

Symposium 2021 Breakout Session Title:
B210-Automated Shuttles and Buses for All Users

Session Contact/Organizers:

- Katie Turnbull, Executive Associate Director, Texas A&M Transportation Institute, Chair and Session Contact
- Cynthia Jones, Project Manager, DriveOhio
- Lily Elefteriadou, Professor, University of Florida

TRB Sponsor/Partner Committees (if any):

TRB Forum on Automated Vehicles and Shared Mobility

Session Description

Participants will learn the latest information on automated shuttles and buses, which continue to be demonstrated and deployed in downtown areas, university campuses, business parks, airports, and other areas. These services focus on enhancing mobility and accessibility on regular routes, proving first and last mile trips, and improving transportation options for individuals with disabilities. The session will share recent experiences with autonomous shuttles and buses and engage participants in discussing best practices, especially in addressing the needs of individuals using wheelchairs, those with limited or no eyesight, and those with other disabilities. This information will assist in evaluating this mobility option to help inform decision making, identify research needs, and support future deployments.

Goals/Objectives/Outputs

- Learn the latest on automated shuttle and bus demonstrations and deployments, including use by disabled individuals.
- Discuss opportunities and issues with deploying automated shuttles and buses in a post-pandemic environment, including meeting the needs of disabled individuals.
- Identify research needs, possible problem statements, and potential demonstrations and deployments.
- Discuss methods and opportunities for ongoing communication and collaboration.

Agenda

- **2:30 PM – 2:35 PM Welcome and Introductions**
- Katie Turnbull, Texas A&M Transportation Institute

- **2:35 PM – 3:50 PM Updates on Automated Shuttle and Bus Projects and Research Activities, Including Use by Disabled Individuals**
- One Linden, Columbus, Ohio – Jeff Kupko, Michael Baker International
- I-STREET, Gainesville, Florida – Pruthvi Manjunatha, University of Florida
- Arlington RAPID – Ann Foss, City of Arlington
- Rochester Minnesota Automated Shuttle – Michael Kronzer, Minnesota Department of Transportation
- Yellowstone National Park Automated Shuttle, Steven Suder, National Park Service

- Houston Metro AV Proving Grounds – Kimberly Williams, Metropolitan Transit Authority of Harris County
- CAV Forth – Achille Fonzone, Edinburgh Napier University
- Updates on Research Projects - Katie Turnbull, Texas A&M Transportation Institute, Justin Mason, University of Florida, and Rory Cooper, University of Pittsburgh

3:50 PM – 4:20 PM Questions and Interactive Discussion of Advancing Automated Shuttles and Buses for All Users

4:20 – 4:30 PM Next Steps and Follow-Up Activities

Related Sessions:

B104 – Advances in Automated Transit Buses