, University of Maryland, at Geotechnical Engineering Strategies to Meet Effects of Climate Change on Transportation Infrastructure.


9. Laurie Cullen, HNTB Corporation, speaks at Roles and Responsibilities of Government Entities on Climate Change Regulations in Aviation.

10. Jeff Houk, FHWA (left), and Douglas S. Eisinger, Sonoma Technology Inc., guide discussion at Incorporating Greenhouse Gas Considerations into Transportation Project and Metropolitan Planning Requirements.

11. David Diamond, LMI, asks a question at Moving Cooler, a session on strategies to reduce greenhouse gas emissions.
SESSIONS AND WORKSHOPS


2. Richard Marrotoli, VA Connecticut Healthcare System (left), and Shelley Bhattacharya, University of Kansas, listen to presentations at Medications and Medical Review.

3. Gabriel Rousseau, FHWA, reviews the Nonmotorized Transportation Pilot Program and How It Works.


5. Ron Duych, Research and Innovative Technology Administration (left), discusses issues with presenter Doug MacIvor, California DOT, at Freight Data Research in 2008 and Priorities for the Future.

6. John Francis Munro, FHWA, speaks at the International Research Collaboration session.

7. Mary Lou Ralls, Ralls Newman, LLC (left), and Bituminous Materials Section Chair Bob McGennis, Holly Asphalt Center (right), present Mariely Mejias and Haley Bell, both of the U.S. Army Corps of Engineers, with the section's award for best poster.

8. Robert Accetta, NTSB, delivers a presentation on a motor coach override during the Emerging Highway Transportation Issues session.


10. A poster session on the Second Strategic Highway Research Program (SHRP 2) allowed participants to network and exchange ideas.
Attendees examine a poster detailing the status of projects in the SHRP 2 Capacity Research Focus Area.

Charles R. Everett, TranSystems Corporation, makes a presentation during a session on the possibilities of airline deregulation.

Rebecca M. Brewster, American Transportation Research Institute, moderates discussion during Truck Drivers, Congestion, and Carbon Footprints.

Turen Al-Ahad Ehram, University of Central Florida, asks a question during Traffic: Why We Drive the Way We Do (And What It Says About Us): A Conversation with Tom Vanderbilt. Author Vanderbilt responds with insights from his book.

Richard de Neufville, Massachusetts Institute of Technology (center), receives the Aviation Group’s Francis X. McKelvey Award from Greg Casto, Airport and Aviation Professionals, Inc. (left), and Group Chair James M. Crites, Dallas–Fort Worth International Airport, during the Aviation Forum.

Allison C. de Cereño, New York University, moderates a session on financing passenger rail.

Doug Meegan, Applied Research Associates (left), reviews findings on Smart Sensors for Autonomous Noise Monitoring with Xion Yu, Case Western Reserve University, during a poster session of TRB’s Innovations Deserving Exploratory Analysis (IDEA) Program.
SESSİONS AND WORKSHOPS
(continued)

1. Peter M. Bartek, ProTran1 LLC, demonstrates an approaching-train warning device at the Transit IDEA Program poster session.

2. TRB Executive Director Robert E. Skinner, Jr. (left), and Planning and Environment Group Chair Katherine F. Turnbull, Texas Transportation Institute, present Melissa Miller, Whatcom Council of Governments (right), with a communications award for Transportation Town: A Regional Transportation Website.

3. Terry Shelton, Federal Motor Carrier Safety Administration (FMCSA), reviews FMCSA’s analysis, research, and technology.


7. Jeongho Oh, Texas Transportation Institute (left), discusses a poster at Research Program and Project Evaluations: International Perspective.


10. Panelists at a session on biofuels included (left to right) Jesse Fleming, Natural Resources Canada; Audrey Lee, U.S. Department of Energy; and Ian Hodgson, European Commission, Belgium.
COMMITTEE MEETINGS

1. Technical Activities Council (TAC) Chair Robert C. Johns, University of Minnesota, and Mark R. Norman, TRB Director of Technical Activities, guide the TAC meeting.

2. Members of the Special Task Force on Climate Change and Energy are briefed on research programs addressing climate change.

3. Design and Construction Group Chair Mary Lou Ralls reviews National Cooperative Highway Research Program projects during a meeting of the Structures Section.

4. Anthony Perl (striped shirt, center), Simon Fraser University, chairs a meeting of the Intercity Passenger Rail Committee.

5. Cheryl Allen Richter, FHWA (left), and Charles Larson, Stantec Consulting, Inc., consider plans for Pavement Management Section initiatives.

