



4th International Conference on Women's Issues in Transportation

October 27–30, 2009

**Arnold and Mabel Beckman Conference Center of the National Academies
Irvine, California
and
Newport Beach Marriott Hotel and Spa
Newport Beach, California**

Sponsored by

**Women's Issues in Transportation Committee,
Transportation Research Board**

Federal Highway Administration

United Kingdom Department for Transport

UCTC (UCB, UCI, UCLA, UCR, UCSB)

Swedish Government Agency for Innovation Systems

**METRANS Transportation Center (University of Southern
California and California State University, Long Beach)**

New Mexico Department of Transportation

University of California, Davis

Federal Transit Administration

Women's Transportation Seminars

www.trb.org/calendar

Session Information

Tuesday, October 27

All Events at Marriott Hotel

Noon

Conference Registration Opens, Cardiff Room Foyer

1:00 p.m.–4:00 p.m.

Workshop, Cardiff Room

(advance registration and separate fee required)

**Special Workshop on the History of Women in Transportation:
How Can We Plan for the Future If We Don't Understand the Past?**

Sandra Rosenbloom, University of Arizona, *presiding*

This entertaining and informative workshop will provide historical perspectives on women in transportation in the 20th and 21st Centuries. Featured speakers will incorporate the use of multimedia presentations to discuss the evolution of women as transportation users, from bloomer-clad bicyclists to race car drivers.

From Spokes to “Sprockettes”: A History of Women and the Bicycle

Jennifer Dill, Portland State University

Women as Drivers: A Movie History

Asha Weinstein Agrawal, San José State University

**Standing on the Corner: How Girl Watching Became Street Harassment in
Post-War United States**

Georgina Hickey, University of Michigan–Dearborn

4:30 p.m.–5:30 p.m.

**Preconference Meeting with Committee, Consultants, and Rapporteurs,
Emerald Cove Room *(by invitation only)***

5:30 p.m.

Poster Session Installation

6:00 p.m.–7:30 p.m.

Welcome Reception and Featured Poster Session, Atrium

Tuesday, October 27, 2009



Poster Session

Susan Hanson, Clark University, *presiding*

Rereading Time and Geography from a Feminist Perspective, Gendered Mobility

Tora Friberg and Annika Sandén, Linköping University; and Christina Scholten, Malmö University

Privacy and Gender: Reviewing Women's Attitudes Toward Privacy in Context of Intelligent Transportation Systems and Location-Based Services

Caitlin D. Cottrill and Piyushimita (Vonu) Thakuria, University of Illinois, Chicago

Environmental Justice, Gender, and Conflict in California Climate Policy

Alex Karner, Dana Rowan, Jonathan London, Julie Sze, and Debbie Niemeier, University of California, Davis

Gender Mainstreaming Through Gender Research

Åsa Vagland and Ulla Göranson, Vinnova

Travel Time and Quality of Life: A Framework for Assessing Gender and Socioeconomic Equity in Transportation Systems

Cassandra Elena Gekas and Lisa Aultman-Hall, University of Vermont

Gender and Safety in Public Transportation: An Explorative Study In the Sub-Saharan African City of Lagos, Nigeria

Bashir Olufemi Odufuwa, Olabisi Onabanjo University, Nigeria; and H. Geerlings, Erasmus University, Econometric Institute

Gender Considerations in Performance Measures for Bicycle Infrastructure

Catherine R. Emond, University of California, Davis

Women's Safety and Security Issues with Bicycling and Walking: An Examination of Potential Planning, Design, and Technology Solutions

Stephen Vaughn, University of Illinois at Chicago

How Does Fear of Sexual Harassment on Transit Affect Women's Use of Transit?

Hsin-Ping Hsu, University of California, Irvine

Parents' Perceptions of Children's Safety and Security in the Neighborhood Built Environment and Decisions about Their Mode of Travel to School

Daneille Fontaine, Clark University

Postpartum Fatigue and Driving: Relating Experiences, Thoughts, and Opinions 12 Weeks Post-Birth

Kerrie Livingstone and Karen Armstrong, Centre for Accident Research and Road Safety, Australia

Older Women's Travel Patterns and Road-Accident Involvement in Britain

Christopher G. B. Mitchell, Consultant, United Kingdom

Travel Time and Distance Regarding Gender Pattern Changes in the Paris Region: Past Trends and Forecasts to 2030

Ariane Nadia Dupont-Kieffer, INRETS-DEST, France

The Role of Activity Attributes and Gender in Activity Participation and Travel

Kelly Clifton and Gulsah Akar, University of Maryland, College Park; and Sean T. Doherty, Wilfrid Laurier University, Canada

Tuesday, October 27, 2009



Wednesday, October 28

All Events at Beckman Center

7:00 a.m.–8:00 a.m.

