

Emerging Issues in Safe and Sustainable Mobility for Older People

August 30–September 1, 2011



**Mandarin Oriental Hotel
Washington, D.C.**

AGENDA AT A GLANCE

Tuesday, August 30		
7:30 a.m.–5:00 p.m.	Registration	<i>Oriental Registration Desk</i>
7:30 a.m.–8:30 a.m.	Continental Breakfast	<i>Mandarin Foyer</i>
8:30 a.m.–9:30 a.m.	Welcome and Keynote Address: Red, White, Blue, and Gray—Meeting the New Challenges of Keeping an Aging America on the Move	<i>Grand Ballroom A</i>
9:30 a.m.–10:00 a.m.	Break	<i>Mandarin Foyer</i>
10:00 a.m.–noon	Plenary Session 1: Changing Demographics	<i>Grand Ballroom A</i>
Noon–2:00 p.m.	Lunch and Poster Session	<i>Oriental Ballroom</i>
2:00 p.m.–4:00 p.m.	Plenary Session 2: Changing Health Care Environment	<i>Grand Ballroom A</i>
4:00 p.m.–4:30 p.m.	Break	<i>Mandarin Foyer</i>
4:30 p.m.–5:30 p.m.	Panel Discussion	<i>Grand Ballroom A</i>
Wednesday, August 31		
7:30 a.m.–5:00 p.m.	Registration	<i>Oriental Registration Desk</i>
7:30 a.m.–8:30 a.m.	Continental Breakfast	<i>Mandarin Foyer</i>
8:30 a.m.–10:30 a.m.	Plenary Session 3: Changing Health Care Environment	<i>Grand Ballroom A</i>
10:30 a.m.–11:00 a.m.	Break	<i>Mandarin Foyer</i>
11:00 a.m.–noon	Presentations	<i>Grand Ballroom A</i>
Noon–1:00 p.m.	Lunch and Poster Session	<i>Oriental Ballroom</i>
1:00 p.m.–3:00 p.m.	Plenary Session 4: Changing and Emerging Caregivers	<i>Grand Ballroom A</i>
3:00 p.m.–3:30 p.m.	Break	<i>Mandarin Foyer</i>
3:30 p.m.–5:30 p.m.	Plenary Session 5: Policy Changes	<i>Grand Ballroom A</i>
6:00 p.m.	Reception	<i>Mandarin Foyer</i>
6:45 p.m.	Dinner	<i>Oriental Ballroom</i>
Thursday, September 1		
7:30 a.m.–noon	Registration	<i>Oriental Registration Desk</i>
7:30 a.m.–8:30 a.m.	Continental Breakfast	<i>Mandarin Foyer</i>
8:30 a.m.–10:30 a.m.	Plenary Session 6: Policy Changes	<i>Grand Ballroom A</i>
10:30 a.m.–11:00 a.m.	Break	<i>Mandarin Foyer</i>
11:00 a.m.–noon	Panel Discussion: Wrap-Up	<i>Grand Ballroom A</i>

Conference Committee

Lesley Ross, University of Alabama at Birmingham
 Karlene Ball, University of Alabama at Birmingham
 Sherrilene Classen, University of Florida
 Jerri Edwards, University of South Florida
 Katherine Freund, ITNAmerica
 Jed Johnson, Easter Seals
 Carl A. Soderstrom, Maryland Motor Vehicle Administration
 Esther Wagner, National Highway Traffic Safety Administration

TRB Staff
 Richard F. Pain, Senior Program Officer and Transportation Safety Coordinator
 Mary Kissi, Senior Program Associate
 Julie Miller, Conference and Exhibit Manager

August 30–September 1, 2011



WELCOME

Dear Colleagues:

Welcome to the International Conference on Emerging Issues in Safe and Sustainable Mobility for Older Persons! This conference brings together renowned scientists from around the world—Australia, England, France, Japan, and the United States—to discuss the latest research findings on the mobility and independence of older adults, creating the opportunity for policy makers, researchers, industry partners, and state agencies to openly discuss current issues and possible solutions to barriers surrounding safe and sustainable mobility for older adults.

