Texas A&M Transportation
Technology Conference

Annenberg Presidential Conference Center
George Bush Presidential Library Complex

1002 George Bush Drive W.
College Station, Texas
SUNDAY, MAY 1

5:30 p.m.  Reception
6:30 p.m.  Dinner

Presider
John Barton
Assistant Vice Chancellor, Texas A&M Engineering Experiment Station

Welcome
M. Katherine Banks
Vice Chancellor and Dean of Engineering, Texas A&M University
Director, Texas A&M Engineering Experiment Station

Austin Smart Cities Initiative
The Honorable Steve Adler
Mayor, City of Austin

MONDAY, MAY 2

7:45 a.m.  Breakfast

Presider
Ginger Goodin
Director, Transportation Policy Research Center
Texas A&M Transportation Institute

Texas Transportation Landscape and Opportunities
Victor Vandergriff
Member, Texas Transportation Commission

9:00 a.m.  Opening Session

Presider
Katie Turnbull
Executive Associate Director, Texas A&M Transportation Institute

Welcome
Karan Watson
Provost and Executive Vice President, Texas A&M University

9:15 a.m.  Toward Connected and Automated Vehicles
Allie Medack
Chief of Staff, Global Public Policy
General Motors
9:45 a.m.  Break

10:00 a.m.  Technology Sessions

Presider
Dennis Christiansen
Agency Director, Texas A&M Transportation Institute

TTI/Texas A&M Transportation Technology Initiatives

Opening Video Presentation
Texas A&M Transportation Institute

Future of Transportation and Technology at Texas A&M
John Sharp, Chancellor, The Texas A&M University System

Texas A&M Transportation Technology Advisory Council
David Laney, Chairman, LBJ Infrastructure Group
Council Co-Chair

Role of Infrastructure Organizations in Deploying Transportation Technologies
Mary E. Peters
Principal, Mary E. Peters Consulting Group
Former Secretary, U.S. Department of Transportation

Collaborative Opportunities in Commercial Vehicle Safety Technologies
Steve Boyd
Vice President/Founder
Peloton Technologies

Automotive Innovation: Global Scope, Local Impact
Tom Stricker
Vice President, Technical/Regulatory Affairs and Energy/Environmental Research
Toyota Motor North America

11:45 a.m.  Lunch

Presider
Karl Hedrick
Professor, Texas A&M University

Smart Mobility and Transportation as a System
Reuben Sarkar
Deputy Assistant Secretary for Transportation
U.S. Department of Energy
1:15 p.m. Panel Discussions

Steps Toward Transportation Technology Research and Deployment: Collaborative Opportunities — Private Sector Perspective

**Moderator**
Ed Seymour
Associate Agency Director, Texas A&M Transportation Institute

David Agnew
Director of Advanced Engineering
Hyundai MOBIS North America

Curt Moore
General Manager, Automotive Processors, Texas Instruments

Jeff Sass
Senior Vice President, Navistar

Frank Sgambati
Director of Marketing and Product Innovation, BOSCH

George Ayres
Associate Partner, Global Business Services, IBM Corporation

2:15 p.m. Steps Toward Transportation Technology Research and Deployment: Collaborative Opportunities — National Stakeholders’ Perspective

**Moderator**
Christopher Poe
Assistant Agency Director, Texas A&M Transportation Institute

Jeff Lindley
Associate Administrator for Operations
Federal Highway Administration

Kirk Steudle
Executive Director, Michigan Department of Transportation

Neil Pedersen
Executive Director, Transportation Research Board

Phil Caruso
Associate Executive Director for Technical Programs
Institute of Transportation Engineers

3:15 p.m. Action Plan for the Future

Dennis Christiansen
Agency Director, Texas A&M Transportation Institute
MONDAY, MAY 2 (CONTINUED)

3:30 p.m. Break

4:00 p.m. Demonstrations

Technology Showcase/Displays
Texas A&M Automated and Connected Vehicles
Center for Autonomous Vehicles and Sensor Systems (CANVASS)
Texas A&M Bus Equipped with the Mobileye Shield+
Collision Avoidance System

Tour of George Bush Presidential Library and Museum

5:30 p.m. Reception
George Bush Presidential Library and Museum

Freight Shuttle
Steve Roop
Assistant Agency Director, Texas A&M Transportation Institute

Hyperloop Pod Design
Texas A&M Hyperloop Design Challenge Finalist Team

TUESDAY, MAY 3

Campus Technology Showcases with Students
Rudder Tower, Suite 302
401 Joe Routt Boulevard • College Station, Texas

7:30 a.m. Breakfast

8:00 a.m. Welcome
P.R. Kumar
*Distinguished Professor, Texas A&M University*

8:15 a.m. Industry Panel

Gary Duncan
*Chief Technology Officer, Econolite*

Steve Dellenback
*Vice President Research and Development*
*Southwest Research Institute*

Kevin E. Kautzman
*Director, Telecommunications–Technology Services*
*BNSF Railway*

Ravi Puvvala
*Chief Executive Officer, Savari, Inc.*

Dave Agnew
*Director of Advanced Engineering, Hyundai MOBIS North America*
9:45 a.m. **Student Presentations Panel #1**

- Development of a Lane Change Assistance System in Highway Driving  
  Serdar Coskun  
  *Mechanical Engineering*

- Using the Connected Vehicles to Address Wrong-Way Drivers  
  David Florence  
  *Civil Engineering*

- Detection of Unintended Acceleration  
  Hongtao Yu  
  *Mechanical Engineering*

- Urban Heartbeat: Learning Driver and Traffic Patterns  
  Syed Ali Hasnain  
  *Computer Engineering*

- Naturalistic Lane Keeping System  
  Zheren Zhou  
  *Mechanical Engineering*

10:35 a.m. **Break**

11:00 a.m. **Student Presentations Panel #2**

- Assessing Environmental Impact of Truck Platooning on Freeways with Lane Restriction Policy and Imperfect Wireless Communication  
  Apoorba Bibeka  
  *Civil Engineering*

- Particle Filtering for Robust Physiological Monitoring in Noisy Conditions  
  Viswam Nathan  
  *Computer Engineering*

- Switch or Not? Scheduling Algorithms for Delay Reduction in Connected Vehicle Networks with Switch Over Delay  
  Ping-Chun Hsieh  
  *Electrical Engineering*

- Validation of Drivers’ Aggressiveness Distribution Using Naturalistic Data  
  Qingyu Zhang  
  *Mechanical Engineering*

11:45 a.m. **Closing Remarks**

  Karl Hedrick  
  *Professor, Texas A&M University*

12:00 p.m. **Lunch**
We would like to extend a special thank you to the following sponsors of the Texas A&M Transportation Technology Conference.