Track D: Planning & Development

Monday, June 10, 2019 (Room: TBA)

Track Chair: Jessie Jones, Arkansas DOT

1:30 to 3:00 PM

Planning for Smart Cities - Public Sector's Perspective
Moderator: TBA

- Planning for Smart Cities - City Level, Cynthia Jones, DriveOhio
- Planning for Smart Cities - State Level, Roger Cohen, PennDOT
- Planning for Smart Cities - Federal level, Brian Cronin, USDOT
- Challenges and Solutions, Ray Derr, Transportation Research Board

3:30 to 5:00 PM

Smart Cities – Case Studies
Moderator: TBA

- Case Study - Kansas City, Missouri, David Young, Kansas City
- Municipal and Regional Initiatives for Smart Transportation Systems, Ben Mandel, CALSTART
- Designing Smarter Buses for Smarter Cities, Chao Xue, Gillig, Bus Company
- Using Emerging Trends in Big Data and Natural Capital Scarcity to Improve Operability and Gain Competitive Advantage for both Public and Private Sector Entities, Maureen Koetz, Sustainability Executive and Consultant
- Presentation Title TBA, Robert Mandle, Crystal City Business Improvement District

Preliminary Program Draft – Subject to Change
**Track D: Planning & Development**

**Tuesday, June 11, 2019 (Room: TBA)**

Track Chair: Jessie Jones, Arkansas DOT

---

### 1:30 to 3:00 PM

**Integrating MAAS into Smart Cities**

Moderator: TBA

- **Mobility—and Food On Demand**, May-Ying Nie-Medalia, Uber Eats
- **Connected and Automated Transportation Strategies for Mobility as a Service to Cities**, Johnanna Zmud, Texas A&M Transportation Institute
- **Installation neXt (IX) & Mobility Transformation**, LtCol Brandon H. Newell, US Marine Corps
- **Using Smart Data to Plan and Develop Smart Transit Systems**, Bethany Whitaker, Nelson-Nygaard

---

### 3:30 to 5:00 PM

**Can We Be Smart, Safe and Secure at the Same Time?**

Moderator: TBA

- **Impacts of Adaptive Cruise Control Vehicles on Traffic Stability**, Raphael Stern, George Gunter, and Daniel Work, Vanderbilt University
- **Malfunction or Cyber Attack**, Joe Weiss, Applied Control Solutions
- **Electric vehicle Charging Infrastructure Cybersecurity**, Kevin Heaslip, Virginia Tech
- **Multi-Objective Longitudinal Velocity Control for Autonomous Driving**, Meixin Zhu and Yinhai Wang, University of Washington

---

Preliminary Program Draft – Subject to Change
9:15 to 10:45 AM

**Leveraging Data to Make Us Smarter**

**Moderator:** TBA

- **Leveraging Data and Technology to Improve Curb Ramps in Virginia**, Ning Li, VDOT
- **Activating Big Data for Active Transportation with a Statewide Data Platform**, Naveen Juvva, StreetLight Data; Brian Bulaya, Caltrans
- **A New Paradigm - Mobility Energy Productivity**, Stan Young, Venu Garikapati, and Yi Hou, National Renewable Energy Lab (NREL)
- **Coding the Curb**, Stephen Smyth, Coord

11:00 AM to 12:30 PM

**Smart Ideas for Today & Tomorrow**

**Moderator:** TBA

- **Urban Land Use and Transportation: Implications for Civil Engineers and Architects**, Shannon Sanders McDonald, Southern Illinois University
- **Anti-Corruption Activities in Infrastructure Project Delivery by Implementing Technology**, Seyedali Ghahari, Samuel Labi, and Shabnam Ghotbi, Purdue University; Cesar Queiroz, Roads and Transport Infrastructure; Majed Alinizzi, Qassim University
- **Smart Cities Powered by Smart Utility Planning**, Chengbo Ai, University of Massachusetts Amherst; Sheldon Qiu, Beihang University; Bo Xue, Global Data Communication; Yongjun Chen, Beijing University
- **Assessing the Effects of Fully Automated Vehicle Fleet on Geometric Design**, John Khoury, Lebanese American University
- **Laying the Ground Rules: How Cities Can Foster Cooperative Automation**, Paul Avery and Krishna Patnam, AECOM

Preliminary Program Draft – Subject to Change