

TRB Truck and Bus Safety Committee (ANB70) Annual Meeting Sponsored Events Schedule

When: Sunday, January 23rd, 9:00AM – 5:00PM

Where: Marriott

What: Human Factors C: Virtual Vehicles--How Real Is Real Enough?

Presiding Officer: Burki-Cohen, Judith; Daggett, Larry L.

Description: Event No. 144C - This session provides a forum for practitioners in different transportation modes to share issues and solutions regarding necessary levels of simulator fidelity. Discussions will center on the challenges of designing simulators that ensure training transfer to the actual vehicle and, for research, validity, reliability, and generalizability while staying within budget.

When: Sunday, January 23rd, 9:00AM – 5:00PM

Where: Marriott

What: Human Factors G: "It Knows When You Are Sleeping"--Are Fatigue Models "Coming to Town" in Hours-of-Service Regulations?

Presiding Officer: Popkin, Stephen

Description: Event No. 144G- Several agencies of the U.S. Department of Transportation are writing new hours-of-service regulations. Fatigue models may be used in regulations to minimize fatigue, to determine unacceptable levels of fatigue, and to audit compliance. The workshop addresses model uses and needs, model validity, fatigue action levels, and model use.

When: Monday, January 24th, 8:00AM – 9:45AM

Where: Marriott, Park Tower Suite 8226

What: Motorcoach Safety Subcommittee

Presiding Officer: Littler, Charles Norman

When: Monday, January 24th, 10:15AM – 12:00PM

Where: Marriott, Park Tower Suite 8226

What: Truck and Bus Operator Health and Wellness Subcommittee

Presiding Officer: Krueger, Gerald P.

When: Monday, January 24th, 1:30PM – 3:15PM
Where: Marriott, Taft
What: Motor Carrier Alternative Compliance Joint Subcommittee
Presiding Officer: Bergoffen, Gene

When: Monday, January 24th, 3:45PM – 5:30PM
Where: Marriott, Taft
What: Truck and Bus Data Subcommittee
Presiding Officer: Lantz, Brenda

When: Tuesday, January 25th, 8:00AM – 9:45AM
Where: Marriott, Salon 3
What: Federal Motor Carrier Safety Administration's Analysis, Research, and Technology Programs, Part 1
Presiding Officer: Shelton, Terry T.
Description: Event No. 434 –
Presentations:

- Wireless Roadside Inspection Pilot Test: Prelim Findings ([P11-0611](#))
 - Loftus, Jeff , Federal Motor Carrier Safety Administration
- Update on CSA-2010 ([P11-0612](#))
 - Price, Bryan , Federal Motor Carrier Safety Administration
- Smart Roadside Initiative: Overview ([P11-0614](#))
 - Flanigan, Chris , Federal Motor Carrier Safety Administration

When: Tuesday, January 25th, 10:15AM – 12:00PM
Where: Marriott, Salon 3
What: Federal Motor Carrier Safety Administration's Analysis, Research, and Technology Programs, Part 2
Presiding Officer: Shelton, Terry T.
Description: Event No. 485–

Presentations:

- Effectiveness of Fostering Safety Culture in Motor Carriers ([P11-0615](#))
 - Goettee, David W, Federal Motor Carrier Safety Administration
- Data Quality Efforts in FMCSA ([P11-0610](#))
 - Benkowski, Betsy , Federal Motor Carrier Safety Administration
- Investigation into Motor Carrier Practices to Achieve Optimal CMV Driver Performance ([P11-0618](#))
 - Walker, Martin , Federal Motor Carrier Safety Administration

When: Tuesday, January 25th, 1:30PM – 5:30PM

Where: Marriott, Harding

What: Truck and Bus Safety Committee Meeting

Presiding Officer: Ticatch, Joel L.

When: Wednesday, January 26th, 9:30AM – 12:00PM

Where: Marriott, Salon 2

What: Truck and Bus Safety Research Poster Session

Presiding Officer: Schaudt, William A.

Presentations:

ANALYSIS OF THE RELATIONSHIP BETWEEN OPERATOR CUMULATIVE DRIVING HOURS AND INVOLVEMENT IN PREVENTABLE COLLISIONS ([11-4165](#))

Sando, Thobias , University of North Florida
Angel, Michelle , University of North Florida
Mtoi, Enock Thomas, Florida A&M University - Florida State University
Moses, Ren , Florida A&M University - Florida State University

Successful Fostering of Safety Culture in Small, Harder-to-Convince Motor Carriers ([11-3690](#))

Goettee, David W, Federal Motor Carrier Safety Administration
Spiegel, Walter , DecisionPath Consulting
Campanian, Carmella , The SAGE Corporation
Grill, Lew , The SAGE Corporation

