

NITC GUIDE TO TRB 2019

A comprehensive guide of NITC universities at TRB 2019

P = Poster Session | **L** = Lecture | **W** = Workshop | **C** = Committee | ***** = Student

Please check TRB's online guide for the most up-to-date times.

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
SUN, JAN 13	9:00 AM-12:00 PM	W - 1041	102B	What's That on the Sidewalk?: Safety Issues, Mobility Benefits, and Policy Issues of Emerging Transportation Devices	Presiding	John MacArthur	Portland State University
	9:00 AM-12:00 PM	W - 1003	152B	Cross-Subsidization for a Smart, Sustainable, and Equitable Future: Exploration of Opportunities and Constraints	Urban and Rural Cross Subsidies from Value Capture, Broadband, and New Technology	Rebecca Lewis	University of Oregon
	9:00 AM-12:00 PM	W - 1029	209B	Effective Moisture Measurement of Geomaterials to Improve Return on Investment	Thermo-TDR probes for soil moisture, density, and thermal conductivity measurement	Xinbao Yu	University of Texas at Arlington
	1:30 PM-4:30 PM	W - 1051	147B	Preparing for Mobility Futures: The Impact of Connected and Automated Vehicle Technology on Transportation Demand Management	The Impact of CAV Technology on TDM: Academia Point of View	Nico Larco	University of Oregon
	1:30 PM-5:30 PM	W - 1094	146B	Doctoral Research in Transport Modeling	The Effects of Transit Improvement on Traffic and Land Use at Different Geographical scales: Three Empirical Essays	Huajie Yang*	Portland State University
MON, JAN 14	8:00 AM-12:00 PM	C - ABG30	MM, Liberty I (M4)	Technology Transfer Committee	An EPIC Way to Move Transit into the Future: TriMet and the University of Oregon's Sustainable City Year Program	Marc Schlossberg, Megan Banks	University of Oregon
	8:00 AM-9:45 AM	L - 1135	147A	Automation, Crowdsourcing, and Home Deliveries	A Study of Autonomous Delivery Robots and Their Potential Impacts on Freight Efficiency and Travel	Dylan Jennings*, Miguel Figliozzi	Portland State University
	8:00 AM-9:45 AM	L - 1107	140B	Safety and Health in Environmental Justice Communities	Presiding	Aaron Golub	Portland State University
	8:00 AM-9:45 AM	L - 1099	151B	Innovative Traffic Monitoring Technologies and Platforms	Presiding	Yao-Jan Wu	University of Arizona
	8:00 AM-9:45 AM	P - 1164	Hall A	Operational Considerations for Shared Mobility	Redefining Car Access: Ridehail Travel and Use in Los Angeles	Anne Brown	University of Oregon
	8:00 AM-9:45 AM	P - 1148	Hall A	Collection, Analysis, and Fusion Advances for Addressing Data Gaps in Freight Planning and Performance Measurement	Data Challenges In Urban Freight Research: The Case Of Warehousing And Distribution	Sanggyun Kang	University of Texas at Arlington

