Emerging Issues in Safe and Sustainable Mobility for Older People

August 30–September 1, 2011

Mandarin Oriental Hotel
Washington, D.C.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:30 a.m.–5:00 p.m.</td>
<td>Registration</td>
<td>Oriental Registration Desk</td>
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<tr>
<td>7:30 a.m.–8:30 a.m.</td>
<td>Continental Breakfast</td>
<td>Mandarin Foyer</td>
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<tr>
<td>8:30 a.m.–9:30 a.m.</td>
<td>Welcome and Keynote Address: Red, White, Blue, and Gray—Meeting the New Challenges of Keeping an Aging America on the Move</td>
<td>Grand Ballroom A</td>
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<td>9:30 a.m.–10:00 a.m.</td>
<td>Break</td>
<td>Mandarin Foyer</td>
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<tr>
<td>10:00 a.m.–noon</td>
<td>Plenary Session 1: Changing Demographics</td>
<td>Grand Ballroom A</td>
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<tr>
<td>Noon–2:00 p.m.</td>
<td>Lunch and Poster Session</td>
<td>Oriental Ballroom</td>
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<td>2:00 p.m.–4:00 p.m.</td>
<td>Plenary Session 2: Changing Health Care Environment</td>
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<td>4:00 p.m.–4:30 p.m.</td>
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<td>4:30 p.m.–5:30 p.m.</td>
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<tr>
<td>11:00 a.m.–noon</td>
<td>Presentations</td>
<td>Grand Ballroom A</td>
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<td>Noon–1:00 p.m.</td>
<td>Lunch and Poster Session</td>
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<td>1:00 p.m.–3:00 p.m.</td>
<td>Plenary Session 4: Changing and Emerging Caregivers</td>
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<td>Break</td>
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<td>3:30 p.m.–5:30 p.m.</td>
<td>Plenary Session 5: Policy Changes</td>
<td>Grand Ballroom A</td>
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<td>6:00 p.m.</td>
<td>Reception</td>
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<td>6:45 p.m.</td>
<td>Dinner</td>
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<td>Plenary Session 6: Policy Changes</td>
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<td>Panel Discussion: Wrap-Up</td>
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**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
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.
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 Clemente 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
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
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
Ryoosuke 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 Zegras, 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