Complimentary shuttle bus service provided from Marriott Hotel to Beckman Center, with staggered departures

7:15 a.m.

Conference Registration Opens

7:15 a.m.–8:15 a.m.

Full Breakfast Buffet

8:30 a.m.–10:00 a.m.

Opening Plenary Session, Auditorium

Susan Hanson, Clark University, *presiding*

Women's Travel Issues: Creating Knowledge, Improving Policy, and Making Change

Martin Wachs, RAND Corporation

Gender, Poverty, and Transportation in the Developing World

Ananya Roy, University of California, Berkeley

10:00 a.m.–10:15 a.m.

Morning Break

10:30 a.m.–noon

Plenary Session 2: Changing Demographics, Women's Travel Patterns, and Transportation Policy, Auditorium

Elaine Murakami, FHWA, *presiding*

Understanding Women's and Men's Travel Patterns in Developed and Developing Countries

Sandra Rosenbloom, University of Arizona; and Maryvonne Plessis-Fraissard, World Bank

Her Money or Her Time: A Gendered View of Contemporary Transportation Policy

Genevieve Giuliano and Lisa A. Schweitzer, University of Southern California

Noon–1:15 p.m.

Lunch

1:30 p.m.–3:30 p.m.

Breakout Sessions: Choice of 2A, 2B, or 2C

Wednesday, October 28, 2009



Breakout Session 2A: Women's Travel Patterns and Behavior, Auditorium

Sandi Rosenbloom, University of Arizona, *presiding*

A Commitment to Continue? Comparing Women and Men Commuters Who Choose Transit Over Driving Alone

Jane Gould and Jiangping Zhou, University of California, Los Angeles

Changing Travel Patterns of Women in the Netherlands

Peter Jorritsma, Maria-José Kalter, and Lucas Harms, KIM Netherlands Institute for Transport Policy Analysis

Breakout Session 2B: Mobility and Safety Issues for Youths and Young Adults, Huntington Room

Tonya Holland, Federal Transit Administration, *presiding*

Young Women's Transportation and Labor Market Experiences

Piyushimita (Vonu) Thakuria, Lei Tang, and Shashi Kanth Menchu, University of Illinois at Chicago

What Is the Role of Mothers in Transit-Oriented Development? The Case of Osaka-Kyoto-Kobe

Owen Waygood, Kyoto University

Breakout Session 2C: Mobility Issues in Africa and Asia, Board Room

Maryvonne Plessis-Fraissard, World Bank, *presiding*

What Do Existing Household Surveys Tell Us About Gender and Transportation in Developing Countries?

Julie Babinard and Kinnon Scott, World Bank

Understood, Misunderstood, or Ignored? Poverty, Place, Gender, and Intracity Transportation in the Philippines

Roselle Leah Kolipano Rivera, University of the Philippines

Appreciation of Gender Difference in Development of Qualitative Level of Service for Sidewalks

Purnima Parida, Central Road Research Institute, New Delhi; and Manoranjan Parida, IIT, Roorkee

3:30 p.m.–4:00 p.m.

Afternoon Break

Wednesday, October 28, 2009



4:00 p.m.–6:00 p.m.

Breakout Sessions: Choice of 2D, 2E, or 2F

Breakout Session 2D: Attitudes and Preferences, Auditorium

Kostas Goulias, University of California, Santa Barbara, *presiding*

Creatively Committed or Burdened with Worry? Talking about Travel and Environmental Issues as a Way of “Doing Gender”

Emmy Dahl, Linköping University

Gender Differences in the Value of Commuting Time: Evidence from a Household Model of Subjective Life Satisfaction in Sweden

Kandice Kreamer Fults and Anders Karlstrom, Royal Institute of Technology, Sweden; and Gunnar Isacson, Swedish National Road and Transport Research Institute

Breakout Session 2E: Gender Equality and Equity Issues, Huntington Room

Jacquelyne D. Grimshaw, Center for Neighborhood Technology, *presiding*

A Gender-Equal Transportation System: A Legal Study for Implementation of Gender Equality Responsibility in the Transportation Sector

Wanna Svedberg, University of Gothenburg, Sweden

Gender Equality: A Key Tool for Reaching Sustainable Development in the Transport Sector

Merritt Polk, Gothenburg University, Sweden

Breakout Session 2F: Gender Equality in Transportation in Sweden, Board Room

Gloria J. Jeff, Consultant, *presiding*

Gender Equality As a Subsidiary Objective of Swedish Transportation Policy: What Has Happened Since 2004?