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
MON, JAN 14	8:00 AM-9:45 AM	L - 1107	140B	Safety and Health in Environmental Justice Communities	Investigating divergent transportation inequities between environmental justice populations with varying health risks using data collected via innovative app technologies	Courtney Cronley, Noelle Fields, Stephen Mattingly, Sarah Robinson*, Erin Murphy, Craig Keaton*	University of Texas at Arlington
	8:00 AM-9:45 AM	L - 1121	209B	Modeling Aspects of Buried Structures	Risk Assessment in Trenchless Technology Box Jacking Technique	Mohammad Najafi	University of Texas at Arlington
	8:00 AM-9:45 AM	P - 1166	Hall A	Latest Research in Urban Freight Movement from Around the World	Why do warehouses decentralize more in certain metropolitan areas?	Sanggyun Kang	University of Texas at Arlington
	10:15 AM-12:00 PM	P - 1218	Hall A	Collecting and Analyzing Pedestrian and Bicyclist Data	Minimizing AADNT Estimation Errors: How Many Counters are Needed per Factor Group?	Sirisha Kothuri	Portland State University
	10:15 AM-12:00 PM	P - 1215	Hall A	New Research on Travel Time, Speed, and Reliability Data	Application of Clustering and Association Rule Mining in Large-Scale Loop Detector Troubleshooting	Amin Arianneshad*, Yao-Jan Wu	University of Arizona
	10:15 AM-12:00 PM	P - 1230	Hall A	Innovations in Arterial and Network Traffic Signal Optimization	Impacts of Changing from Permissive/Protected Left-Turn to Protected-Only Phasing: Case Study in the City of Tucson, Arizona	Xiaofeng Li*, Adrian Cottam*, Yao-Jan Wu	University of Arizona
	10:15 AM-12:00 PM	P - 1216	Hall A	Advanced Research in Traffic Monitoring	Traffic Density Estimation Based on Vehicle Speed Profile Data	Zirui Huang*, Yi-Chang Chiu	University of Arizona
	10:15 AM-12:00 PM	L - 1200	145B	Ridesourcing and Transportation Network Companies and Taxis: Demographics, Use, and Partnerships	Prevalence and Mechanisms of Discrimination: Evidence from the Ridehail and Taxi Industries	Anne Brown	University of Oregon
	10:15 AM-12:00 PM	P - 1222	Hall A	Frontiers in Construction Management	Development of Multi-Level Scoping Process Framework for Transportation Infrastructure Projects Using IDEF Modeling Technique	Sharareh (Sherri) Kermanshachi, Elnaz Safapour*	University of Texas at Arlington
	10:15 AM-12:00 PM	P - 1229	Hall A	Advances in Soil Stabilization	Laboratory Evaluation Of Expansive Soils In Texas Stabilized With A Liquid Ionic Stabilizer	Shi He, Xinbao Yu, Sandesh Gautam*, Gang Lei*, Aritra Banerjee, Anand Puppala	University of Texas at Arlington

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
MON, JAN 14	10:15 AM- 12:00 PM	P - 1218	Hall A	Collecting and Analyzing Pedestrian and Bicyclist Data	A new tool for pedestrian observation: Reliability and efficiency of small Unmanned Aircraft Systems (UAS)	Reid H. Ewing	University of Utah
	10:15 AM- 12:00 PM	P - 1216	Hall A	Advanced Research in Traffic Monitoring	Data Screening Algorithm For Detecting Freeway Wrong Way Driving Hotspots	Zhao Zhang*, Xianfeng Yang, Xiaoyue Cathy Liu	University of Utah
	10:15 AM- 12:00 PM	L - 1190	209B	Driving Through the Wind and Rain	Generating Weather Alerts Including High Wind Blowover Hazards Using Pikalert® For The Wyoming Connected Vehicle Pilot Project	Brittany M Welch*	University of Utah
	10:15 AM- 12:00 PM	L - 1201	149	Trends in Public Transportation Ridership and Demand	Presiding	Matt Miller*	University of Utah
	1:30 PM- 3:15 PM	L - 1278	147A	Bus Capacity and Its Implications for Bus Operations	Analyzing the Impact of Bus Stop Queuing and Bus Interactions on Bus Dwell Times	Travis Glick*, Miguel Figliozzi	Portland State University
	1:30 PM- 3:15 PM	L - 1254	140B	Equitable Transit-Oriented Development, Streetcars, Land Values, and Parking in an Era of Automated Vehicles	Streetcars And Real Estate Rents With Implications For Transit Planning	Arthur Christian Nelson, Robert Hibberd*	University of Arizona
	1:30 PM – 5:30 PM	C – ANF20	MM, Ballroom Salon 12 (M2)	Bicycle Transportation Committee	Rethinking Streets for Bikes	Marc Schlossberg (UO), Roger Lindgren (OIT)	University of Oregon, Oregon Tech
	1:30 PM- 3:15 PM	L - 1263	209C	Aggregate Shape: Imaging and Characterization Techniques	2D Random Shape of Aggregate Model using Image Processing and Convex Combination Theory	Suyun Ham, Amin Darabnoush Tehrani*	University of Texas at Arlington
	1:30 PM- 3:15 PM	L - 1262	204B	Critical Aspects of Recycled Materials to Improve Subgrade and Backfill	Experimental Investigation Of Thermal Conductivity For Rubber-Sand Mixtures As Lightweight Backfill Material	Anand Puppala, Surya Sarat Chandra Congress*	University of Texas at Arlington
	1:30 PM- 3:15 PM	P - 1289	Hall A	Parking Potpourri	Comparative Case Studies: Trip and Parking Generation at Orenco Station TOD, Portland Region and Station Park TAD, Salt Lake City Region	Reid H. Ewing	University of Utah
	1:30 PM- 3:15 PM	P - 1300	Hall A	Can You Explain What You Cannot See?: Unobserved Heterogeneity in Transportation	Designed Quadrature to Approximate Integrals in Maximum Simulated Likelihood Estimation	Vahid Keshavarzzadeh	University of Utah

