**Track A: CAV Impacts**

**Monday, June 10, 2019 (Room: TBA)**

Track Chair: Zhanmin Zhang, University of Texas at Austin

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### A Look at the Future of CAVs

**Moderator:** Paul Avery, AECOM

#### 1:30 to 3:00 PM

- **The Future of Transportation**, Mike Pina and Kenneth M. Leonard, U.S. Department of Transportation
- **CAVs for the Tolling Industry & Managed Lanes**, Lev Pinelis, Transurban
- **Advancing the National Conversation on Highway Automation**, John Corbin, FHWA
- **VDOT’s Perspectives on Connected Automation**, Cathy McGhee, Virginia DOT
- **Effects of Automated and Connected Vehicle Systems on Transportation Planning and Infrastructure**, Paul Avery and Krishna C. Patnam, AECOM

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### New Energy and CAVs

**Moderator:** TBA

#### 3:30 to 5:00 PM

- Presentation TBA, Alicia Gilde, CALSTART (Invited)
- Presentation TBA, Michael Hughes, ChargePoint (Invited)
- Presentation TBA, Zack Kahn, BYD (Invited)
- **Hydrogen Fueling System Challenges and Opportunities for the Fully Automated Vehicles**, Seyedali Ghahari and Shabnam Ghotbi, Purdue University; Lateef Assi, SCDOT

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Preliminary Program Draft – Subject to Change
Track A: CAV Impacts

Tuesday, June 11, 2019 (Room: TBA)

Track Chair: Zhanmin Zhang, University of Texas at Austin

1:30 to 3:00 PM

Sensors, Big Data and Analytics for CAV’s
Moderator: Chandra Bhat, University of Texas at Austin

- Understanding the Network-Level Impacts of CAVs through Data Analysis and Visualization, Natalia Ruiz-Juri, University of Texas at Austin
- Extracting New Data Streams from Connected Vehicles, Christian Claudel, University of Texas at Austin
- Clustering based Online Coordinated In-Vehicle Routing for CAVs Built upon Understanding the Competition Potential among travelers on Network Route Resources, Lili Du, University of Florida
- Modeling Individuals’ Willingness to Share Trips with Strangers in an Autonomous Vehicle Future, Chandra Bhat, University of Texas at Austin
- Mobility and Safety in an Era of Automation and Connectivity, Srinivas Peeta, Georgia Tech

3:30 to 5:00 PM

Info & Communications Tech for CAV’s
Moderator: Michael Brown, SwRI

- Digitizing Infrastructure for Sustainable Real-World Deployment of Automated Vehicles, Joah Sapphire, GDG
- Certification of CAV ICT Systems, Jason Conley, OMNIAIR Consortium
- Virtual Activity and Physical Activity Interactions in a CAV Landscape, Chandra Bhat, University of Texas at Austin
- Testing CAVs on Transurban’s Express Lane Network, Patrick Chuang, Transurban
- Communications for Connected Transportation - Selecting the Right Wireless Technology and Frequency Spectrum, Girija Subramaniam, Forcing Function LLC

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9:15 to 10:45 AM  **Financial, Legal, and Policy Issues for CAV’s**  
*Moderator: Matt Smith, Michael Baker*

- The Impacts of Automated Vehicles on Fuel Taxes, Jeff Kupko, *Michael Baker*
- Ownership Challenges of Multi-jurisdictional Technology Implementation Projects, Megahn O’Callahagn, *City of Dublin, Ohio*
- Show Me the Money! - The Latest Thinking in Revenue Sources and Value Capture for Transportation Assets, Jesse Lund, *Deloitte*

11:00 AM to 12:30 PM  **V2X: DSRC, Cellular and 5G Options**  
* Moderator: TBA*

- V2X: DSRC, Cellular and 5G Options, Jim Misener, *Qualcomm*
- Verizon’s 5G Communications System and Implications for Civil Engineers Planning New Transportation Infrastructure, Red Smith, *Kirsentech (Invited)*
- How 5G will Power Smart Mobility, Farah Lalalani, *Accenture (Invited)*
- M City - Testbed for DSRC and 5G (Invited)