

NHTSA Research Public Meeting Agenda

West Building Atrium, DOT Headquarters

Day 1: Wednesday, November 20, 2019

8:30 a.m.	8:50 a.m.	Introductory Remarks from NHTSA: Jack Danielson, Executive Director & Cem Hatipoglu, Associate Administrator for Vehicle Safety Research
8:50 a.m.	10:00 a.m.	<p>Advanced Driver Assistance Systems (ADAS): research on ADAS performance testing, tools, and methods for passenger and heavy vehicles</p> <ul style="list-style-type: none"> - NHTSA Draft Test Procedures for ADAS Research: Garrick Forckenbrock - ADAS Safety Performance Synthesis & Simulation: Rob Heilman - Radar Congestion Testing: Stephen Stasko - Safety Implications of Potential ADAS Sensor Degradation Over Vehicle Lifetime: Stephen Stasko
10:00 a.m.	11:10 a.m.	<p>Vulnerable and Other Road Users: research focusing primarily on pedestrian activities, but also bicyclist and motorcyclist safety as well as broader safety considerations in and around vehicles</p> <ul style="list-style-type: none"> - Pedestrian Protection – Crashworthiness: Jason Stammen - CIREN Pedestrian Pilot Study: Rodney Rudd - Pedestrian Distraction: Kristie Johnson - Effect of High Visibility Enforcement on Driver Compliance with Bicycle Safe Passing Laws: Kristie Johnson - Motorcyclists’ Attitudes on Using High Visibility Gear: Kathryn Wochinger, presented by Amy Berning - Motorcycle Conspicuity to Light Vehicle ADAS Capabilities – Rob Heilman
11:10 a.m.	12:00 p.m.	<p>Human Factors: research on various aspects of human interaction with advanced safety technologies and driving automation</p> <ul style="list-style-type: none"> - Driver Interaction with Driver Assistance Technologies: Elizabeth Mazzae - ADS and Legacy Vehicle Interaction: Christian Jerome - Transition of Control and Post-Transition Driver Performance in L3 Vehicles: Christian Jerome - Telltales and HMI Concepts in the Development of Trust and Mental Models in ADS: Thomas Fincannon - Exploring Driver Adaptation to Lower Levels of Automation: Thomas Fincannon - Older Drivers and Rearview Video Systems: Kathy Sifrit
1:00 p.m.	1:40 p.m.	<p>Vehicle Cybersecurity & Electronics: research on passenger vehicle and heavy vehicle cybersecurity as well as functional safety</p> <p>Automotive Cyber Resiliency Research: Art Carter Cybersecurity Vulnerabilities of Vehicle Sensors: Art Carter</p> <p>VRTC Capabilities and Applied Cybersecurity Research: John Martin Heavy Vehicle Cybersecurity: Alrik Svenson Hazard Analysis of Heavy Truck Platooning Concepts: Alrik Svenson</p> <p>Functional Safety Research: Paul Rau</p>
2:15 p.m.	3:50 p.m.	<p>Automated Driving Systems (ADS): research on occupant protection for alternative seating and ADS safety assessment methods and metrics</p> <ul style="list-style-type: none"> - FMVSS Considerations for Vehicles with ADS: Ellen Lee

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- Test Methodology for Test Track Testing: Frank Barickman, presented by Tim Johnson
- Development of Simulation Methods: Frank Barickman, presented by Tim Johnson
- Testing & Evaluation of Low Speed L4 Shuttles: Frank Barickman, presented by Tim Johnson
- Research on Candidate ADS Performance Measures: Frank Barickman, presented by Tim Johnson
- ADS Safety Assessment Metrics: Alrik Svenson, Tim Johnson
- ADS Testable Cases & Scenarios: Paul Rau
- Development of Tools and Methods to Record ADS Data During On-Road Testing: Sebastian Silvani
- Vulnerable and Disabled Road Users Research: Eric Traube, presented by Dee Williams
- ADS-Equipped Vehicle Occupant Kinematics:
Rear-facing Reclined: Jason Stammen
- ADS-Equipped Vehicle Occupant Kinematics
Forward-facing Reclined: Dan Parent
- Rear Seat Occupant Protection: Ellen Lee

Day 2: Thursday, November 21, 2019

8:30 a.m.	8:35 a.m.	Day Two Kickoff Remarks: Cem Hatipoglu, Associate Administrator for Vehicle Safety Research
8:35 a.m.	9:00 a.m.	Research Investigating Drugs and Driving: research related to the potential influence of drugs on the driving task and in crashes <ul style="list-style-type: none"> - Alcohol versus Other Drugs: Dereece Smither - Prevalence of Alcohol and Other Drug Use Among Motor Vehicle Crash Victims Admitted to Select Trauma Centers: Amy Berning - Feasibility of a Field Test for Detecting Drivers Impaired by Cannabis: Dereece Smither
9:00 a.m.	10:20 a.m.	Advanced Crash Test Dummies: research on crash dummies with a specific focus on work performed for the development of the THOR 50th percentile male <ul style="list-style-type: none"> - THOR 50th Male – Extended Overview: Dan Parent - THOR 5th Female: Ellen Lee - LODC 10 year old: Jason Stammen - WorldSID 50th Male: Kevin Moorhouse - WorldSID 5th Female: Kevin Moorhouse - BioRID: Kevin Moorhouse

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10:45 a.m.	11:45 a.m.	Departmental Vehicle-to-Everything (V2X) and Spectrum Activities: research related to cross-modal development, testing, and pilot deployment of connected vehicle technologies within the 5.9GHz band dedicated to transportation safety <ul style="list-style-type: none">- 5.9 GHz Transportation Safety Band Testing: Jim Arnold- Connected Vehicle Pilot Deployment Program: Jonathan Walker- V2X Deployment Activity in the US: John Harding- Sensor-Based Misbehavior Detection: Bob Kreeb- Driving Innovation CARMA: Govind Vadakpat- V2X Commercial Vehicle Research at FMCSA: Nicole Michel
11:45 a.m.	12:00 p.m.	Closing Remarks from NHTSA: James Owens, Acting Administrator