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
MON, JAN 14	1:30 PM- 3:15 PM	P - 1289	Hall A	Parking Potpourri	Effect of D-Variables on Residential Parking Demand	Matt Miller*, Reid Ewing, Amanda Dillon*	University of Utah
	3:45 PM- 5:30 PM	P - 1370	Hall A	Freight Transportation Planning and Logistics Research	Maximum Coverage Facility Location Problem with Drones	Darshan Rajesh Chauhan*, Avinash Unnikrishnan, Miguel Figliozzi	Portland State University
	3:45 PM- 5:30 PM	C - ABJ30(2)	MM, Liberty K (M4)	Urban Big Data Subcommittee	Presiding	Kristin Tufte	Portland State University
	3:45 PM- 5:30 PM	P - 1361	Hall A	Current Issues in Alternative Transportation Fuels and Technologies	Survey of Oregon Electric Vehicle Owners: Understanding Perceptions, Motivations, and Concerns	John MacArthur, Michael Harpool*	Portland State University
	3:45 PM- 5:30 PM	L - 1326	146A	Transport Oriented Development: Land Values and Travel Impacts	A Framework To Operationalize A Deep And Vast Literature For Practice: Translating Land Value Uplift Literature To Estimate Economic Impacts Of Multimodal Transportation System Projects	Kristina M Currans, Arthur Christian Nelson	University of Arizona
	3:45 PM- 5:30 PM	P - 1366	Hall A	Gaining Insight into Highway Safety and Risk Through Improved Methods and Models	Identifying Contributing Factors to Crash Severity: Analysis of Gender Differences	Amin Ariannezhad*	University of Arizona
	3:45 PM- 5:30 PM	L - 1326	146A	Transport Oriented Development: Land Values and Travel Impacts	Improving Transportation Impact Analyses for Affordable Housing Developments: A Data Collection and Analysis of Trip Generation Data	Gabriella Abou-Zeid (UA), Kristina M Currans (UA), Kelly Clifton (PSU), Amanda Howell (UO)	University of Arizona, Portland State University, University of Oregon
	3:45 PM- 5:30 PM	L - 1339	102B	Speed Limits 2019: Current Perceptions, Technologies, and the Future	Quantifying the Impact of Speed-Feedback Signs on Arterial Operations	Abolfazl Karimpour*, Yao-Jan Wu	University of Arizona
	3:45 PM- 5:30 PM	L - 1317	146C	Changing Landscape and Current Issues of Transportation Revenues	Voting for Transport: Analyzing Voter Support for Local Option Sales Taxes for Transportation	Anne Brown	University of Oregon