The conference should foster discussion about transportation needs for the changing demographics and possible directions to best serve older adults. This committee looks forward to seeing the fruits of the conference in a special issue of *Accident Analysis and Prevention*. A call for papers will be distributed to all conference attendees later this year.

The committee invites you to enjoy the beautiful venue that is within walking distance of the nation's most cherished monuments, Capitol Hill, and the revered museums of the Smithsonian Institution. Ranked by *Institutional Investor* magazine as one of the top 100 hotels in the world, the Mandarin Oriental—with views of the Tidal Basin, the Jefferson Memorial, and the Washington Monument—creates memorable experiences for any traveler from around the world.

The committee offers a special thanks to the gracious sponsors who have made this conference possible: the Transportation Research Board, the National Institutes of Health, the AAA Foundation for Traffic Safety, and the Center for Research on Applied Gerontology of the University of Alabama at Birmingham. And a special thank you goes to Martha Graham, John Eberhard, and Pam Gore for their assistance.

—Conference Committee

Mission of the Safe Mobility for Older Persons Committee

Our purpose is to stimulate quality research and evaluation, provide a forum for interested researchers and practitioners to disseminate research and related information to those involved, as well as to foster interest in improving the safety and mobility of older persons.

August 30–September 1, 2011



CONFERENCE AGENDA

Tuesday, August 30

7:30 a.m.–5:00 p.m., *Oriental Registration Desk*

Registration

7:30 a.m.–8:30 a.m., *Mandarin Foyer*

Continental Breakfast

8.30 a.m.–9:30 a.m., *Grand Ballroom A*

Welcome

Karlene Ball

Conference Keynote: Red, White, Blue, and Gray—Meeting the New Challenges of Keeping an Aging America on the Move

Joseph Coughlin

9:30 a.m.–10:00 a.m., *Mandarin Foyer*

Morning Break

10:00 a.m.–noon, *Grand Ballroom A*

Plenary Session 1: Changing Demographics

Keynote: Aging in America in the 21st Century

Jay Olshansky

Papers:

Travel of Older Adults: Highlights from the 2009 National Household Travel Survey

Jana Lynott

Mobility Characteristics of U.S. Older Adult Drivers and Nondrivers

Rebecca B. Naumann, Ann M. Dellinger, Judy Stevens, and Grant Baldwin

Comparison of Older Road User Crash Risk and Driver Travel Patterns and Practices in a High-Income Country and a Low-Income Country

Jennie Oxley, Judith Charlton, Sharifah Norazizan, Syed Abdul Rashid, and Mohamad Fazdillah Bagat

Noon–2:00 p.m., *Oriental Ballroom*

Lunch and Poster Session (Posters will be displayed through Wednesday)

Critical Review of Evidence on Meanings, Decision Making, and Quality of Life Outcomes of Driving Retirement for Older Adults

Faranak Aminzadeh

Engaging Older Adults in Safe and Active Transportation and Mobility Policymaking

Rhianna Babka and Wendy Alfsen

Older Adults and Safe Mobility: A Market Segmentation Perspective

Ann M. Dellinger, Moshe Engleberg, Heidi Keller, and Rebecca B. Naumann

Impacts of Activity Attributes on Elderly Safety, Health, and Lifestyle

Behzad Karimi, Taha Hossein Rashidi, Anam Ardeshiri, and Abolfazi Mohammadian

Analysis of Highway Safety for Elders in Tanzania: A Case Study of TANZAM Highway, Kibaha–Chalinze Section

Doreen Clemence Kobelo, Salome Kitinya, and Judith Mwakalonge

Older Adults in Motor Vehicle Crashes: Does Preinjury Morbidity Differ in Drivers, Pedestrians, and Passengers?

