### Technical Program Schedule

**Monday, June 19**

**MONDAY, 10:30 AM to 12 NOON**

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<th>TRACK: A</th>
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<tr>
<td>Room: Las Palmas &amp; Marseilles</td>
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#### 2A: Data Collection Using GPS, Wi-Fi, and Drones
- **Moderator:** Don Murphy, IBI Group
- **Presenters:**
  - Darlene Danehy: Paonas - Lessons Learned in the Use of Drones for Parking Studies
  - Michelle Beckley: Lee Engineering - Origin-Destination of U.S. Bound Visitors from an Arizona Port of Entry
  - Joan Lim: StreetLightData - The Questions Big Data Can Answer: Commercial Travel Analysis

#### 2B: ITE Transportation Systems Management & Operations Council: Smart Communities
- **Presenters:**
  - Carlos Ortiz: ADVANTEC Consulting Engineers
  - John Lower: Iteris

#### 2C: Planning for Active Transportation and Complete Streets
- **Moderator:** Kris Millster, Traffic Technology Services
- **Panel Discussion with:**
  - Sasha Jovanovic: Chen Ryan Associates - Quantifying Multimodal Performance for Long-range Planning
  - Ryan Zellers: Michael Baker International - Establishing a Methodology for a Comprehensive Active Transportation Strategy
  - Ian Barnes: Fehr & Peers - Getting There on Time: Why Travel Time Reliability Isn't Just for Drivers
  - Min Zhou: KOA Corporation - Feasibility of Cycle Tracks, Buffered Bike Lanes and Bicycle Boulevard in Pasadena

#### 2D: Safety Considerations for Intersections and Crosswalks
- **Moderator:** Dan Nell, Econolite
- **Presenters:**
  - David Soto Padin: Portland State University - Surrogate Safety Measures for Uncontrolled Crosswalks in Oregon
  - Faisal Hamood: San Francisco Municipal Transportation Authority - Innovations in Lighting for Pedestrian Safety and Walkability

#### 3A: Connected and Autonomous Vehicles
- **Moderator:** Carlos Ortiz, ADVANTEC Consulting Engineers
- **Presenters:**
  - Doug Gettman: Kimley-Horn - Update on Automated Vehicle Initiatives Around the World
  - Leo Lee: ADVANTEC Consulting Engineers
  - Elliott Huang: Fehr & Peers, Fleet Penetration of Automated Vehicles - A Micromodel Simulation Analysis

#### 3B: Shrinkability of Roundabouts
- **Moderator:** Lindsey Van Parys, Omni-Means
- **Presenters:**
  - Brian Walsh: Washington State DOT - Can Adjusting the Shape or Size of a Roundabout Alternative Save an Intersection?
  - Phil Rust: City of San Diego - Re-purposing the Pavement of an Urban Intersection
  - Rich Deal: City of Monterey - Tale of Two Closely Spaced and Significantly Different Diameter Roundabouts

#### 3C: Measuring & Reporting Regional Travel Characteristics
- **Moderator:** Mahmoud Ahmad, Iteris
- **Presenters:**
  - Rick Curry: SANDAG - San Diego Region Mesoscopic Model Development
  - Maria Vyas: Fehr & Peers - Mega-corridor Planning for an Uncertain Future
  - Billy Park: WSP Parsons Brinckerhoff - Does the Difference Method Always Work for Travel Demand Forecasting?
  - Ali Gholami: Unv. of Nevada, Reno - Lessons Learned from Development of a Dynamic Traffic Assignment Model for Northern Nevada

#### 3D: Statewide and Regional Safety Studies
- **Moderator:** Kevan Shafizadeh, CSU Sacramento
- **Presenters:**
  - Mohammedreza Hashemi: University of Hawaii at Manoa - Analysis of Roadway Departure Crashed Contributing Factors Based on Classification and Regression Trees
  - Scott Kelley: Ameo Foster Wheeler - How Safe are the Streets in Your Region?
  - Grant Schultz: Brigham Young University - Zero Fatalities: Applying the Roadway Safety Analysis Methodology in Utah
  - Devin Moore: Kimley-Horn - Driver-Related Safety Countermeasures From 41 Workshops

#### 4A: Connected and Autonomous Vehicles: Implications for Agencies
- **Moderator:** Edgar Perez, Parsons
- **Presenters:**
  - Amy Pond: Kittelson & Associates - Self-Driving Books - How Our Practices will Change with Connected Vehicles
  - Sam Morrissey: Iteris - Agency Implications of Connected and Autonomous Vehicles
  - Lauren Isaac: EasyMile - How Local Governments can Plan for Driverless Vehicles Penetration of Automated Vehicles

#### 4B: Complete Streets: Planning Considerations
- **Moderator:** Jennifer Rosales, City of San Clemente
- **Presenters:**
  - Devin Moore: Kimley-Horn - Prioritizing Complete Streets - Master Planning
  - Megan Hoyt: Seattle DOT - Road Diets Serving the Community
  - Jesse Manning: Rhythm Engineering - Complete Streets Considerations in the Intersection of the Future
  - Eduardo Serafin: UC Berkeley ITS Technology Transfer Program - Complete Streets Safety Assessments for Local Agencies/Tribal Governments in California