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
MON, JAN 14	3:45 PM- 5:30 PM	P - 1366	Hall A	Gaining Insight into Highway Safety and Risk Through Improved Methods and Models	Determinants of crash type and severity using Generalized Structure Equation Modeling	Kyung(Kate) Hyun	University of Texas at Arlington
	3:45 PM- 5:30 PM	L - 1327	202B	14th Dialogue with Leaders in the Design and Construction of Transportation Facilities	Presiding, Introduction of G. P. Jayaprakash (Jay)	Anand Puppala	University of Texas at Arlington
	3:45 PM- 5:30 PM	L - 1325	140B	Spatial Distribution of Economic Development Outcomes from Transportation Accessibility	The Quest for Creative Industries: A Multi-Level National Study of the Impacts of Urban Form on the Geography of Creative Industries	Tahereh Granpayehvaghei, Ahmad Bonakdar, Ahoura Zandiatashbar*, Shima Hamidi	University of Texas at Arlington
	3:45 PM- 5:30 PM	L - 1325	140B	Spatial Distribution of Economic Development Outcomes from Transportation Accessibility	Urban Design Premiums in New York: An Empirical Analysis of the Relationship Between Urban Design Qualities, Walkability and Property Values	Shima Hamidi (UTA), Ahmad Bonakdar (UTA), Golnaz Keshavarzi (UTA), Reid Ewing (UU)	University of Texas at Arlington, University of Utah
	3:45 PM- 5:30 PM	P - 1370	Hall A	Freight Transportation Planning and Logistics Research	Warehouse Location Choice: A Case Study in Los Angeles, CA	Sanggyun Kang	University of Texas at Arlington
	3:45 PM- 5:30 PM	L - 1346	Salon B	The Latest Research on Teen Drivers—Hybrid Session	Improving Drivers' Lateral Control Using a Precision Teaching-Based System: A Driving Simulator Study	Francesco Biondi	University of Utah
	6:00 PM- 7:30 PM	P - 1298	Hall A	Artificial Intelligence and Machine Learning Methods for Transportation Applications, Part 1 (Part 2, Session 1299)	Improved Support Vector Machine Models for Work Zone Crash Injury Severity Prediction and Analysis	Jason Anderson	Portland State University
	6:00 PM- 7:30 PM	P - 1298	Hall A	Artificial Intelligence and Machine Learning Methods for Transportation Applications, Part 1	Smart And Connected Community Detection Using Travelers Point Of Interest	Ali Arian, Yi-Chang Chiu	University of Arizona
	6:00 PM- 7:30 PM	P - 1298	Hall A	Artificial Intelligence and Machine Learning Methods for Transportation Applications, Part 1	Volume Estimation Using Traffic Signal Event-Based Data from Video-Based Sensors	Xiaofeng Li*, Yao-Jan Wu, Yi-Chang Chiu	University of Arizona
	6:00 PM- 7:30 PM	L - 1373	154	Public Transport Markets and Strategies in Developing Countries	Are Millennials the Transit Generation in Iran? The Answer is No: Understanding Travel Decisions and Preferences of Iranian Millennials	Shima Hamidi	University of Texas at Arlington

