

## PROGRAM OVERVIEW

## MONDAY, JULY 10, 2023

8:00 am to 12:00 pm

Pacific Time

**TRANSPORTATION RESEARCH BOARD FORUM IN PARTNERSHIP WITH ITS AMERICA AUTOMATED VEHICLE (AV) COMMITTEE**

By Invitation Only

1:30 to 5:00 pm

**BREAKOUTS**

- **150 - Not Another Standard Standards Workshop**
- **151 - Human Factors consideration of Tele and Remote Operation for AVs**
- **152 - Land Development as the Missing Link in AV Deployment: The Enabling Role of Real Estate, Zoning, and More**
- **153 - Workforce Development for 21st Century Automated Mobility**
- **154 - Policy Solutions to Scale AVs Now: Harmonizing Federal, State and Local Policy to Develop a Consensus National AV Framework**
- **155 - Interactive Traffic Management for Highly Automated Vehicles: A Multidisciplinary Challenge**

## TUESDAY, JULY 11, 2023

8:00 to 8:30 am

**ORIENTATION/WELCOME**

- **Jane Lappin**, Chair, Transportation Research Board Standing Committee on Road-Vehicle Automation and co-Founder of ARTS
- **Victoria Sheehan**, Executive Director, National Academies' Transportation Research Board
- **Jeffrey Tumlin**, Director of Transportation, San Francisco Municipal Transportation Agency

8:35 to 9:50 am

**PLENARY 1**

- **What the Pioneering Cities are Learning by Hosting Truly Driverless Ride-Hailing Operations**
  - **Dr. Steven Shladover**, University of California at Berkeley PATH Program (Moderator)
  - **Julia Friedlander**, Senior Manager, Autonomous Vehicles, Streets Division, San Francisco Municipal Transportation Agency
  - **Marisa Walker**, Executive Director, Institute of Automated Mobility, Arizona Commerce Authority
- **How "Duty of Care" Defines Society's Top-Level Safety Requirement for AVs**
  - **Chris Gerdes**, Professor, Stanford University
- **A User Centered Approach to Designing Future Self-Driving Transport Systems: Evidence from UK Public Trials and Engagement**
  - **Rebecca Posner**, Head of Social Behavioural Research, Centre for Connected and Autonomous Vehicles
- **Horizon Europe: Looking Ahead to Emerging European Connected, Automated Driving R&D Projects**
  - **Stephane Dreher**, Senior Manager, ERTICO - ITS Europe

## TUESDAY, JULY 11, 2023 (CONTINUED)

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10:00 to 10:25 am

*Pacific Time*

### MORNING BREAK

10:25 to 11:50 am

### PLENARY 2

- **Towards Realization of Automated Driving, RoAD to the L4 Project in Japan**
  - *Mr. Toshio Yokoyama, RoAD to the L4 Project Coordinator, The National Institute of Advanced Industrial Science and Technology (AIST)*
- **Automated Driving Technology for Consumer Vehicles – Building a Path Towards Zero Collisions**
  - *Erik Coelingh, Vice President, Zenseact*
- **Implementing Best Practices for Automated Driving Systems (ADS) Safety**
  - *Darcyne Foldenauer, Director, Automated Vehicle Safety Consortium (Moderator)*
  - *Laura Fraade-Blonar, Waymo*
  - *Bonnie Lin, Cruise*
  - *Dan Bartz, Volkswagen*
  - *Kevin Gay, Uber*
- **Power of the Platform: Uber’s Vision for a Safe, Efficient, and Delightful Hybrid Network**
  - *Noah Zych, Global GM Autonomous Mobility & Delivery, Uber*

