

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS
SUN, JAN 12	9:00 AM- 12:00 PM	W - 1038	Convention Center, Salon A	Protecting Cyclists at Intersections: Design Guidance, Research, and Knowledge Gaps	Urban Bikeway Intersection Safety, Design and Comfort: State of the Research	Chris Monsere
MON, JAN 13	8:00 AM- 9:45 AM	P - 1144	Convention Center, Hall A	Bicycle Research Poster Session	Do Bicycles Reduce Passenger Car Travel Speeds on Urban Roads without Bicycle Lanes? Evidence from Roadways in Portland	Jaclyn Schaefer*, Miguel Figliozi, Avinash Unnikrishnan
	8:00 AM- 9:45 AM	P - 1156	Convention Center, Hall A	Current Research in Freight Planning and Logistics	A Study of Road Autonomous Delivery Robots and their Potential Impacts on Freight Efficiency and Travel	Dylan Jennings*, Miguel Figliozi
	8:00 AM- 9:45 AM	P - 1157	Convention Center, Hall A	Advances and Innovations in Urban Freight Transportation Planning	Exploring the Characteristics of Light Electric Vehicle Performance in Urban Logistics	John MacArthur
	10:15 AM- 12:00 PM	L - 1166	Convention Center, 146B	Addressing Equity in a Changing World: Emerging Research and Practices for Integrating Equity into Transportation Planning Across the United States and Europe	Addressing Changing Demographics in Environmental Justice Analysis: Review of Demographic Trends and State of Practice	Aaron Golub, Nathan McNeil, Charles Rynerson
	1:30 PM- 3:15 PM	L - 1240	Convention Center, 140B	Social and Economic Factors of Car Ownership	A Portrait of Zero-car and Car-owning Household Mobility Trends in the U.S.: Insights from the 2009 and 2017 National Household Travel Survey (NHTS)	Gabriella Abou-Zeid*, Michael McQueen*, Anaisabel Crespo-Leiva*, Kelly Clifton
	1:30 PM- 3:15 PM	P - 1278	Convention Center, Hall A	Advances in Artificial Intelligence Applications in Transportation and Road Infrastructure, Part 2 (Part 1, Session 1211)	Predicting Crashes by Applying Machine Learning on New Sources of Driver Behaviour Data	Jason Anderson
	1:30 PM- 3:15 PM	L - 1237	Convention Center, 146B	Automated Transportation and Shared Mobility	Robust Maximum Coverage Facility Problem with Drones Considering Uncertainties in Battery Availability and Consumption	Darshan Rajesh Chauhan*, Avinash Unnikrishnan, Miguel Figliozi
	1:30 PM- 3:15 PM	L - 1233	Convention Center, 154	Promoting Your Research: Success Stories from Academia, State DOTs, and Journals	Promoting Your Research: The Research Center Perspective	Cait McCusker