JOIN US TONIGHT 7:30 – 10:30 PM at FADO IRISH PUB FOR OUR NITC RECEPTION

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
TUES, JAN 15	8:00 AM-12:00 PM	C - ABG10	MM, Liberty I (M4)	Conduct of Research Committee	Presiding	Hau Hagedorn	Portland State University
	8:00 AM-9:45 AM	P - 1426	Hall A	Climate Change and Decarbonization	Making Alternative Fuel Vehicles Work for Everyone: Quantifying the Environmental and Equity Potential	Joseph Broach, Baxter Shandobil*, John MacArthur, Kelly Clifton	Portland State University
	8:00 AM-9:45 AM	L - 1395	140B	Incorporating Sustainability into Planning for Emerging Technologies	Presiding	John Macarthur	Portland State University
	8:00 AM-9:45 AM	L - 1398	208	Addressing Pavement Sustainability: Innovations in Life-Cycle Analysis Practices and Case Studies	An Integrated Lca-Lcca Framework For The Selection Of Sustainable Pavement Design	Anu Muthumala George*, Aritra Banerjee, Anand Puppala	University of Texas at Arlington
	8:00 AM-9:45 AM	L - 1406	204A	New Test Methods for Stabilized Soils	Assessment of Sulfate Heaving in Stabilized Soils by Time Rate Monitoring of Moisture Content and Stiffness Properties	Nagasreenivasu Talluri, Anand Puppala, Surya Sarat Chandra Congress*	University of Texas at Arlington
	8:00 AM-9:45 AM	L - 1389	154	Transportation Demand Management Efforts: Changing the World One Trip at a Time	The Missing Link Between Place And Productivity? The Impact Of Transit-Oriented Development On The Knowledge And Creativity Economy	Ahoura Zandiatashbar*, Shima Hamidi	University of Texas at Arlington
	10:15 AM-12:00 PM	P - 1620	Hall A	Recent Developments and Insights on Economic Development and Productivity Impacts of Transport	A Proposed Framework for Evaluating Economic Development Impacts of Active Transportation Street Improvements	Jenny Liu, Wei Shi*, Jamaal Green*	Portland State University
	10:15 AM-12:00 PM	P - 1621	Hall A	Emerging Research Topics in Land Use and Transportation Planning and Policy	Operationalizing the Neighborhood Effects of the Built Environment on Travel Behavior	Liming Wang	Portland State University
	10:15 AM-12:00 PM	P - 1493	Hall A	Emerging Research on Social and Economic Factors	Functional Form in Hedonic Regression: Determining the End of Significance of Transit Proximity Effects on Property Value Uplift	Robert Hibberd*, Kristina M Currans, Arthur Christian Nelson	University of Arizona
	10:15 AM-12:00 PM	L - 1479	145B	Price is What You Pay, Value What You Get	Panel: National Study of BRT Development Outcomes	Arthur Nelson, University of Arizona	University of Arizona

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
TUES, JAN 15	10:15 AM-12:00 PM	P - 1497	Hall A	Multimodal Urban Traffic Signal Control	Signal Priority: Comparison of Two Recent Traffic Signal Control Models	Larry Head	University of Arizona
	10:15 AM-12:00 PM	P - 1493	Hall A	Emerging Research on Social and Economic Factors	Car-Deficit Households: Determinants and Implications for Household Travel	Anne Brown	University of Oregon
	10:15 AM-12:00 PM	L - 1447	151A	Sharing and Gender Effects: Trips, Spaces, and Vehicles	Who's in the Driver's Seat? Gender and the Division of Car Use in Auto-Deficit Households	Anne Brown	University of Oregon
	10:15 AM-12:00 PM	L - 1459	204A	Recent Advances in Geospatial Data Acquisition	Innovative Monitoring of Pavements on Expansive Soils Using Aerially Collected Data from UAV-CRP Technology	Surya Sarat Chandra Congress*, Anand Puppala	University of Texas at Arlington
	10:15 AM-12:00 PM	P - 1491	Hall A	Public Transport in Developing Countries	Travel Attitudes, Residential Self-selection or Environmental Determinism? Understanding Non-Work Travel Decisions in Iran	Shima Hamidi	University of Texas at Arlington
	10:15 AM-12:00 PM	P - 1497	Hall A	Multimodal Urban Traffic Signal Control	Real-Time Signal Control for Bus Rapid Transit with Connected Vehicle Technology	Xianfeng Yang	University of Utah
	10:15 AM-12:00 PM	P - 1497	Hall A	Multimodal Urban Traffic Signal Control	Resilient Mixed Integer Linear Programming Formulation for Heterogeneous Traffic Signal Priority Scheduling Problem	Xianfeng Yang	University of Utah
	1:30 PM-3:15 PM	L - 1513	146B	Taking Off the Rose-Colored Glasses: Equitable Access to 21st-Century Mobility Options	An Equity Assessment of Smart Mobility Systems in Portland, Oregon	Aaron Golub	Portland State University
	1:30 PM-3:15 PM	L - 1509	150B	Integrating Research and Technology Transfer	Research Results Implemented into Practice	Lisa Patterson	Portland State University
	1:30 PM-3:15 PM	L - 1540	147A	Innovations and Insights in Light Rail Transit/Streetcar Land Use and Planning	A Marvelous Machine: Creative Approaches to Securing Funding and Building Public Support for Streetcar Projects in Four U.S. Cities	James Patrick Wood	University of Texas at Arlington
	1:30 PM-3:15 PM	P - 1556	Hall A	Modeling and Evaluation of Pavement Structures	Development Of Comprehensive Deflection Parameters To Evaluate The Structural Capacity Of Flexible Pavements At The Network Level	Karthikeyan Loganathan, Ana Maria Coca, Stefan Romanoschi	University of Texas at Arlington
	1:30 PM-3:15 PM	L - 1527	201	Eye in the Sky: Transportation Infrastructure Monitoring Using Unmanned Aerial Technologies	Infrastructure Monitoring Using Multifaceted UAV-CRP Data Analysis	Surya Sarat Chandra Congress*	University of Texas at Arlington