Kelly D. Lloyd, Mona Baumgarten, and Gordon S. Smith

Tuesday, August 30, 2011



Policy Considerations for Ensuring Personal Mobility in a Region with Limited Opportunities for Mass Transit

Richard Perrin

Imputation of a Motor Vehicle Collision to an Elderly Driver's Health Status: A Bayesian Approach

Louis-Rachid Salmi and Catherine Helmer

Aging in Place for Vulnerable Older Adults: The Importance of Access to Transportation

Lorilei Michaud Richardson, Chae Man Lee, and Elizabeth Dugan

Ride or Relocate

Del Peterson

Addressing Older Pedestrian Injuries in a Community Context

Nancy C. Pullen-Seufert, Lauren M. Marchetti, and Seth Lajeunesse

Training and Licensing of Senior Drivers

Thomas Tsai

2:00 p.m.–4:00 p.m., *Grand Ballroom A*

Plenary Session 2: Changing Health Care Environment

Keynote: Lifestyle Interventions to Prevent Mobility Loss in Older Adult

Marco Pahor

Papers:

Acceptance of Driver Support Systems by Drivers Over 65 Years Old

Yvonne Barnard, Natasha Merat, Mike Bradley, and Ashley Lloyd

Accident Involvement of Older Drivers in Britain

Britta Lang, Andrew Martin Parkes, and Michael Gormley

Driving As an Instrumental Activity of Daily Living in the Medical Setting: A Model for Intervention and Referral

Anne Dickerson, Elin Schold Davis, and Felicia Chew

Factors Associated with Age-Related Differences in Crash Injury Types, Causation, and Mechanisms

Stephen A. Ridella, Kristin Poland, and Amanda M. Beyersmith

4:00 p.m.–4:30 p.m., *Mandarin Foyer*

Afternoon Break

4:30 p.m.–5:30 p.m., *Grand Ballroom A*

Panel Discussion

Wednesday, August 31

7:30 a.m.–5:00 p.m., *Oriental Registration Desk*

Registration

7:30 a.m.–8:30 a.m., *Mandarin Foyer*

Continental Breakfast

8:30 a.m.–10:30 a.m., *Grand Ballroom A*

Plenary Session 3: Changing Health Care Environment

Keynote: Emerging Research on Brain Health and Fitness

Karlene Ball

Tuesday, August 30, and Wednesday, August 31, 2011



Papers:

Going Viral: A Web Curriculum that Educates Physicians About Addressing, Counseling, and Treating Older Drivers

Cheryl A. Irmiter, Joanne G. Schwartzberg, Lela D. Manning, and Karen E. Peters

Policy Changes to Reduce Motor Vehicle Collisions via Earlier Cataract Surgery

Stephen Thomas Mennemeyer, Cynthia Owsley, and Gerald McGwin

The Effects of Training in Cognitive Exercises on Mobility Among the Elderly

Ryosuke Shigematsu, Tomohiro Okura, and Masaki Nakagaichi

Translating Research Findings to the Private Sector

Henry Mahncke

10:30 a.m.–11:00 a.m., *Mandarin Foyer*

Morning Break

11:00 a.m.–noon, *Grand Ballroom A*

Papers:

Strengthening State Medical Referral and Review Systems for Potentially Medically At-Risk Drivers

Jacob Allen Nelson, Jane Stutts, and Jean Wilkins

Conditions and Characteristics of Serious and Fatal Crashes Involving Older Rural Drivers

James Thompson, Matthew R.J. Baldock, Jane L. Mathias, and Lisa N. Wundersitz

Driving and Dementia Toolkit for Persons with Dementia (PWD) and Their Caregivers

Anna Byszewski, Faranak Aminzadeh, Kelly Robinson, Frank Molnar, William Dalziel, Malcolm Man Son Hing, Lynn Hunt, and Shawn Marshall

Impact of Social Supports on the Travel Behaviors of Senior Nondrivers

Dennis McCarthy

Noon–1:00 p.m., *Oriental Ballroom*

Lunch and Poster Session (Posters from Tuesday)

1:00 p.m.–3:00 p.m., *Grand Ballroom A*

Plenary Session 4: Changing and Emerging Caregivers

Keynote: Gail Hunt

Papers:

