



Program At-A-Glance
As of 5/26/21 and Subject to Change

Day 1: Monday, June 21

Pacific Time	Eastern Time	
7:30-8am	10:30-11am	Exhibits
8-8:30am	11-11:30 am	<p>Plenary Session - Opening Session</p> <ul style="list-style-type: none"> ◆ Julie Dunbar, <i>Dunbar Transportation Consulting</i> ◆ Peter Bosa, <i>Oregon Metro, Conference Chair</i>
8:30-10am	11:30am-1pm	<p>Concurrent Breakout Session 1A—Model Design and Estimation <i>Moderator: Lisa Zorn, Metropolitan Transportation Commission (MTC)</i></p> <ul style="list-style-type: none"> ◆ Segmentation Strategies for Making the Most of Hybrid Travel Models Vince Bernardin, <i>Caliper Corporation</i> ◆ Modeling "new normal" - Telecommuting Aspect Gaurav Vyas, <i>INRO</i> ◆ Indianapolis MPO Truck and Light Commercial Vehicle Model Andrew Rohne, <i>RSG</i> ◆ Work At Home Choice Model and COVID-19 Kevin Stefan, <i>HBA Specto</i> ◆ Modeling Future Freight Vehicle Technologies in Florida John Gliebe, <i>Cambridge Systematics</i>
		<p>Concurrent Breakout Session 1B—Freight Planning <i>Moderator: Nick Wood, Texas A&M Transportation Institute</i></p> <ul style="list-style-type: none"> ◆ A Machine Learning based Sketch Planning Model for Emission Prediction Hojun Son "Daniel", <i>Metropolitan Washington Council of Governments (MWCOG)/Transportation Planning Board (TPB)</i> ◆ Estimating Nationwide Truck Flows from the Freight Analysis Framework 2017 Data Howard Slavin, <i>Caliper Corporation</i> ◆ Texas Rail Benefit-Cost Analyses Eric McClellan, <i>CDM Smith</i>
		<p>Concurrent Breakout Session 1C—Planning for Major Disruptors <i>Moderator: Berrien Barks, North Central Texas Council of Governments</i></p> <ul style="list-style-type: none"> ◆ Planning for Resilience in Hampton Roads: The Resilience and Disaster Recovery Tool Dale Stith, <i>Hampton Roads Transportation Planning Organization</i> ◆ Wildfire Stranded Zones and Severe Detours Modeling Methods David Von Stroh, <i>Cambridge Systematics</i> ◆ Florida Hurricane Evacuation Behavior Study Krishnan Viswanathan, <i>Cambridge Systematics</i> ◆ A Dynamic Evacuation Analysis Tool to Handle Extreme Conditions in the City Planning Process Jinghua Xu, <i>Fehr & Peers</i>

		<ul style="list-style-type: none"> ◆ Analysis of Critical Road Infrastructure Failures due to Urban Flooding; Case Study of Colombo, Sri Lanka Eshi Eranga Wijegunaratna, <i>University of Moratuwa</i>
10-11am	1-2pm	Break Exhibits and Networking
11-12:30pm	2-3:30pm	Concurrent Breakout Session 1D—Model Inputs/Calibration: Supply and Demand and Networks Issues Moderator: <i>Zabe Bent</i> <ul style="list-style-type: none"> ◆ Tools for Managing Networks Sijia Wang, <i>WSP</i> ◆ A Model from Nothing. Developing a Model for Timor Leste From Open Data Only Pedro Camargo, <i>Outer Loop Consulting</i> ◆ Measuring Illinois COVID-19 Travel Impacts through Passive Data and the ILSTDM Stephen Tuttle, <i>RSG</i> ◆ A Multi-Regional Transportation-Economic Model with O-D Detail for Freight and the Economy Derek Cutler, <i>EBP</i> ◆ Comprehensive Sensitivity Testing for the MAG Activity Based Model Arup Dutta; <i>Maricopa Association of Governments</i> ◆ Twin Cities Regional STOPS Model Sujith Rapolu, <i>Connetics Transportation Group</i> ◆ BikePed Portal: A National Centralized Database for Bicycle and Pedestrian Counts Tammy Lee, <i>Portland State University</i> ◆ Using Multi-Resolution Modeling to Support the Design and Evaluation of TSMO Strategies Nan Jiang, <i>DKS Associates</i>
		Concurrent Breakout Session 1E—Future of Commuting and Transportation Sustainability Moderator: <i>Jill Hough; GHD</i> <ul style="list-style-type: none"> ◆ Uneven gains in telework during COVID-19 Ashley Asmus; <i>Metropolitan Council</i> ◆ The World's Largest Telework Experiment: Impacts of COVID-19 on the Commute, Air Quality and Environmental Justice Rosalind Tucker; <i>Atlanta Regional Commission</i> ◆ Applying the PepC Methodology to Win the Bay Area 2030 Mobility Future Steve Raney; <i>Cities21</i>
12:30-1:30pm	3:30-4:30pm	Break Exhibits and Networking
1:30-2:30pm	4:30-5:30pm	Digital Dine-Around The virtual setting prevents us from hosting a traditional <i>Dine-Around</i> , but we can still get together and share stories using the virtual platform. Sign up to join small groups (6 or less), get to know each other or catch up with old friends. Please sign up in advance HERE . You can either join a specific group or sign up in the “Assign Me Anywhere” group.