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
TUES, JAN 15	1:30 PM- 3:15 PM	P - 1556	Hall A	Modeling and Evaluation of Pavement Structures	Mechanistic Empirical Estimation Of Remaining Service Life Of Flexible Pavements Based On Simple Deflection Parameters	Karthikeyan Loganathan, Ana Maria Coca, Stefan Romanoschi	University of Texas at Arlington
	1:30 PM- 3:15 PM	L - 1527	201	Eye in the Sky: Transportation Infrastructure Monitoring Using Unmanned Aerial Technologies	Presiding, UAV and Smartphone Technologies for Rapid Disaster Reconnaissance of Transportation Infrastructure and Logistics	Anand Puppala	University of Texas at Arlington
	3:45 PM- 5:30 PM	P - 1628	Hall A	Traffic Control Devices 2019	Evaluation of Driver Comprehension and Visual Attention of the Flashing Yellow Arrow Display for Permissive Right-Turns	Christopher Monsere, Sirisha Kothuri	Portland State University
	3:45 PM- 5:30 PM	L - 1588	140B	Location, Travel Behavior, and Environmental Justice	Presiding	Aaron Golub	Portland State University
	3:45 PM- 5:30 PM	P - 1703	Hall A	Environmental Justice Poster Session	Presiding	Aaron Golub	Portland State University
	3:45 PM- 5:30 PM	P - 1635	Hall A	Pedestrian Planning and Analysis	Presiding	Sirisha Kothuri	Portland State University
	3:45 PM- 5:30 PM	P - 1628	Hall A	Traffic Control Devices 2019	Red-Light Violation Identification Using GPS Trajectories	Melrose Pan*, Xiaofeng Li*, Yao-Jan Wu	University of Arizona
	3:45 PM- 5:30 PM	L - 1588	140B	Location, Travel Behavior, and Environmental Justice	"You Are Really At Their Mercy": Examining The Relationship Between Transportation Disadvantage And Social Exclusion Among Older Adults Through The Use Of Innovative Tech	Noelle Fields, Courtney Cronley, Stephen Mattingly, Erin R Murphy*, Vivian J Miller*	University of Texas at Arlington
	3:45 PM- 5:30 PM	L - 1608	149	Making Rural Transit Better	Development of the Cost Baseline for Achieving Excellence in Rural Transit Facilities	Sharareh (Sherri) Kermanshachi, Elnaz Safapour*	University of Texas at Arlington
	3:45 PM- 5:30 PM	L - 1598	204B	Advancements in Geosynthetic Applications and Testing	Effect of Modified Moisture Barrier on the Slope Stabilized with Recycled Plastic Pins	Anuja Sapkota*, Sahadat Hossain, Pratibha Pandey*	University of Texas at Arlington