11:50 am to 12:00 pm

### DAILY BREAKOUT ROUNDUP | MONDAY HIGHLIGHTS

- *Valerie Shuman, Principal, Shuman Consulting Group, LLC*

12:00 to 1:30 pm

### LUNCH

1:30 to 5:00 pm

### BREAKOUTS

- **250 - Enabling Technologies: A Peek Under the AV Hood**
- **251 - Safety-driven V&V and Assessment**
- **252 - Automation-Readiness of Cities**
- **253 - I Didn’t Fight the Law, We all Won: Compliance to Rules of the Road**
- **254 - Developing AV Regulatory Policy for TODAY**
- **255 - Defining Energy/Emissions Measurement and Testing in the C/AV Era**

5:00 to 7:00 pm

### NETWORKING RECEPTION AND POSTER SESSION

- *Tammy Trimble, Chair of Poster Session, Virginia Polytechnic Institute and State University*

## WEDNESDAY, JULY 12, 2023

8:00 to 10:00 am

*Pacific Time***PLENARY 3**

- **Keynote | Ann Carlson, National Highway Traffic Safety Administration**
  - *Ann Carlson, Acting Administrator, National Highway Traffic Safety Administration*
- **Keynote | Waymo**
  - *Trent Victor, Director of Safety Research and Best Practices, Waymo*
- **Keynote | Aurora Functional Safety**
  - *Yanbing Li, Senior VP of Engineering, Aurora*
- **Economic and Workforce Benefits of AV Trucking in California**
  - *Peter Leroe-Muñoz, General Counsel, Silicon Valley Leadership Group*
- **Delivering the Goods: ADS in Freight Applications**
  - *Bob Kreeb, Federal Motor Carrier Safety Administration (Moderator)*
  - *Mike Tien, Senior Policy Counsel, Aurora*
  - *Richard Steiner, Head of Policy and Communications, Gatik*
  - *Michelle Avary, VP Product Strategy & Government Affairs, Einride*
  - *Michael McGhan, Commercial Growth Lead, RRAI*
- **Legislative Update: 2023 Roundup and Looking Ahead to 2024**
  - *Ariel Wolf, Chair, Autonomous and Connected Mobility, Venable LLP*

9:50 to 10:00 am

**DAILY BREAKOUT ROUNDUP | TUESDAY HIGHLIGHTS**

- *Valerie Shuman, Principal, Shuman Consulting Group, LLC*

10:00 to 10:20 am

**MORNING BREAK**

10:30 am to 12:00 pm

**BREAKOUTS**

- **330 - Use, Disuse, and Misuse of Partially Automated Driving Systems**
- **331 - Global Comparative Automated Mobility Indicator Map**
- **332 - AV Laws Around the World: Who, What, Where, and Why?**
- **333 - Supporting Diversity, Equity, and Inclusion (DEI) with Automated Vehicles**
- **334 - AVs in Rural America: What Will It Take To Make This Work?**
- **335 - Impacts of Automation in the Supply Chain: Borders, Ports, Intermodal, and Last Mile**

12:00 to 1:30 pm

**LUNCH**

## WEDNESDAY, JULY 12, 2023 (CONTINUED)

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**1:30 to 5:00 pm**

*Pacific Time*

### BREAKOUTS

- **350 - Safety Assurance**
- **351 - Radical Collaboration: Cities' Role in Disruptive Mobility Technologies**
- **352 - Shark Tank: Some Risks That Could Slow AV Deployment**
- **353 - Choose Your Adopter: Redefining the AV Early Adoption Archetypes**
- **354 - Automated Freight and Trucking: Launch and Landing**
- **355 - National and Continental Strategy for Digital Infrastructure to Integrate Automation into Transportation**

**5:00 to 5:30 pm**

### AFTERNOON BREAK

**5:30 to 8:30 pm**

### BREAKOUTS

*5:30 to 7:00 pm*

- **371 - Data Exchanges Enabling the Future of Automation: Opportunities and Challenges**
- **372 - Managed Lanes: Incubator for AVs**
- **373 - Where Does This Bus Go? Learning about the Future of Transit Bus Automation through Research, Pilots, and Demonstrations**