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MON, JAN 13	1:30 PM- 3:15 PM	L - 1233	Convention Center, 154	Promoting Your Research: Success Stories from Academia, State DOTs, and Journals	Promoting Your Research: The Researcher's Perspective	Jennifer Dill
	3:45 PM- 5:30 PM	L - 1304	Convention Center, 209A	Bridge Load Rating	Integration of Artificial Neural Networks in Bridge Load Rating and Case Study Application	Juan Perez Garfías*
	3:45 PM- 5:30 PM	P - 1341	Convention Center, Hall A	Truck and Bus Safety Research	Reducing Unsafe Truck Driver Behavior on Interstate Freight Corridors Through DOT and Law Enforcement Collaboration	Jason Anderson
	6:00 PM- 7:30 PM	P - 1352	Convention Center, Hall A	Emergency Responders	Ambulance Location Optimization Incorporating O-D Travel Time Variability: A Case Study of Delhi	Avinash Unnikrishnan
	6:00 PM- 7:30 PM	P - 1358	Convention Center, Hall A	Focus on Pedestrian and Bicycle Safety	An Exploratory Parameter Sensitivity Analysis of Bicycle-Vehicle Conflicts Using the Surrogate Safety Assessment Model	Yi Wang, Chris Monsere
JOIN US AT OUR TRB RECEPTION FOR THE NATIONAL INSTITUTE FOR TRANSPORTATION AND COMMUNITIES TONIGHT: MONDAY JANUARY 13, 2020 (8 PM – 10:30 PM) AT FADO IRISH PUB						
TUES, JAN 14	8:00 AM- 9:45 AM	L - 1362	Convention Center, 154	Next-Generation Parking	Linking Residential Parking to Automobile Transportation Impact Outcomes at a Development-Level	Kristina Currans, Gabriella Abou-Zeid*, Nicole Iroz- Elardo
	8:00 AM- 9:45 AM	L - 1394	Convention Center, Salon A	Bicycling Toward Equity: Opportunities, Barriers, and Policies for Vulnerable Groups	Adaptive Bike Share: Expanding Bike Share to People with Disabilities and Older Adults	John MacArthur, Nathan McNeil, Austin Cummings, Joseph Broach
	8:00 AM- 9:45 AM	L - 1394	Convention Center, Salon A	Bicycling Toward Equity: Opportunities, Barriers, and Policies for Vulnerable Groups	Bicycling and Bikeshare among Women of Color in 3 US Cities: Barriers and Opportunities	Jennifer Dill, Nathan McNeil, John MacArthur, Joseph Broach
	8:00 AM- 9:45 AM	P - 1408	Convention Center, Hall A	Advances in Traffic Monitoring	Evaluating Third-Party Data for Statewide Traffic Volume Estimation	Joseph Broach
	10:15 AM- 12:00 PM	L - 1465	Convention Center, 103A	Where the Rubber Meets the Road: Critical Evaluation of Bikeway Rating Methods and Cyclist Typologies	A Grounded Theory Approach to Understanding Bicyclists Interactions on Unprotected Facilities: A Proof of Concept From Munich, Germany	Kelly Clifton

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TUES, JAN 14	10:15 AM-12:00 PM	L - 1474	Convention Center, 144A	Methods for Assessing Alternative Delivery Approaches	Electric Vehicle Travelling Salesman Problem with Drone	Avinash Unnikrishnan, Portland State University
	10:15 AM-12:00 PM	L - 1465	Convention Center, 103A	Where the Rubber Meets the Road: Critical Evaluation of Bikeway Rating Methods and Cyclist Typologies	User-Rated Comfort and Preference of Separated Bike Lane Intersection Designs	Chris Monsere, Nathan McNeil
	1:30 PM-3:15 PM	L - 1546	Convention Center, 147A	Autonomous Vehicles, Drones, Robots, and Home Delivery	Can Autonomous Delivery Robots Reduce Last Mile Energy Consumption and CO2 Emissions?	Dylan Jennings*, Miguel Figliozi
	1:30 PM-3:15 PM	P - 1568	Convention Center, Hall A	Bus Transit Research and Practices, Part 2 (Part 1, Session 1227)	Examining the Impact of Overlapping Bus Services on Dwell Times and Bunching	Travis Glick*, Miguel Figliozi
	3:45 PM-5:30 PM	L - 1616	Convention Center, 144A	Current Research in Agriculture and Food Transportation	E-Grocery Home Delivery Impacts on Food Access and Equity: a Portland Case Study	Katherine Keeling*, Miguel Figliozi
	6:00 PM-7:30 PM	P - 1652	Convention Center, Hall A	Emerging Research in Social and Economic Factors of Transportation	Do Immigrants in the U.S. Continue to Rely More on Alternative Modes of Transportation than U.S.-Born Residents?	Sang Wan Lee
	6:00 PM-7:30 PM	P - 1653	Convention Center, Hall A	Poster Session on Transportation and Land Development	Nonlinearities in the Relationship Between the Built Environment and Metropolitan Structure with Driving and Walking Modal Share	Jaime Orrego-Oñate*, Kelly Clifton
	8:00 AM-9:45 AM	P - 1694	Convention Center, Hall A	Public Transportation Demand: Explorations of Traveler Response and Traveler Characteristics	Spatial and Temporal Differences in Weekday Travel Durations between Private-for-Hire Transportation Services and Transit in the City Center	Kelly Clifton, Baxter Shandobil*, Ty Lazarchik*

