



TEXAS TECHNOLOGY TASK FORCE

April 27, 2020
Webinar Agenda

Join by Phone: 415-655-0003; Access Code: 476 601 447; Meeting Password: TechTaskForce1

Join Online: <https://txdot.webex.com/txdot/onstage/g.php?MTID=e91292bce7731c899a9a31feacdbe3831>

Objectives:

- 1) Discuss the benefits and challenges of electric vehicle adoption and charging infrastructure development.
 - 2) Highlight the role of technologies in the transportation response to the coronavirus
 - 3) Identify opportunities for Texas to address core technologies presented within a series of white papers
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12:30 PM | Call-in Period to Do Sound and Technology Check

1:00 PM | Introductions & Updates – Darran Anderson, TxDOT, C. Michael Walton, and UT Austin Research Team

1:10 PM | New Technology in Vehicle Electrification

Moderator: Steve Dellenback, SwRI

The evolution of electric vehicles holds substantial potential to alter many aspects of transportation. A full understanding of the science, infrastructure, and supply of these resources is vital for proper implementation. This session will focus on the benefits and challenges of electric vehicle adoption, the state of battery technology, and the infrastructure required to support a viable ecosystem. The Task Force will dive into a discussion related to the trends in battery technology, the move toward electric public transit systems, and charging infrastructure.

Ilias Behlharouak, ORNL

Andrew Higgins, CPS Energy

1:45 PM | Tech Utilization Plan: Case Studies Lessons Learned – UT Austin Research Team

The research team presents on the key case studies from around the country, synthesizes lessons learned, and provides an assessment of the two of the six most impactful technologies identified by the Task Force: 1) Automated Vehicles, and 2) Big Data and Cloud Computing.

2:00 PM | The Transportation and Technological Response to the Coronavirus

Moderator: Tom Lambert, Houston METRO

Transportation leaders discuss the impacts of the coronavirus to transportation operations and business, highlighting where technologies have played a pivotal role. In particular, panelists describe how data has been used to analyze traffic patterns and travel behaviors; the opportunity for automated vehicles, gig workers, and global logistics to manage emergency supply chains; and the lasting impacts to the future of transportation.

Avery Ash, INRIX

Bill Purvis, HEB

Kam Simmons, Doordash

Bill Fulton, Kinder Institute

2:45 PM | White Papers – UT Austin Research Team

The research team presents on major trends, technologies, and case studies:

- Safety Assessments for Autonomous Vehicles: Lessons Learned from the Aviation Industry
- Rural Challenges & Opportunities
- Workforce Impacts
- Data Privacy & Security

3:10 PM | Closing Remarks and Next Steps – Darran Anderson, TxDOT & C. Michael Walton, UT Austin

3:15 PM | Adjourn