6. Wade Casey, FHWA, offers insights at a meeting of the Maintenance and Preservation Section.

7. Roadside Safety Design Committee Chair Ronald Seitz, Kansas DOT (left), presents the committee’s best paper award to Dean Sicking, University of Nebraska, Lincoln; and Karla Lechtenburg and Cody Stolle, Midwest Roadside Safety Facility.

8. Concrete Materials Section Chair Jamshid Armaghani, Florida Concrete and Products Association (left), presents a certificate of appreciation to Mohammad S. Khan, Professional Service Industries, Inc., outgoing chair of the Basic Research and Emerging Technologies Related to Concrete Committee.
EXHIBITS

1 John Risley, Traffix Devices, Inc. (left), and Steve Phillips, Forum of European National Highway Research Libraries (FEHRL), discuss FEHRL’s model roadway display.

2 Anja Estel of Ruhr University, Germany (left), observes as Paul Tremont explains an FHWA exhibit.

3 A SHRP 2 task group meets in the exhibit hall to discuss implementation.

CHAIRMAN’S LUNCHEON

4 General Motors research executive Lawrence D. Burns—a former student of 2009 Executive Committee Chair Adib Kanafani—delivered the Chairman’s Luncheon Address on high-tech innovations in automotive design.

5 Roy C. Edgerton, 1978 recipient of the W. N. Carey, Jr., Distinguished Service Award and retired TRB Director of Technical Activities, takes a bow at the Chairman’s luncheon.

OUTSTANDING PAPER AWARDS

6 The Fred Burggraf Award recognizes outstanding papers by young researchers.

7 The Charley V. Wootan Award honors an outstanding paper in policy and organization.

8 The Patricia F. Waller Award recognizes an outstanding paper in the field of safety and system users.

(continued on next page)
AWARDS

1. Geraldine Knatz (center), Executive Director of the Port of Los Angeles, presented the 2009 Thomas B. Deen Distinguished Lecture on “Local Seaport Initiatives Driving International Policy.”

2. Thomas B. Deen, recipient of the Frank Turner Medal for Lifetime Achievement in Transportation, addresses the audience at the Chairman’s Luncheon.

3. Dennis C. Judycki, former Associate Administrator for Research, Development, and Technology, FHWA (left), was honored for his leadership in transportation research management with the Roy W. Crum Distinguished Service Award, presented by 2009 TRB Executive Committee Chair Adib Kanafani.

4. Michael D. Meyer, Professor of Civil and Environmental Engineering at the Georgia Institute of Technology, shares his reflections after receiving the W. N. Carey, Jr., Distinguished Service Award.

OUTSTANDING PAPER AWARDS (continued)

5. The Pyke Johnson Award is presented annually for a paper in the field of transportation systems planning and administration.

6. The K. B. Woods Award recognizes the best paper in the area of design and construction of transportation facilities.

7. The D. Grant Mickle Award honors an outstanding paper in the field of operation, safety, and maintenance of transportation facilities.

Authors of the Mickle Award-winning paper, “Safety-Effectiveness of Selected Treatments at Urban Signalized Intersections,” are (left to right) Nancy X. Lefler and Frank Gross, Vanasse Hangen Brustlin, Inc.; Forrest M. Council, University of North Carolina (UNC); and Bhagwant Persaud and Craig Lyon, Ryerson University, Canada. (Not pictured: Raghavan Srinivasan, UNC.)
New Officers Guide Executive Committee

A dib Kanafani, civil engineering professor at the University of California, Berkeley (UCB), is the 2009 Chair of the TRB Executive Committee. He succeeds Debra L. (Deb) Miller, Secretary of the Kansas Department of Transportation. Michael R. Morris, Director of Transportation, North Central Texas Council of Governments, is the 2009 Vice Chair.

Kanafani is the Edward G. and John R. Cahill Professor of Civil Engineering at UCB. Elected to the National Academy of Engineering in 2002, he has received many awards, including the American Society of Civil Engineers’ (ASCE) James Laurie Prize in 2000. In 2008, Kanafani was named a lifetime National Associate of the National Academies. He is the author of more than 170 publications on transportation, and has been active on TRB committees since the mid-1970s.

A member of the UCB faculty since 1970, Kanafani has engaged in research addressing such topics as transport demand analysis, airport capacity analysis, and airline network analysis. Director of UCB’s Institute of Transportation Studies from 1983 to 1998, Kanafani was a founding member of Mobility 2000 and of California’s Partners for Advanced Transit and Highways (PATH) program, and played an important role in establishing the intelligent transportation systems research effort in the United States. His areas of expertise include the planning and economics of transportation systems, airport planning and design, airline economics, and air traffic management.

