

## Symposium 2021 Breakout Session Title:

### B312: Preparing for AVs and Shared Mobility: How Critical is Connectivity?

#### Session Description

**How critical is connectivity to the long-term success of automated vehicles?** This session discusses how critical connectivity is to reach the many goals that we hope to achieve through automation: equity, safety, mobility, accessibility, environmental and energy sustainability, and economic development. You will hear from a variety of perspectives: OEMs; other private sector representatives; and federal, state, and local government agencies. Each will give their thoughts, and invite audience responses, on the importance and role of connectivity as it relates to automated vehicles, along with their own experiences and activities on the subject.

#### Goals, Objectives, and Outputs

- An understanding of the **current uses of connectivity** in the field and perspectives on how critical connectivity is to the success of automated vehicles from OEMs, automotive and telecommunications industries, users, and government agencies
- Discussion about **how to use connectivity** in the short term to achieve automation goals in the long term
- Understanding **the role of connectivity in ensuring safety** in mixed-flow environments that include automated vehicles and other transportation services, including public transit and micromobility devices
- **Best practices** from state DOTs, the primary infrastructure owner/operators, on their deployment and management of connectivity options
- Identification of potential areas for **further research** and investigation

#### Agenda

12:30pm

##### Introduction

Moderator: **Jane Lappin**

12:40pm

##### Breakouts in a Breakout

30 minutes of presentations, 30 minutes of audience feedback and discussion

Panel 1: OEM Perspectives

- Alliance for Automotive Innovation (**Anne Marie Lewis**)
- SAE (**Ed Straub**)
- Toyota (**Ed Bradley**)

Breakout audience discussion with panelists

Panel 2: Industry and User Perspectives

- AAA Traffic Safety Foundation (**David Yang**)
- Amazon (**Randy Iwasaki**)
- Econolite (**Abbas Mohaddas**)
- Qualcomm (**Jim Misener**)

Breakout audience discussion with panelists

Panel 3: Federal and Regional Perspectives

- USDOT (**Kevin Dopart**)
- Minnesota DOT (**Kristin White**)
- Utah DOT (**Blaine Leonard**)
- Virginia DOT (**Cathy McGhee**)
- Maricopa County, AZ (**Faisal Saleem**)

Breakout audience discussion with panelists

- 1:45pm**      **Summaries from breakout groups**
- 2:00pm**      **Full audience discusses lessons learned and potential future areas for research**
- 2:30pm**      **End of session**