Evaluation of Camera-Based Systems to Reduce Bus Side Collisions ([11-3667](#))

Kourtellis, Achilleas , University of South Florida
Lin, Pei-Sung , University of South Florida
Lee, Chanyoung , University of South Florida

Object Detection and Identification with Advanced and Commercially Available Camera/Video Imaging Systems ([11-3439](#))

Fitch, Gregory M., Virginia Tech Transportation Institute
Blanco, Myra , Virginia Tech Transportation Institute
Hanowski, Richard J., Virginia Tech Transportation Institute

INJURY RISKS IN COLLISIONS INVOLVING BUSES IN ALBERTA ([11-3404](#))

Rahman, Md. Matiur, University of Calgary, Canada
Kattan, Lina , University of Calgary, Canada
Tay, Richard , La Trobe University, Australia

Potential Causes of Driver Fatigue: Study on Transit Bus Operators in Florida ([11-3398](#))

Mtoi, Enock Thomas, Florida A&M University - Florida State University
Sando, Tobias , University of North Florida
Moses, Ren , Florida A&M University - Florida State University

Review of Australian Alternative Compliance Schemes [\(11-2909\)](#)

Mooren, Lori Elyse, University of New South Wales, Australia
Grzebieta, Raphael H, University of New South Wales, Australia

Evaluation of Fleet Road Safety Interventions [\(11-2900\)](#)

Darby, Phil , Napier University, United Kingdom
Quddus, Mohammed A, Loughborough University, United Kingdom
Murray, Will , Interactive Driving Systems, United Kingdom
Raeside, Robert , Napier University, United Kingdom
Ison, Stephen , Loughborough University, United Kingdom

Rear-end Crashes Involving Heavy Trucks: General Estimates System Crash Database

Analysis [\(11-2839\)](#)

Trimble, Tammy E., Virginia Tech Transportation Institute
Medina Flintsch, Alejandra , Virginia Polytechnic Institute and State University
Schaudt, William A., Virginia Tech Transportation Institute
Bowman, Darrell S., Virginia Tech Transportation Institute
Hanowski, Richard J., Virginia Tech Transportation Institute
Flanigan, Chris , Federal Motor Carrier Safety Administration

Tractor-Trailer Rollover Prevention: Effectiveness of Electronic Stability Control Systems [\(11-2422\)](#)

Woodrooffe, John , University of Michigan Transportation Research Institute

Development of Pilot Car Training and Certification Program for State of Alabama [\(11-1627\)](#)

Jones, Steven Lee, University of Alabama
Lindly, Jay K., University of Alabama
Wilkes, Mary Beth, University of Alabama

Multilevel Mixed-Effects Regression Model for Truck Collisions [\(11-1570\)](#)

Wang, Huili , Northwestern Polytechnical University
Jang, Kitae , University of California, Berkeley
Chan, Ching-Yao , University of California, Berkeley
Shi, Zhongke , Northwestern Polytechnical University

Development and Application of a Safety Evaluation Module to Mobility, Energy, and Emissions Analysis of Large Truck Transportation Alternatives [\(11-1548\)](#)

Samba, David , University of Virginia
Park, Byungkyu (Brian) , University of Virginia
Gardner, Brian , Federal Highway Administration

Analysis of Large-Truck Crash Severity Using Heteroscedastic Ordered Probit Models [\(11-1431\)](#)

Lemp, Jason , Cambridge Systematics, Inc.
Kockelman, Kara , University of Texas, Austin
Unnikrishnan, Avinash , West Virginia University

Development of Hardware-in-the-Loop Test Bed for Evaluating Truck Safety Systems [\(11-1376\)](#)

Donoughe, Kelly , Virginia Polytechnic Institute and State University
Rakha, Hesham , Virginia Polytechnic Institute and State University
Swanson, Wayne , Virginia Tech Transportation Institute
Park, Sangjun , Virginia Polytechnic Institute and State University
Bryson, Jared , Virginia Tech Transportation Institute

Distraction in Commercial Trucks and Buses Using Naturalistic Data [\(11-1226\)](#)

Hickman, Jeff , Virginia Tech Transportation Institute
Hanowski, Richard J., Virginia Tech Transportation Institute

What Difference Does a Commercial Driver's License Make? Commercial Motor Vehicle Driver History and Crash Involvements [\(11-0722\)](#)

Blower, Daniel , University of Michigan Transportation Research Institute
Kostyniuk, Lidia P., University of Michigan

Pavement Preservation – A Methodology To Assess And Improve The Performance Of Institutions

Enforcing Truck Overloading Limits [\(11-1249\)](#)

Dunkerley, Christian Eduardo, Inter-American Development Bank