Day 2: Tuesday, June 22

<i>Pacific Time</i>	<i>Eastern Time</i>	
7:30-8am	10:30-11am	Exhibits
8:30-10am	11:30am-1pm	<p>Concurrent Breakout Session 2A—Model Outputs and Post Processors <i>Moderator: Liza Amar, CDM Smith</i></p> <ul style="list-style-type: none"> ◆ Simulation Demand Estimation (SDE) Tool – A Tool to Streamline the Process of Developing Demand Data for Traffic Microsimulation Using Travel Demand Model Rob Bostrom, <i>CDM Smith</i> ◆ Lessons Learned from the Maryland TSMO System 2 Multi Resolution Modeling Effort Rafey Subhani, <i>Mead & Hunt</i> ◆ Modeling and Field Study of a Personalized Incentive-based Demand Strategy in a Mass Transportation System Zirui Huang (Raymond), <i>University of Arizona</i> ◆ Considerations in Using Network Model Data for Closure and Detour Planning M. Scott Ramming, <i>Colorado Department of Transportation</i> ◆ Application of an Activity-Based Model to Reflect and Project COVID-era Travel Behavior Changes Bhargava Sana, <i>San Francisco County Transportation Authority</i> <p>Concurrent Breakout Session 2B—Multimodal Planning <i>Moderator: Barbara Arens, Cincar Consulting Group (C2G)</i></p> <ul style="list-style-type: none"> ◆ Computation of Multimodal Corridor Performance Metrics Natalia Zuniga-Garcia, <i>The University of Texas at Austin</i> ◆ Impact of COVID-19 on Multimodal Mobility Trends in the Car-Centric City of Houston, Texas Sara Varvarigos, <i>CDM Smith</i> ◆ Colorado Emerging Mobility Impact Study Bina, Michelle, <i>Cambridge Systematics</i> ◆ Developing a Multimodal Plan: Meeting the Needs of a Neighborhood, Development, and Commuters Scott Thompson-Graves; <i>WRA</i> ◆ Development and Implementation of an Active Walking and Cycling Route Visualization Tool to Support Community Involvement Jeffrey LaMondia, <i>Auburn University</i> <p>Concurrent Breakout Session 2C—Survey Design and Data Collection <i>Moderator: Stacy Bricka, MacroSys Research and Technology</i></p> <ul style="list-style-type: none"> ◆ A longitudinal survey to track travel behavior during COVID-19 Rachel Schmidt, <i>RSG</i> ◆ Understanding the Toronto Low-Trip-Rate Anomaly Jingyan Wu, <i>WSP</i> ◆ A Multiyear Analysis of Household Travel Survey: from Data Expansion to Margin of Error Bo Wen, <i>TransLink</i> ◆ On Using Hypotheses to Guide a Travel Survey David Ory, <i>WSP</i>