## PSU PARTNERS AND EXPERTISE FROM PORTLAND, OREGON

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS
SUN, JAN 12	9:00 AM- 12:00 PM	W - 1036	Convention Center, 102B	Cannabis Legalization: State, Provincial, and Local Metrics to Assess Outcomes	Marijuana & Impaired Driving: Policy, Practice & Metrics in Oregon	Daniel Estes, Oregon Department of Transportation
MON, JAN 13	8:00 AM- 9:45 AM	L - 1106	Data Acquisition for Design and Construction: A Look at Technologies and Specifications	Data Acquisition for Design and Construction: A Look at Technologies and Specifications	Unanticipated Uses of Mobile LiDAR	Joseph Thomas, Oregon Department of Transportation
	10:15 AM- 12:00 PM	L - 1166	Convention Center, 146B	Addressing Equity in a Changing World: Emerging Research and Practices for Integrating Equity into Transportation Planning Across the United States and Europe	Addressing Changing Demographics in Environmental Justice Analysis: Review of Demographic Trends and State of Practice	Stephanie Lonsdale, Portland Bureau of Transportation, Madison Levy, Matt Gray
TUES, JAN 14	8:00 AM- 9:45 AM	P - 1408	Convention Center, Hall A	Advances in Traffic Monitoring	Evaluating Third-Party Data for Statewide Traffic Volume Estimation	Josh Roll, Oregon Department of Transportation
	8:00 AM- 9:45 AM	L - 1369	Convention Center, 150A	Attitudes Toward Emerging and Existing Public Transportation Services	Is the Customer Always Right? Analyzing Bus Rider Complaints and Linking Them to Real-World Operations Data in Portland, OR	Miles Crumley, Tri-County Metropolitan Transportation District
	10:15 AM- 12:00 PM	L - 1439	Convention Center, 146B	Planning at a Crossroads	ADA10 Perspective	Jerri Bohard, Oregon Department of Transportation
	10:15 AM- 12:00 PM	P - 1487	Convention Center, Hall A	Current Issues in Transportation Energy	Driving and Restraining Forces for Reducing Transportation Greenhouse Gas Emissions: Sharing Oregon's Experiences	Amanda Pietz, Tara Weidner

TUES, JAN 14	1:30 PM- 3:15 PM	P - 1568	Convention Center, Hall A	Bus Transit Research and Practices, Part 2 (Part 1, Session 1227)	Examining the Impact of Overlapping Bus Services on Dwell Times and Bunching	Miles Crumley, Tri-County Metropolitan Transportation District
	1:30 PM- 3:15 PM	L - 1547	Convention Center, 143A	Sustainability at Airports: Where We've Come and Where We're Going	Port of Portland Social Equity Program	Steven Nakana, Port of Portland
	3:45 PM- 5:30 PM	P - 1623	Convention Center, Hall A	7th Annual Fresh Ideas for Statewide Planning: Demographic Shifts	Who wants a crystal ball when you have a flashlight?	Alex Bettinardi, Oregon Department of Transportation
WED, JAN 15	8:00 AM- 9:45 AM	P - 1689	Convention Center, Hall A	Best of the Transportation Planning Applications Conference and More!	24-Hour Transit Assignments - Process and Application to Equity Analysis	Thaya Patton, Oregon Metro
	8:00 AM- 12:00 PM	W - 1783	Convention Center, 102B	Rural Transportation for Everyone: Policy and Practice in 2020	Addressing Equity Through a Statewide Transit Plan: Oregon Case Study	Naomi Zwerdling, Oregon Department of Transportation
	8:00 AM- 12:00 PM	W - 1769	Convention Center, 206	Nudging the Commute: Behavioral Science and Mode Choice	Nudging the Commute - Applying Behavioral Science to Transportation Mode Shift	Caleb Winter, Oregon Metro, Presiding - Jessica Roberts, Alta, Presenting