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
TUES, JAN 15	3:45 PM- 5:30 PM	L - 1588	140B	Location, Travel Behavior, and Environmental Justice	Location Efficiency and Transportation Equity: Empirical Evidence from a National Study on Transportation Affordability of HUD Housing Assistance Programs	Jinat Jahan*, Shima Hamidi	University of Texas at Arlington
	3:45 PM- 5:30 PM	P - 1703	Hall A	Environmental Justice Poster Session	Serving the Riders that Need it: Understanding the Causes of Service Inequity in Multijurisdictional Transit Agencies	David Weinreich, Shima Hamidi, Ahmad Bonakdar, Reza Sardari*, Somayeh Moazzeni*	University of Texas at Arlington
	3:45 PM- 5:30 PM	P - 1622	Hall A	Updates on Emerging Technologies and Performance Assessments of Asphalt Paving	An Equivalence Between Methods Of Aging For Determining The Low-Temperature Performance Of Asphalt Mixtures	Abu Sufian Mohammad Asib*, Pedro Romero, Faramarz Safazadeh*	University of Utah
	3:45 PM- 5:30 PM	P - 1636	Hall A	Transit Capacity and Quality of Service	Coverage Vs Frequency: Is Spatial Coverage or Temporal Frequency More Impactful on Transit Ridership?	Torrey Lyons*, Reid H. Ewing	University of Utah
	3:45 PM- 5:30 PM	P - 1635	Hall A	Pedestrian Planning and Analysis	Neighborhood- and Street-level Built Environment Characteristics Related to Pedestrian Activity in a Western U.S. County	Reid Ewing, Sadegh Sabouri*	University of Utah
WED, JAN 16	8:00 AM- 9:45 AM	P - 1709	Hall A	Bus Transit Research and Practices, Part 2 (Part 1, Session 1573)	Analysis and Application of Log-Linear and Quantile Regression Models to Predict Bus Dwell Times	Travis Glick*, Miguel Figliozi	Portland State University
	8:00 AM- 9:45 AM	P - 1700	Hall A	Travel Demand Models R Us	Household Trip Generation And The Built Environment: Does More Density Mean More Trips?	Kelly Clifton, Jaime Orrego Onate*	Portland State University
	8:00 AM- 9:45 AM	L - 1669	140B	Causal Economic Development Impacts of Transportation Investments	Presiding	Jenny Liu	Portland State University
	8:00 AM- 9:45 AM	P - 1695	Hall A	Built Environment and Travel Choice	Testing the constant commuting time hypothesis amid substantial changes to transportation and land use: case study of Portland, Oregon 1994-2011	Huajie Yang*, Liming Wang	Portland State University
	8:00 AM- 9:45 AM	L - 1664	152A	Improving Emergency Response with Multimodal Evacuations	Analysis Of Flood Vulnerability And Transit Availability With A Changing Climate In Harris County, Texas	Joshua Pulcinella*, Arne M. E. Winguth, Diane Jones Allen,	University of Texas at Arlington

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
WED, JAN 16	8:00 AM-9:45 AM	P - 1705	Hall A	Advanced Concepts for Intersections and Interchanges	Implications of Spatial Distribution of Crashes on the Safety Analysis of Closely-Spaced Entrance-Exit Ramps	Fahmid Hossain*, Juan Medina	University of Utah
	8:00 AM-9:45 AM	P - 1692	Hall A	Logistics of Disaster Response, Business Continuity, and Humanitarian Aid	Improve Disaster Communication In Hyperlocal Online And Offline Communities Using Social Media: A Case Study Of The 2015 Nepal Earthquake	Xianfeng Yang	University of Utah
	8:00 AM-9:45 AM	P - 1700	Hall A	Travel Demand Models R Us	Intrazonal or Interzonal? Improving Intrazonal Travel Forecast in a Four-Step Travel Demand Model	Sadegh Sabouri*, Torrey Lyons*, Reid H. Ewing	University of Utah
	10:15 AM-12:00 PM	P - 1499	Hall A	Bicycle Transportation Research	Exploring the Impacts of Traffic Characteristics on Bicycle-Vehicle Conflicts	Sirisha Kothuri	Portland State University
	10:15 AM-12:00 PM	P - 1499	Hall A	Bicycle Transportation Research	How Technology can affect the Demand for Bicycle Transportation: The State of Technology and Projected Applications of Connected Bicycles	John Macarthur, Michael Harpool*	Portland State University
	10:15 AM-12:00 PM	P - 1499	Hall A	Bicycle Transportation Research	Maturing urban cycling: comparing Barriers and Motivators to bicycle in Lisbon, Portugal	Kelly Clifton	Portland State University
	10:15 AM-12:00 PM	C - ANF10(1)	MM, Marquis Ballroom Salon 13 (M2)	Pedestrian Research Subcommittee	Presiding	Sirisha Kothuri	Portland State University
	10:15 AM-12:00 PM	P - 1747	Hall A	Collaboration and Innovation in Performance-Based Metropolitan Planning, System Management, and Analysis	An Online Interactive Experiment to Evaluate Tradable Mobility Credit Schemes	Yi-Chang Chiu	University of Arizona
	10:15 AM-12:00 PM	P - 1749	Hall A	Impacts of Information Communication and Technologies on Transportation	Destination Prediction from Mobile App Data Using Ensemble Bayesian Network	Ali Arian, Kuo-Shuan Peng*, Yi-Chang Chiu, Chih-Wei Hsieh	University of Arizona
	10:15 AM-12:00 PM	P - 1749	Hall A	Impacts of Information Communication and Technologies on Transportation	Studying the Behavioral Transition of Navigation App Users Using Longitudinal Observation Data	Melrose Pan*, Yi-Chang Chiu, Ali Arian	University of Arizona