Your Family, Our Family, Our Mobility Options

Jon Edgar Burkhard

A Simulation-Based Approach to Increase Safety in Cognitively Impaired Senior Drivers

Kevin F. Hulme, Robert Stall, Lisa Thorpe, Alan Blatt, and Robert Sugarman

Self-Rated Driving Among Older Adults with Normal Cognition, Mild Cognitive Impairment, and Dementia

Melissa Lunsman O'Connor, Yvonne Bannon, Elizabeth M. Hudak, Christine Haley, Carol Peronto, and Jerri D. Edwards

Criterion Validity of the Safe Driving Behavior Measure: Predicting Older Adults Passing and Failing an On-Road Driving Evaluation

Sherrilene Classen, Yanning Wang, Sandra M. Winter, Craig A. Velozo, and Desiree N. Lanford

3:00 p.m.–3:30 p.m., *Mandarin Foyer*

Afternoon Break

3:30 p.m.–5:30 p.m., *Grand Ballroom A*

Plenary Session 5: Policy Changes

Keynote: Policy Prescriptions to Preserve Mobility for Seniors—A Dose of Realism

Loren Staplin and Katherine Freund



Papers:

Limiting the Allowed Driving Distance from Home May Not Lead to a Reduced Crash Risk for Older Adults

Catarina Lundberg and Kurt Johansson

Addressing Elderly Mobility Issues in Wisconsin

Jason J. Bittner, Patrick J. Fuchs, Timothy David Baird, and Teresa M. Adams

California Department of Motor Vehicles: Supporting and Improving Relationships with Constituents

Linda Louise Hill, Charles Fenner, and Jill Rybar

The Experience Age: Medical Record Review of Outcomes from the Adaptive Driving Program

Nahom Minassie Beyene, Amy Lane, and Rosemarie Cooper

6:00 p.m., *Mandarin Foyer*

Reception (Cash Bar and Light Hors d'Oeuvres)

6:45 p.m., *Oriental Ballroom*

Dinner

Thursday, September 1

7:30 a.m.–noon, *Oriental Registration Desk*

Registration

7:30 a.m.–8:30 a.m., *Mandarin Foyer*

Continental Breakfast

8:30 a.m.–10:30 a.m., *Grand Ballroom A*

Plenary Session 6: Policy Changes

Papers:

Drivers in Their 60s, 70s, and Older: Analyses of Fatality Analysis Reporting System and General Estimates System Data

Kathy J. Sifrit, Jane Stutts, Carol Martell, and Loren Staplin

Licensing and Safety of Older Drivers in Britain

Christopher G. B. (Kit) Mitchell

Transportation and Health Care Use for Older Adults in Rural and Small Urban Areas

Jeremy Wade Mattson

Systematic Assessment of Elderly Persons' Ability to Drive: Are Policies Evidence-Based?

Louis-Rachid Salmi, Sandy Leproust, Catherine Helmer, and Emmanuel Lagarde

Safe Multimodal Travel for Older Adults: Adopting Effective Complete Streets Policies

Barbara McCann and Jana Lynott

Impact of Urban Form on Older Adults: Neighborhood Design and Baby Boomers' Local Behavior

Jae Seung Lee, P. Christopher Zengras, and Eran Ben-Joseph

10:30 a.m.–11:00 a.m., *Mandarin Foyer*

Morning Break

11:00 a.m.–noon, *Grand Ballroom A*

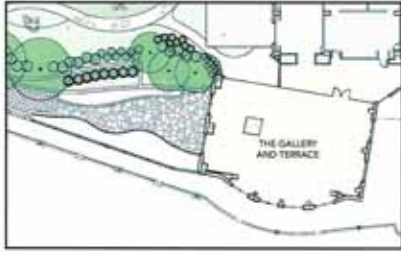
Panel Discussion: Wrap-Up

Wednesday, August 31, and Thursday, September 1, 2011





BALLROOM LEVEL FLOOR PLAN



GALLERY LEVEL FLOOR PLAN

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