#### 4C: Travel Forecasting With and Without Models
- **Moderator:** John Keating, Linscott Law & Greenspan
- **Presenters:**
  - Joe Totten: Portland State University - Cross-Elasticities in Frequencies and Ridership for Urban Transit Routes
  - Joan Lim: StreetLightData - Using Big Data for Statewide Models: Lessons from Colorado
  - Wu Sun: SANDAG - Calibration and Validation of an Activity-based Model
  - Don Hubbard: WSP Parsons Brinckerhoff - Over the Edge - Forecasting Beyond the Boundaries of the Regional Model

#### 4D: Vision Zero and Other Safety Programs
- **Moderator:** Keith Rand, ADVANTEC Consulting Engineers
- **Presenters:**
  - Hans Larsen: City of Fremont, CA - Fremont Vision Zero 2020 - Swedish Levels of Safety in a Silicon Valley Suburb
  - Kevin Chang: University of Idaho - Safety Data Management and Analysis: Addressing Our Continuing Education Needs
  - John Lower: Iteris - Every MPH Counts - Setting Speed Limits for All Users
  - Brian Genovese: City of San Diego - Improving Safety for Active Transportation in San Diego
## Technical Program Schedule

### TUESDAY, 8:30 AM TO 10:00 AM

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<tr>
<td>Moderators:</td>
<td>Adam Lyons, Iteris</td>
<td>Dawn Wilson, STC Traffic</td>
<td>Ray Davis, RED3 Consulting</td>
<td>Josh McNeill, Iteris</td>
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### TUESDAY, 10:30 AM TO 12 NOON

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<td>Presenters:</td>
<td>Kevin Aguiqui, Kimley-Horn - Preparing Downtown San Rafael for the SMART Commuter Rail System</td>
<td>Alejandro Henao, University of Colorado - Impacts of Ridesourcing on VMT, Mode Replacement, and Travel Behavior</td>
<td>Jonathan Dong, City of Seattle - Making Communities Better Through Transit: Speed and Reliability Spot Improvements</td>
<td>Nathan Schmidt, Fehr &amp; Peers - SANDAG's Unified Safe Routes to Transit Planning for the San Diego Region</td>
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### TUESDAY, 2:00 PM TO 3:30 PM

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<td>Moderators:</td>
<td>Tom Stiles, Intelight ITS</td>
<td>Tracy Monya, ADVANTEC Consulting Engineers</td>
<td>Freedy He, STC Traffic</td>
<td>Josh McNeill, Iteris</td>
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**Technical Program Schedule**

**Wednesday, June 21**

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<tr>
<td>8A: Ramp Metering and Toll Collection Strategies</td>
<td>8B: Roundabout Planning and Operations</td>
<td>8C: What’s New in Planning in the West?</td>
<td>8D: Safety at Traffic Signals</td>
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<td>Moderator: Justin Link, Kimley-Horn</td>
<td>Moderator: Ben Waldman, Stantec</td>
<td>Moderator: Edgar Perez, Parsons</td>
<td>Moderator: Ryan Germeroth, Town of Castle Rock, CO</td>
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| **WEDNESDAY, 10:30 AM to 12 NOON** | **9A: Traffic Signal Systems for Small Cities** | **9B: Complete Streets: Sample Projects** | **9C: Bridges, Tunnels, and Freeways** | **9D: Traffic Control Devices** |
| **Moderator:** | **Moderator:** | **Moderator:** | **Moderator:** |
| Jay Dinkins, City of Santa Monica | Eduardo Serafin, UC Berkeley ITS Technology Transfer Program | Erik Zandvliet, City of Manhattan Beach | Joe Shultz, Rick Engineering Company |
| Steve Fitzsimmons W-Trans - Traffic Signal Systems for Small Cities | James Bittner City of San Jose DOT - A Road Diet for Main Street - What are the Impacts? | Michael Mauch UC Berkeley ITS/PATH - An Empirical Examination of Freeway Travel Reliability | Emilio Murga CSU Fullerton - Left Turn Violation |
| John Dorado ADVANTEC Consulting Engineers - Legacy IP: What’s In It For Me? The Culver City Experience | Aaron Heumann City of Littleton, CO - Mineral Avenue Comidor Assessment | Kevin Carstens DKS Associates - Enhancing Capacity and Managing Demand: The San Francisco-Oakland Bay Bridge | Reductions for At-grade Intersections with Internally Illuminated Raised Pavement Markings |
| Lee Hansen Intellient - Distributed Adaptive Solution: A Case Study | Mark Esposito ADVANTEC Consulting Engineers - A Tale of Two Modes in Santa Monica | Jonathan Upchurch Transportation Engineering Consultant - Evaluating Capacity of the Zion-Mt Carmel Tunnel in Zion National Park | Randy McCourt DKS Associates - Electronic Display Traffic Control Devices |
| | | | Robert Kahn RK Engineering Group - Service Rate Capacities for Electronic Gates |

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**See you at future Western District Annual Meetings!**

June 24 – 27, 2018 in Keystone, Colorado
June 23 – 26, 2019 in Monterey, California
June 28 – July 1, 2020 in Honolulu, Hawaii