

Automated Vehicles Workshop



D-STOP THE UNIVERSITY OF TEXAS AT AUSTIN
CENTER FOR TRANSPORTATION RESEARCH

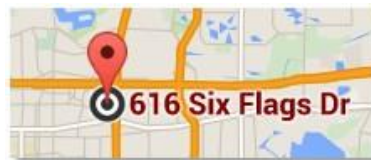


North Central Texas
Council of Governments

To Create Awareness and Share Information on Automated and Connected Vehicle Technology

The North Central Texas Council of Governments (NCTCOG) invites you to attend the 2017 Data-Supported Transportation Operations and Planning (D-STOP) Workshop on Automated Vehicles at NCTCOG offices in Arlington, TX. D-STOP is a U.S. Department of Transportation University Transportation Center at The University of Texas at Austin.

Monday, February 13, 2017
8:30 am – 12:00 pm



[Click here for map and directions.](#)

Advances in automated and connected vehicle technology are progressing at a rapid pace. Automated vehicles, connected infrastructure and new mobility services could have major transportation impacts.

UT Austin experts have been studying automated vehicles and connected technologies. They will share their research on the effects of these new technologies and answer questions at the workshop.

Please RSVP to Lisa Key at lkey@nctcog.org or (817) 608-2316.

Over →

For more information, contact Tom Bamonte at tbamonte@nctcog.org
or (817) 704-5604.

February 13, 2017

Automated Vehicles Workshop

Agenda

- **Introduction – Tom Bamonte, NCTCOG, Dr. Chandra Bhat CTR**

Session A: Dr. Chandra Bhat, Dr. Natalia Ruiz and James Kuhr present:

- **Connected and Autonomous Vehicles: The Enabling Technologies:** Just what is that thing on top of the Google Car? What does adaptive cruise control with lane assist mean? When are these things going to be ready? The answer to these questions and more in a technology overview that unravels just how these vehicles are going to work.
- **Activity Travel Impacts: What Happens When Food Can Deliver Itself?** Ridesharing services are already changing the transportation paradigm. If autonomous vehicles are introduced what other impacts could they have? Is traffic going to get better...or worse? We will cover potential impacts that begin on the roadway and lead to areas that could impact society tremendously.
- **Planning for a Connected and Autonomous Future:** How do we prepare for the next 40 years? Do we need to worry about this now? What do we know about the timeline? We will explore what we know now and what we need to consider going forward.

Q&A – Conversation with the research team and audience about technologies and preparing for the future.

BREAK: Technology Demo

Session B: Dr. Jennifer Duthie and Dr. Sanjay Shakkottai present:

- **The Value of Communication and Infrastructure for Automated Cars:** How do cars talk to each other? Is DSRC enough? Do we need to make our traffic lights talk back? This talk will feature an overview of Vehicle-to-Vehicle and Vehicle-to-Infrastructure communication, explain why it might be necessary and explore current market concerns involving security and privacy.
- **Data Confederation and Use:** What role will data play in connected and autonomous vehicles? What data sources are available to us? What are other entities doing with data? We will explore what other jurisdictions are doing and take time to focus on efforts in Texas to gather and analyze data for operational and planning efficiencies.

Q&A – Conversation with the research team and audience about technologies and opportunities for the DFW region.

For more information, contact Tom Bamonte at tbamonte@nctcog.org or (817) 704-5604.