		<ul style="list-style-type: none"> ◆ NextGen NHTS: A New Era of Travel Behavior Data Patrick Zhang, <i>FHWA</i>
10-11am	1-2pm	<p>Break</p> <p>Exhibits and Networking</p>
11am-12:30pm	2-3:30pm	<p>Concurrent Breakout Session 2D—Data Management and Visualization <i>Moderator: Mario Scott, Steer Davies and Gleave, Inc.</i></p> <ul style="list-style-type: none"> ◆ Integrating Transportation System Performance, Accessibility, Economic and Real Estate Models for Project Evaluation Kyle Schroeckenthaler, <i>EBP</i> ◆ Creating an Interactive HTML-Based Travel Model Reporting Tool Kevin Hall, <i>Texas A&M Transportation Institute</i> ◆ PORTAL: A Multi-agency Effort Providing a Publicly Available Transportation Data Archive for the Portland, OR - Vancouver, WA, Metropolitan Region Tammy Lee, <i>Portland State University</i> ◆ Developing an Accessibility Toolkit For the Virginia Department of Transportation to Support their Smart Scale Process Jim Lam, <i>Caliper Corporation</i> ◆ Oregon DOT Traffic Monitoring During COVID-19 Pandemic Becky Knudson, <i>Oregon DOT</i> ◆ A Data-Driven Interactive Visualization Tool for the Development of Metro Vancouver's Regional Transportation Strategy Bo Wen, <i>TransLink</i> ◆ Data-Driven Transit Service Planning during COVID-19 in Los Angeles/Mondal Ranjan Amit, <i>Cambridge Systematics</i> ◆ Equity Analysis Dashboards in Transit Planning David Von Stroh, <i>Cambridge Systematics</i> <p>Concurrent Breakout Session 2E—Future of Mobility in Planning <i>Moderator: Sarah Binkowski, HNTB Corporation</i></p> <ul style="list-style-type: none"> ◆ Surprising Human Behavior – The Case of Managed Lane Travel Mark Burris, <i>Texas A&M</i> ◆ Scenario Planning for Uncertainties – TxDOT's Innovative Sub-regional Planning Study Koushik Arunachalam, <i>Arcadis</i> ◆ Application of the BEAM Model to Simulate Automated, Electric, On-Demand Shuttles in Santa Clara County, California Gary Hsueh, <i>CHS Consulting Group</i> ◆ Using Multi-Resolution Modeling to Support TSMO Projects: System 1 Case Study Scott Thompson-Graves, <i>WRA</i> ◆ Addressing Automated, Connected, Electric, and Shared-Use Vehicle Impacts in Planning Documents Ben Walker, <i>HNTB</i> ◆ Addressing Metropolitan Transportation Challenges with Freeway Congestion Pricing and On-Demand Ridesharing Patrick DeCorla-Souza, <i>Federal Highway Administration</i>
12:30-1:30pm	3:30-4:30pm	<p>Break</p> <p>Exhibits and Networking</p>

Day 3: Wednesday, June 23

<i>Pacific Time</i>	<i>Eastern Time</i>	
7:30-8am	10:30-11am	Exhibits
8:30-10am	11:30am-1pm	<p>Concurrent Breakout Session 3A—Modeling Uncertainty: Theory and Tools <i>Moderator: Scott Smith, OST-R/Volpe Center</i></p> <ul style="list-style-type: none"> ◆ Testing a System Dynamics Approach for Modeling Mode Shift and Equity Under Uncertainty Hannah Rakoff, <i>Volpe</i> ◆ Connecting TMIP-EMAT and VisionEval for Exploratory Analysis Jeffrey Newman, <i>Cambridge Systematics</i> ◆ Scenario Planning for Emerging Transportation Technologies Hannah Twaddell, <i>ICF</i>
		<p>Concurrent Breakout Session 3B—Big Data / Data Driven <i>Moderator: Ilan Elgar, TransLink</i></p> <ul style="list-style-type: none"> ◆ The Value in Understanding the Who and the How in Pricing Impacts Nikhil Puri, <i>Cambridge Systematics</i> ◆ COVID-19 Impacts on Toll Road and Managed Lane Traffic and Revenue Phani Jammalamadaka, <i>CDM Smith</i> ◆ Using Big Data to Get Origin-Destination Information for Corridor Studies Michael Wagoner, <i>Alliance Transportation Group</i> ◆ The factors affecting mobility choices during COVID-19 era: A case study on New York City Md Sami Hasnine; <i>Howard University</i> ◆ Using Location-based Services and Transit Farecard Data for Transit Operational Analysis and Near-Term Forecasting Pragun Vinayak, <i>Cambridge Systematics</i> ◆ Planning for the Evolving Curb - A Data Driven and Simulation-based Approach to Sizing Passenger Loading Areas Sai Sirandas, <i>Fehr & Peers</i> ◆ All Roads Great and Small: Measuring Congestion on a Regional Roadway Network using Big Data Mary Karlsson, <i>Kimley-Horn</i>
		<p>Concurrent Breakout Session 3C—Transit and Equity <i>Moderator: Jonathan Ehrlich, Metropolitan Council</i></p> <ul style="list-style-type: none"> ◆ Detailed Characteristics of Selected Roadway Users From a Tour- Based Model John Gibb, <i>DKS Associates</i> ◆ CapRemap: Equity Analysis and Impact on Scooter Ridership Cesar Yahia, <i>The University of Texas at Austin</i> ◆ Developing an Equity Performance Tracking Tool Mary Richards, <i>Puget Sound Regional Council (PSRC)</i> ◆ Measuring and Improving Accessibility to Public Transit: The Transit Accessibility Analyst (TAA) Application Soowoong Noh, <i>University of Florida</i> ◆ Racial Equity Analysis using a Household Travel Survey Suzanne Childress, <i>Puget Sound Regional Council</i>