*5:30 to 8:30 pm*

- **374 - Fighting for Safety: Defining Good On-Road Driving Through Wargaming**

**5:30 to 7:30 pm**

- **TRB Standing Committee on Innovative Public Transportation Services and Technologies (AP020)**

## THURSDAY, JULY 13, 2023

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**8:00 to 9:50 am**

### PLENARY 4

- **Keynote | On Behalf of the Secretary of Transportation**
  - **Vinn White**, Senior Advisor for Innovation, Office of the Secretary, U.S. Department of Transportation
- **Keynote | Current and Planned U.S. Department of Transportation Automated Vehicles Research and Development Activities**
  - **Dr. Robert Hampshire**, Deputy Assistant Secretary for Research and Technology, U.S. Department of Transportation
- **EU Regulation Panel**
  - **Guido Di Pasquale** (Moderator)
  - Video from **Maria Cristina Galassi**, EC - DG Grow
  - **Jessica Uguccioni**, Head of CAM Adoption Strategy, Centre for Connected and Autonomous Vehicles
  - **Elsa Lanuad**, Ministry of Ecological Transition, France
  - **Richard Damm**, President of the Federal Motor Transport Authority, KBA, Germany

## THURSDAY, JULY 13, 2023 (CONTINUED)

- **Infrastructure Issues/Opportunities Panel**

- *John Corbin*, Federal Highway Administration (Moderator)
- *Erika Kemp*, Director of Strategic Planning Division at the Texas Department of Transportation
- *Jen Duthie*, Senior Innovation Manager at Cintra
- *Sue Bai*, Chief Engineer, Chief of Data Business, Digital Service Development Division, Honda Motor Company

9:50 to 10:00 am

**DAILY BREAKOUT ROUNDUP | WEDNESDAY HIGHLIGHTS**

- *Valerie Shuman*, Principal, Shuman Consulting Group, LLC

10:00 to 10:20 am

**MORNING BREAK**

10:20 am to 12:25 pm

**PLENARY 5**

- **Keynote | A Fireside Chat with Aicha Evans**

- *Alan Ohnsman*, Senior Editor, Forbes (Moderator)
- *Aicha Evans*, Chief Executive Officer, Zoox

- **How Should Automated Driving be Regulated in the U.S.?**

- *Dr. Steven Shladover*, University of California at Berkeley PATH Program (Moderator)
- *William Wallace*, Associate Director of Safety Policy, Consumer Reports
- *Dr. Bernard Soriano*, Deputy Director, California Department of Motor Vehicles
- *Hilary Cain*, Vice President - Technology, Innovation, and Mobility Policy, Alliance for Automotive Innovation
- *Ryan Posten*, Associate Administrator for Rulemaking, National Highway Traffic Safety Administration

- **Capital's Role in the AV Revolution**

- *John Casesa*, Senior Managing Director Mobility Investment Banking, Guggenheim Securities, LLC (Moderator)
- *Tyler Duvall*, CEO and Co-Founder, Cavnue
- *Don Burnette*, CEO and Co-Founder, Kodiak Robotics
- *Jeff Miller*, Founder and Managing Partner, LMNT Ventures
- *Bobby Stevenson*, Co-Director of Private Investing, Franklin Templeton

- **Leading Business Journalists' Perspectives on the AV Industry**

- *Jane Lappin*, Chair, Transportation Research Board Standing Committee on Road-Vehicle Automation and co-Founder of ARTS (Moderator)
- *Alan Ohnsman*, Forbes Senior Editor
- *David Welch*, Detroit Bureau Chief at Bloomberg
- *Pete Bigelow*, Senior Reporter, Automotive News

## THURSDAY, JULY 13, 2023 (CONTINUED)

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12:25 to 12:30 pm

### CLOSING REMARKS

- *Jane Lappin*, Chair, Transportation Research Board Standing Committee on Road-Vehicle Automation and co-Founder of ARTS

1:30 to 3:30 pm

### U.S. DEPARTMENT OF TRANSPORTATION LISTENING SESSIONS