

UMTRI Transportation Safety Research Symposium
Michigan League Ballroom
Thursday, October 6, 2016
8am – 4pm

Agenda

8:00-8:30 Registration and Continental Breakfast

8:30-8:40 **Welcome and Opening Remarks**

Welcome: Francine Romine, Director of Marketing and Communications, UMTRI

Opening Remarks: James Sayer, PhD, Director and Research Scientist, UMTRI

8:40-9:10 **Morning Keynote Speaker**

Vinn White, Acting Assistant Secretary, Office of the Secretary, U.S. Department of Transportation

9:10-10:10 **Panel I – Safety**
Improve Safety on our Roads: A Call to Action

Moderator: Monica Jones, PhD, Assistant Research Scientist, UMTRI

Daniel Blower, PhD, Associate Research Scientist, UMTRI
“Fatalities in the 21st Century: Is It Just the Economy?”

Lisa Buckley, PhD, Assistant Research Scientist, UMTRI
“Evaluating an Intervention to Improve Belt Fit for Drivers”

Anuj Pradhan, PhD, Assistant Research Scientist, UMTRI
“Examination of Operator State Monitoring and Operator Engagement as Strategies for Mitigating Human Factors Challenges Associated with Transfer-of-Control During Automated Driving”

David LeBlanc, PhD, Associate Research Scientist, UMTRI
“How Crash Avoidance Systems Operate in the Field and How Drivers Respond to Them – An Evaluation of Active Safety Systems”

- 10:10-10:40 Break
Poster Session in Vandenberg
- 10:40-11:40 **Panel II – Mobility**
Ensuring Mobility in a Diverse Society: Noteworthy Research Initiatives
Moderator: Lisa Molnar, PhD, Associate Research Scientist and Associate Director, UMTRI
- Alexandra Murphy, PhD, Assistant Professor, U-M Department of Sociology
“Measuring Transportation Insecurity and Assessing Inequality in Mobility”
- David Eby, PhD, Director of ATLAS Center and Research Professor, UMTRI
“Maintaining Safe Mobility for Older Adults: Michigan's Integrated Approach”
- Robert Hampshire, PhD, Research Assistant Professor, UMTRI
“Urban Analytics: Access and the Sharing Economy”
- Pascal Van Hentenryck, PhD, Professor, U-M Department of Industrial and Operations Engineering
“On Demand Multimodal Urban Mobility”
- 11:40-12:30 Lunch & Networking
- 12:00-12:30 Poster Session in Vandenberg
- 12:30-12:50 **Afternoon Keynote Speaker**
- Jurek Grabowski, Research Director, AAA Foundation for Traffic Safety
- 12:50-1:50 **Panel III – Energy**
From Safety to Energy: What Can the Emerging Advanced Technologies Do?
Moderator: Shan Bao, PhD, Associate Research Scientist, UMTRI
- John DeCicco, PhD, Research Professor, U-M Energy Institute
“Confronting the Transportation-Climate Challenge in the Face of Petroleum Persistence”
- Henry Liu, PhD, Research Professor, UMTRI and U-M Department of Civil and Environmental Engineering
“Eco-Operation of Urban Traffic Signals”
- Kathy Klinich, PhD, Associate Research Scientist and Associate Director, UMTRI
“Potential Safety Effects of Low-Mass Vehicles with Comprehensive Crash Avoidance Technology”

- 1:50-2:10 **Guest Speaker**
Remarks by Alec Gallimore, PhD, Robert J. Vlasic Dean of Engineering, University of Michigan
- 2:10-2:40 Break
Poster Session in Vandenberg
- 2:40-3:40 **Panel IV – UMTRI Research Excellence Award Presentations**
Moderator: Carol Flannagan, PhD, Research Associate Professor, UMTRI
- Jingwen Hu, PhD, Associate Research Scientist, UMTRI
“Integration of Active and Passive Safety Technologies – A Method to Study and Estimate Field Capability”
- Miriam Manary, Senior Research Associate, UMTRI
“Evaluation of ISO CRS Envelopes Relative to US Vehicles and Child Restraint Systems”
- Daniel Park, PhD, Assistant Research Scientist, UMTRI
“Parametric Body Shape Model of Standing Children Aged 3-11 years”
- Sheila Ebert, Research Area Specialist Lead, UMTRI
“Statistical Models for Predicting Automobile Driving Postures for Men and Women Including Effects of Age”
- John Sullivan, PhD, Associate Research Scientist, UMTRI
“Characteristics of Turn Signal Use at Intersections in Baseline Naturalistic Driving”
- 3:40-4:00 **Poster Awards & Closing Remarks**
- Poster Awards Presentation – Ray Bingham, PhD, Research Professor, UMTRI, U-M School of Medicine, Department of Psychiatry, and U-M School of Public Health, Department of Health Behavior and Health Education
- Closing Remarks – James Sayer, PhD, Director and Research Scientist, UMTRI