

4th Annual Texas A&M Transportation Technology Conference



April 29–
May 1

Transportation Technology Conference

Learning from Research and Deployment



Stella Hotel • Bryan, Texas

1:30 p.m. – 4:30 p.m.

Workshops

Conference participants have the opportunity to attend one of the following workshops. An additional \$25 registration fee is required.

Workshop A: Low-Speed Autonomous Shuttles

This workshop covers planning, designing, implementing, operating and evaluating low-speed autonomous shuttles. Different contracting and deployment methods are discussed, and current pilots and demonstrations are highlighted. Examples of rider surveys and operational evaluations are presented. On-site demonstrations of low-speed autonomous shuttles are planned during the workshop and the conference.

Workshop B: Transportation Blockchain Applications

The purpose of this workshop is to introduce the transportation community to blockchain technology and to discuss recent advances and potential use cases in transportation including mobility, tolling, logistics, and supply chain. This workshop will investigate how this emerging technology could transform mobility, facilitate micropayments, revolutionize cybersecurity and insurance, and enable trusted M2M communications without requiring a trusted third party.

The workshop will include presentations from leading experts in the cross section of blockchain and mobility and provide an open forum for participants to discuss future opportunities and implementation issues and challenges. The expected outcome of this session will be a list of research needs and opportunities.

5:30 p.m. – 6:30 p.m.

Welcome Reception

Dinner on your own

TUESDAY, APRIL 30

7:00 a.m. – 8:00 a.m. **Breakfast**

8:00 a.m. – 9:45 a.m. **Opening Session**

Moderator: Katie Turnbull, *Texas A&M Transportation Institute*

Conference Welcome

Greg Winfree, *Texas A&M Transportation Institute*

Highlights of Recent Texas A&M Transportation Technology Projects

Wrong-Way Driving

Melisa Finley, *Texas A&M Transportation Institute*

GM Challenge

Alireza Talebour, *Texas A&M University, Zachry Department of Civil Engineering*

Smart Intersection

Srinivasa Sunkari, *Texas A&M Transportation Institute*

Smart Work Zones

Bob Brydia, *Texas A&M Transportation Institute*

State Updates

Darran Anderson, *Texas Department of Transportation*

Tom Byron, *Florida Department of Transportation*

Jim Barna, *DriveOhio*

9:45 a.m. – 10:15 a.m. **Break**

10:15 a.m. – Noon

General Session — Infrastructure and Vehicles

Moderator: Sue Chrysler, *Texas A&M Transportation Institute*

Highway Signing and Marking Infrastructure
Andy Dubner, *3M*

Tolling Infrastructure and Testing
Joe Mullis, *Neology*

Opportunities and Challenges in Applying V2X to ITS
Hongsheng Lu, *Toyota*

Noon – 1:30 p.m.

Lunch

Moderator: Beverly Kuhn, *Texas A&M Transportation Institute*

Update on the Texas A&M University System's RELLIS Campus
Kelly Templin, *The Texas A&M University System*

Update on the Army Futures Command
Bill Stockton, *Texas A&M Transportation Institute*

1:30 p.m. – 3:00 p.m.

General Session — User Perspectives

Moderator: Pete Bigelow, *Automotive News*

Not-So-Autonomous Cars: Public Acceptance of Vehicles at ASE Levels 1–3
Johanna Zmud, *Texas A&M Transportation Institute*

User Acceptance of Automated Vehicle Features
Kristin Kolodge, *J.D. Power*

The Future of Automation in the Rental Car Fleet
Jeff Kaelin, *Avis Budget Group*

3:00 p.m. – 3:30 p.m.

Break

3:30 p.m. – 5:00 p.m.

General Session — Truck Automation

Moderator: Sherry Pifer, *Texas Department of Transportation*

I-10 Corridor Project

Allan Rutter, *Texas A&M Transportation Institute*

Automation Technology for Trucking

Alden Woodrow, *Ike*

Connected Forests — Truck Automation in Forestry

Edouard Proust, *FP Innovations*

Lane Keeping and Cruise Control for Truck Automation

Sri Saripalli, *Texas A&M University*

5:30 p.m. – 6:30 p.m.

Reception, Posters and Demonstrations

Stella Hotel

6:30 p.m. – 8:00 p.m.

Dinner — Texas Cookout

Stella Hotel — Backyard

WEDNESDAY, MAY 1

7:00 a.m. – 8:00 a.m.

Breakfast

8:00 a.m. – 9:45 a.m.

General Session — Safety and CAVs

Chris Poe, *Texas A&M Transportation Institute*

Safety of CAVs

Steve Shladover, *University of California Berkeley PATH*

Autonomous Trucks: Designing for Safety

Jordan Coleman, *Kodiak Robotics*

Driver Safety Training for L2/L3 Automation

Charlie Klauer, *Virginia Tech*

Maturity Safety Testing

Joe Henry, *Lone Star Unmanned Aerial Systems, Center of Excellence and Innovation, Texas A&M Engineering Extension Service*

9:45 a.m. – 10:15 a.m.

Break

10:15 a.m. – 11:45 a.m.

General Session — Pilots and Deployments

Moderator: Ed Seymour, *Texas A&M Transportation Institute*

SPaT Corridor Deployments in Georgia

John Hibbard, *Georgia Department of Transportation*

Tampa Connected Vehicle Pilot

Stephen Novasad, *HNTB*

New York City Connected Vehicle Pilot

Bob Rausch, *TransCore*

Texas Connected Freight Corridors

George Villarreal, *Texas Department of Transportation*

WEDNESDAY, MAY 1

11:45 a.m. – Noon

Closing Session

Closing Comments

Katie Turnbull and Greg Winfree, *Texas A&M Transportation Institute*

Noon

Boxed Lunches Available

Noon – 2:30 p.m.

Texas A&M Transportation Technology Advisory Council Meeting *(by invitation)*

1:00 p.m. – 2:30 p.m.

Tour and Demonstration of RELLIS Campus Technology, Research, Facilities and Projects

- **Smart Intersection**, which alerts pedestrians and bicyclists of turning buses
- **Advanced Tolling**
- **Visibility Laboratory**

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