Asa Vagland, VINNOVA; and Lena Levin, VTI, Swedish National Road and Transport Research Institute

Vision Meets Practice: Planning for a Gender-Equal Transportation System in Sweden

Malin Henriksson, Linköping University

Women and Men in Public Consultation of Road Building Projects

Lena Levin, VTI, Swedish National Road and Transport Research Institute

Gender Mainstreaming in Transportation: The Impact of Management Control

Eva Wittbom, School of Business, Stockholm University, and School of Management, Blekinge Institute of Technology

6:15 p.m.

Buses Return Attendees to Marriott Hotel

Wednesday, October 28, 2009



Thursday, October 29

All events at Beckman Center

7:00 a.m.–8:00 a.m.

Complimentary Shuttle Bus Service Provided from Marriott Hotel to Beckman Center, with Staggered Departures

7:15 a.m.

Conference Registration Opens

7:15 a.m.–8:15 a.m.

Full Breakfast Buffet

8:30 a.m.–10:00 a.m., **Auditorium**

Plenary Session 3: International Industry Leaders Panel

Martin Wachs, RAND Corporation, *presiding*

Therese McMillan, Deputy Administrator, Federal Transit Administration; Maria-Cristina Marolda, European Commission; Gina-Marie Lindsay, Los Angeles International Airport; Bonnie Nelson, Nelson/Nygaard Consulting Associates; and Maria Mehranian, Cordoba Corporation

10:00 a.m.–10:30 a.m.

Morning Break

10:30 a.m.–noon

Plenary Session 4: Women's Transportation Safety and Personal Security, Auditorium

Jeanne Krieg, Eastern Contra County Transit Authority, *presiding*

Road User Safety—Women's Issues

Lidia P. Kostyniuk, University of Michigan

What is Blocking Her Path? Women, Mobility, and Security

Anastasia Loukaitou-Sideris, University of California, Los Angeles

Noon–1:15 p.m.

Lunch

1:30 p.m.–3:30 p.m.

Breakout Sessions: Choice of 4A or 4B

Breakout Session 4A: Older Women's Safe Mobility, Auditorium

Martin Wachs, RAND Corporation, *presiding*

Driving Miss Daisy—Older Women as Passengers

Nancy McGuckin, Consultant; Heather Contrino, FHWA; Hikari Nakamoto, Travel Behavior Analyst; and Adella Santos, Cambridge Systematics

Traffic Violation Versus Driving Errors: Implications for Older Female Drivers

Sherrilene Classen, Orit Shechtman, and Desiree N. Lanford, University of Florida; Yongsung Joo, Dongguk University; and Kezia Awadzi, Sante Fe Community College

Thursday, October 29, 2009



Older Women’s Safe Mobility—Extending the Amount Women Drive

Christopher Mitchell, United Kingdom, presenting on behalf of John W. Eberhard, Columbia, Maryland

Breakout Session 4B: Personal Security Issues, Huntington Room

Jeanne Krieg, Eastern Contra Costa Transit Authority, *presiding*

Abandon All Hope Ye Who Enter Here: Understanding the Problem of “Eve Teasing” for Women Commuters in Chennai

Sheila Sarkar and P. Partheehan, San Diego State University

Women-Only Passenger Rail Cars in Japan

Etsuko Tsunozaki, SEEDS Asia

Crime Travel of Female Offenders in Manchester, England

Ned Levine, Ned Levine and Associates; and Patsy Lee, Greater Manchester Police, Manchester, England

3:30 p.m.–4:00 p.m.

Afternoon Break

4:00 p.m.–6:00 p.m.

