

Vehicle Technologies/Automated Driving Track as of March 4, 2022

Sunday, March 13, 2022

10:30 AM - 12:00 PM

Vehicle Technology: What Should the 21st Century State Motor Vehicle Code Look Like?

Moderator: Joanne Thomka - National District Attorneys Association

Speaker: Jennifer Morrison - Mazda North American Operations

Speaker: Brian Ursino, MBA - American Association of Motor Vehicle Administrators (AAMVA)

Speaker: Kathleen D. Klinich, PhD - University of Michigan Transportation Research Institute

Speaker: Joseph M. Colella, CPSTI - Juvenile Products Manufacturers Association

Vehicle technology across all levels of automation is pushing the envelope for a motor vehicle code developed when only humans controlled the car. Even with Level 2 driver-assistance technology, law enforcement and prosecutors may encounter situations not addressed by the current code. Are current laws sufficient to regulate remote operators or fully automated systems, especially when they are carrying minors or people who cannot protect themselves? Can you charge a remote operator with drunk driving? This panel will address the intersection of vehicle technology and traffic laws to identify the changes that may be necessary to address these issues and to prepare for new issues that develop when vehicle technology plays a role in vehicle operation.

Sunday, March 13, 2022

1:30 PM - 3:00 PM

One Size Does Not Fit All: Transportation Equity in the 21st Century

Moderator: Henry Greenidge

Speaker: Kyersten Siebenaler - EVNoire

Speaker: Nandi Taylor, MPH - University of NC at Chapel Hill

Join the discussion on transportation, mobility, and new vehicle technologies and how we can ensure equity with respect to expanding access and improving safety for all. Hear about crash protection for all ages, how to tailor educational programs regarding crash avoidance to all drivers, and how vehicle technology is evolving to be more equitable and accessible.

Sunday, March 13, 2022

4:00 PM - 5:00 PM

Look Who's Talking Now: Leveraging Transportation System Data for Real Time Communications

Moderator: Nadia Anderson, PhD - INRIX

Speaker: Lars Mueller, MSc. - Bosch

While benefits will be greatly expanded when widespread deployment of automated vehicles becomes a reality, vehicle-to-everything (V2X) communications still has applications in today's transportation system to ease congestion and idling, reduce carbon emissions, and increase the safety and efficiency of traffic systems. Discussions will include how leveraging traffic management system data in real time and combined traffic monitoring with V2X technology can connect and optimize information on traffic patterns, traffic lights, other vehicles, and emergency responders, as well as pedestrians and bicyclists, to communicate relative position, speed, and intended movements.

Monday, March 14, 2022

9:00 AM - 10:30 AM

Does That Vehicle See Me? Pedestrians & Vulnerable Road Users

Moderator: Kristin Kingsley - KKingsley Consulting: Auto Safety Strategies

Speaker: David Aylor - Insurance Institute for Highway Safety

Speaker: Jack Weast - Intel Corporation

Speaker: Rini Sherony - Toyota Motor North America

Fatalities among vulnerable road users remain alarmingly high with 6,205 pedestrians killed on U.S. roadways in 2019 alone. With recent advancements in sensor technologies that can now detect pedestrians, and soon others like pedalcyclists, the potential benefits of automatic emergency braking are expanding. Learn about the challenges and successes in development of the sensors specific for vulnerable road users.

Monday, March 14, 2022

10:45 AM - 12:15 PM

What Are You Looking At? The Importance of Driver Monitoring

Moderator: Mark Chung - National Safety Council

Speaker: Brian Ursino, MBA - American Association of Motor Vehicle Administrators (AAMVA)

Speaker: Eileen Herbers - VA Tech Transportation Institute

Speaker: David Aylor - Insurance Institute for Highway Safety

With increasing demands for attention from portable devices, infotainment systems, and in-vehicle technologies, keeping drivers engaged in the driving task is a challenge. Add to that a combination of complacency or misunderstanding the capabilities of a driver assistance system and there are many opportunities for error. Learn how driver monitoring systems can ensure that drivers eyes are on the road and they are sufficiently engaged in the driving task.

Tuesday, March 15, 2022

9:00 AM - 10:30 AM

You Say Potato, I say Potahto. Can't We All Just Have a Common Nomenclature?

Moderator: Dee Williams - NHTSA

Speaker: Jennifer Morrison - Mazda North American Operations

Speaker: Kelly Funkhouser - Consumer Reports

Speaker: Heidi Simon - National Safety Council

Speaker: Susan McMeen - NHTSA

Consumer acceptance and proper usage of vehicle technologies is greatly influenced by their understanding of what each system can do and what the role of the driver is when the system(s) is(are) enabled. A common nomenclature that is intuitive can help clear the confusion. Panelists will discuss efforts to develop a common nomenclature and highlight consumer-facing campaigns including the National Safety Council's "MyCarDoesWhat?" program.

Tuesday, March 15, 2022

10:45 AM - 12:15 PM

Are States & Localities Ready for Connected, Automated & Electric Vehicles?

Moderator: Kristin Kingsley - KKingsley Consulting: Auto Safety Strategies

Speaker: Joseph McLaine - Global Product Safety & Systems, General Motors

Speaker: Michael Mollenhauer - VA Tech Transportation Institute

Speaker: Jerry Quandt - IL Autonomous Vehicles Association (ILAVA)

Speaker: Gabby Benson - Drive Engineering

How are states preparing for the future of connected and automated vehicles? Infrastructure planning spans multiple years before implementation. Who is getting ready and how? Is there something we can use to measure and assess readiness? What additional considerations are there for rural communities when preparing for connected, automated, and electric vehicles? Infrastructure for all of these is significantly different from urban and suburban communities. Be a part of this discussion and find out what possibilities and challenges lie ahead regarding these vehicles.