10-11am	1-2pm	Break Exhibits and Networking
11am-12:30pm	2-3:30pm	Concurrent Breakout Session 3D—Modeling Uncertainty: Example Applications Moderator: Drew Cooper, San Francisco County Transportation Authority (SFCTA) <ul style="list-style-type: none"> ◆ Justifying the alternatives analysis methodology through “What If” Scenarios Liza Amar, CDM Smith ◆ Quantifying Uncertainty in Traffic Forecasts: A Retrospective Approach Jawad Mahmud Hoque, University of Kentucky ◆ Modeling COVID-19's Impact on Regional Travel Using TMIP- EMAT, Sumit Bindra, TransLink ◆ Assessing the Future of Southwest Houston through Exploratory Analysis Rachel Copperman, Cambridge Systematics ◆ Scenario Planning for Uncertainties – TxDOT's Innovative Sub-regional Planning Study Koushik Arunachalam, Arcadis
		Concurrent Breakout Session 3E—Statewide and Freight Planning Moderator: Rick Donnelly, WSP <ul style="list-style-type: none"> ◆ FDOT District 4 Traffic Forecasting Assessment and Uncertainty Analysis Approach Ashutosh Kumar, Connetics Transportation Group ◆ Strategic Truck Parking Investments: Agent-Based Simulation and Optimization Approach for Statewide Truck Parking Infrastructure Expansions Sarah Hernandez, University of Arkansas ◆ Statewide Transit Planning: Purposes and Approaches Andrew Zalewski, Foursquare ITP ◆ Modeling Non-Motorized Accessibility in Delaware Jonathan Avner, WRA ◆ Michigan State Long-Range Transportation (MM2045) Innovative Public Engagement Process Bradley Sharlow, Michigan Department of Transportation
12:30-1:30pm	3:30-4:30pm	Break Exhibits and Networking
Day 4: Thursday, June 24		
7:30-8am	10:30-11am	Exhibits
8-8:30am	11-11:30 am	Speed Data-ing Start the day by joining colleagues for a quick, fun, and random meet and greet! Meet a new colleague or catch up with an old friend. We will randomly assign everyone into breakout groups of 2 for five minute chats. We will provide you with talking points and icebreakers to get you started, but you are free to discuss whatever you'd like for two and a half minutes each!
8:30-10am	11:30am-1pm	Concurrent Breakout Session 4A: Bringing it All Together Moderator: Becky Knudson, Oregon DOT; Greg Giaimo, Ohio DOT & Marty Milkovits, Boston Region Metropolitan Planning Organization This conference provides a unique opportunity to exchange information related to applied planning and analysis, which attracts a variety of expertise, methods, tools, data and first-hand experiences. More than 75 speakers will share information at the conference this year. This panel seeks to synthesize the information shared over the previous three days, identifying key themes and highlighting information we can use now with thoughts on what

		<p>to keep in mind for the future. Five panelists will convey their insight on topics shared at the conference through curated questions, as well as questions from the audience:</p> <ul style="list-style-type: none"> ◆ Ilan Elgar – Translink, British Columbia ◆ Rosalind Tucker – Atlanta Regional Commission ◆ Anurag Komanduri - Cambridge Systematics ◆ Brian Lee – Puget Sound Regional Council ◆ Phani Jammalamadaka – CDM Smith
10-11am	1-2pm	<p>Break Exhibits and Networking</p>
11am-12:30pm	2-3:30 pm	<p>Concurrent Breakout Session 4B: Ask me Anything” Panel of Career Professionals <i>Moderator: Rhett Fussell, WSP & Brice Nichols, Puget Sound Regional Council</i></p> <p>Bring your questions to our esteemed panel of transportation professionals coming to you live with decades of experience to share at the “Ask-Me Anything” panel session. This panel has a rich and broad range of experience from the public and private sectors to share, with diverse perspectives on the past and future of the transportation planning profession. This is an opportunity for people to ask questions about career paths, skill development, specific topics, or general thoughts about the work we do as professionals.</p> <ul style="list-style-type: none"> ◆ Zabe Bent – National Association of City Transportation Officials ◆ Stacey Bricka – MacroSys/Independent Consultant ◆ Rick Donnelly – WSP USA ◆ Julie Dunbar – Dunbar Transportation Consulting ◆ Kyung-Hwa Kim – Atlanta Regional Commission
12:30-1:30pm	3:30-4:30pm	<p>Break Exhibits and Networking</p>