Breakout Sessions: Choice of 4C or 4D

Breakout Session 4C: Driver Behavior and Crashes, Auditorium

Lidia P. Kostyniuk, University of Michigan, *presiding*

An Investigation of Differences in Crash Characteristics Between Males and Females Involved in a Fatigue-Related Crash or Close-Call Event

Kerry Ann Armstrong, Patricia Obst, and Kerrie Livingstone, Centre for Accident Research and Road Safety, Australia; and Narelle Lorraine Haworth, Queensland University of Technology, Australia

Spatial Variations in Motor Vehicle Crashes by Gender in the Houston Metropolitan Area

Ned Levine, Ned Levine and Associates

Female Involvement in U.S. Fatal Crashes Under a Three-Level Hierarchical Crash Model: Mediating and Moderating Factors

Eduardo Romano, Tara Kelley-Baker, and Pedro Torres, Pacific Institute for Research and Evaluation

Understanding the Role of Gender and the Built Environment in Teen Motor Vehicle Crashes: An Analysis of 16–19-Year-Olds in North Carolina

Noreen McDonald and Amanda Dwelley, University of North Carolina, Chapel Hill



Breakout Session 4D: Extreme Events—Mobility and Safety Issues for Women and Children in Times of Crisis, *Huntington Room*

Marsha Anderson Bomar, Street Smarts, *presiding*

Impacts of Family Responsibilities and Car Availability on Households with No-Notice Evacuation Time

Pamela Murray-Tuite, Virginia Polytechnic Institute and State University; Lisa A. Schweitzer, University of Southern California; and Sirui Liu, Virginia Polytechnic Institute and State University

The Inequality of Impacts: Women's Experiences in Extreme Events

Beverly Ward and Margarethe Kusenbach, University of South Florida

Gender Differences in Self-Reported Evacuation Experiences: An Analysis of the City-Assisted Evacuation Program During Hurricane Gustav

Pamela Jenkins and John Renne, University of New Orleans

New Orleans Case Study: Gender Issues in Hurricane Evacuation Plans for Vulnerable Populations

Evangeline Franklin, City of New Orleans

6:00 p.m.–8:30 p.m.

Please join us for a reception followed by an authentic Texas-style barbeque dinner on the Beckman Center Terrace.

6:30 p.m., 7:30 p.m., and 8:30 p.m.

Shuttle Bus Departures from Beckman Center to Marriott Hotel

Thursday, October 29, 2009



Friday, October 30

All Events at Beckman Center

7:00 a.m.–8:00 a.m.

Complimentary Shuttle Bus Service Provided from Marriott Hotel to Beckman Center, with Staggered Departures

7:15 a.m.

Conference Registration Opens

7:15 a.m.–8:15 a.m.

Full Breakfast Buffet

8:30 a.m.–10:00 a.m.

Plenary Session 5: The Effects of Gender on Mobility

Susan Hanson, Clark University, *presiding*

Sources of the Narrowing and Widening of Travel Differences by Gender

Randall Crane and Lois Takahashi, University of California, Los Angeles

The Effect of Gender on Commuter Impacts and Behavior Changes in Context of Major Freeway Reconstruction

Patricia L. Mokhtarian, Liang Ye, and Meiping Yun, University of California, Davis

Discussant: Sandra Rosenbloom, University of Arizona

10:00 a.m.–noon

Plenary Session 6: Rapporteurs' Report of Identified Research Needs and Constructing a Research Agenda

Gloria Jeff, Consultant, *presiding*

Noon

Conference Adjourns

12:15 p.m.

Bus No. 1 leaves for the Port of Los Angeles Harbor Tour (*advance registration and \$25 fee includes tour, bus transportation, boxed lunch, and beverage*). Bus returns participants to Marriott Hotel after tour has concluded.

Bus No. 2 returns all others to Marriott Hotel.

Friday, October 30, 2009



Planning Team

Susan Hanson, Clark University, *Chair*
Marsha Bomar Anderson, StreetSmarts
Kostas Goulias, University of California,
Santa Barbara
Jacky Grimshaw, Center for Neighborhood
Technology
Gloria Jeff, Consultant
Lidia Kostyniuk, University of Michigan
Jeanne Krieg, Eastern Contra Costa County
Transit Authority
Maryvonne Plessis-Fraissaird, Consultant
Sandra Rosenbloom, University of Arizona
Martin Wachs, RAND Corporation

Conference Sponsor Liaisons

Elaine Murakami, Federal Highway Administration
Tonya Holland, Federal Transit Administration
Miranda Carter, United Kingdom Department
for Transport

Consultants

Susan Herbel and Danena Gaines, Cambridge
Systematics

TRB Staff

Martine Micozzi, Senior Program Officer
Matthew Miller, Senior Program Assistant

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