Kanafani’s long record of public service includes membership on national and international advisory panels to governments, multinational organizations, and industry, as well as National Research Council (NRC) panels and committees. He chaired the ASCE Air Transport Division. He earned his master’s and PhD degrees from UCB, and a bachelor’s degree in (continued on page 34)
EXECUTIVE COMMITTEE

1. Michael Morris, North Central Texas Council of Governments, was named Executive Committee Vice Chair for 2009.

2. Executive Committee Chair Debra L. Miller, Kansas DOT, and Executive Director Robert E. Skinner, Jr., guided the business meeting agenda.

3. C. Michael Walton, University of Texas, Austin, Chair of the Subcommittee for NRC Oversight, enjoys a break in the discussions.

Also contributing to the Executive Committee Meeting discussions and deliberations were

5. Pete K. Rahn, Missouri DOT;
6. Susan Martinovich, Nevada DOT;
7. Steve Williams, Maverick USA, Inc.;
8. Gloria Shepherd, FHWA;
9. Allen D. Biehler, Pennsylvania DOT;
10. Vincent Valdes, Federal Transit Administration (left); John C. Horsley, AASHTO; Edward A. Helme, Center for Clean Air Policy;
11. Sarah Dunham, Environmental Protection Agency;
12. Past Chair Linda Watson, LYNX–Central Florida Regional Transit Authority; consultant Gerry Schwartz (right), Vice Chair of the Subcommittee for NRC Oversight; and
13. New Executive Committee member Steven Scalzo, Marine Resources Group.
Morris’s responsibilities as Director of Transportation for the North Central Texas Council of Governments include implementation of the Regional Transportation Plan, the Transportation Improvement Program, and air quality-related transportation control measures in the State Implementation Plan. Previously, he was assistant director of the Transportation Department and in 1994 received the Transportation Engineer of the Year Award from the Institute of Transportation Engineers. In 1995, Morris was presented with the Texas Department of Transportation Road Hand Award. He earned a master’s degree in civil engineering from the State University of New York at Buffalo in 1979 and is a registered professional engineer in the state of Texas.

Newly appointed to the Executive Committee is Steven T. Scalzo, Chief Operating Officer, Marine Resources Group (MRG). Before joining MRG in 2005, Scalzo was president of Foss Maritime for 6 years, after holding positions within the company as port captain, general manager of marine operations, and senior vice president of operations. Scalzo has served on TRB’s Marine Board, as well as on other TRB and NRC committees. He is a graduate of the U.S. Merchant Marine Academy and earned a master’s degree in law and commerce at Gonzaga University.

Standing Committees Recognize Meritorious Service

TRB awarded emeritus membership to 24 individuals at the 2009 Annual Meeting, honoring significant, long-term contributions and outstanding service on technical activities committees. The honorees and their committees are listed below.

- **Gerald W. Bernstein**
  Aviation Economics and Forecasting Committee
- **James E. Bryden**
  Work Zone Traffic Control Committee
- **Betsy Buxer**
  Paratransit Committee and Accessible Transportation and Mobility Committee
- **Robert M. Clarke**
  Motor Vehicle Size and Weight Committee
- **Forrest M. Council**
  Safety Data, Analysis, and Evaluation Committee
- **Carol D. Cutshall**
  Environmental Analysis in Transportation Committee
- **Robert T. Dunphy**
  Transportation and Land Development Committee
- **Konstantinos G. Goulas**
  Traveler Behavior and Values Committee
- **Brelend C. Gowan**
  Tort Liability and Risk Management Committee
- **James S. Kalchbrenner**
  Signing and Marking Materials Committee
- **Thomas J. Kazmierowski**
  Pavement Rehabilitation Committee
- **Ronald J. Kilcoyne**
  Bus Transit Systems Committee
- **Robert L. Lytton**
  Engineering Behavior of Unsaturated Soils Committee
- **Hani S. Mahmassani**
  Traveler Behavior and Values Committee
- **David R. Miller**
  Public Transportation Planning and Development Committee
- **Eric J. Miller**
  Transportation Demand Forecasting Committee
- **Glen E. Miller**
  Modeling Techniques in Geomechanics Committee
- **Patricia L. Mokhtarian**
  Traveler Behavior and Values Committee
- **Roger P. Moog**
  Intergovernmental Relations in Aviation Committee
- **Lance A. Neumann**
  Performance Measurement Committee
- **Richard L. Russell**
  Transportation Law Committee
- **David J. Sampson**
  Bus Transit Systems Committee
- **Gary S. Spring**
  Artificial Intelligence and Advanced Computing Applications Committee
- **Richard J. Weiland**
  Intelligent Transportation Systems Committee