DAY	TIME	#	ROOM	SESSION	PRESENTATION	RESEARCHERS	UNIVERSITY
WED, JAN 16	10:15 AM-12:00 PM	P - 1499	Hall A	Bicycle Transportation Research	Rethinking Streets for People on Bikes: An Evidence-Based, Visual Guide of Completed Street Retrofits	Marc Schlossberg (UO), John Rowell (UO), Roger Lindgren (Oregon Tech), Dave Amos (Oregon Tech)	University of Oregon, Oregon Institute of Technology
	10:15 AM-12:00 PM	L - 1728	204C	Evaluation and Design for Culvert Rehabilitation	Review Of Literature For Cured-In-Place Pipe (Cipp) Chemical Emissions And Worker Exposures	Vinayak Kaushal*, Gomathy R. Iyer*, Mohammad Najafi, Melanie Sattler, Kevin Schug	University of Texas at Arlington
	10:15 AM-12:00 PM	L - 1733	Salon A	Traffic Signal Control Using Connected Automated Vehicle Trajectory Data	Smart Signal Control System for Accident Prevention and Arterial Speed Harmonization Under Connected Vehicle Environment	Xianfeng Yang, Zhao Zhang*	University of Utah
	10:15 AM-12:00 PM	P - 1747	Hall A	Collaboration and Innovation in Performance-Based Metropolitan Planning, System Management, and Analysis	State-of-the-Practice in Connecting and Coordinating Transportation and Land Use Planning in the U.S.	Sadegh Sabouri*, Amanda Dillon*, David Proffitt*, Reid H. Ewing	University of Utah
	2:30 PM-4:00 PM	L - 1769	147B	Bus Transit Operations and Intelligent Transportation Systems	Evaluation Of Bus-Bike And Bus-Right Turn Traffic Delays And Conflicts	Katherine Keeling*, Travis Glick*, Miguel Figliozzi	Portland State University
	2:30 PM-4:00 PM	L - 1757	147A	Data Innovations for State and Regional Freight Planning	Leveraging A Permanent Freight Data Collection Infrastructure And Archive System: Visualizing Urban Truck Temporal And Spatial Dynamics	Avinash Unnikrishnan, Rajit Garg*	Portland State University
	2:30 PM-4:00 PM	P - 1774	Hall A	Funding and Financing Surface Transportation: What Will the Future Bring	Examining the Effectiveness of App-based Incentive Systems for Peak Spreading	Ali Arian, Yi-Chang Chiu	University of Arizona
	2:30 PM-4:00 PM	P - 1774	Hall A	Funding and Financing Surface Transportation: What Will the Future Bring	The Impacts of Autonomous Vehicles on Local Transportation Budgets	Rebecca Lewis	University of Oregon
	2:30 PM-4:00 PM	P - 1774	Hall A	Funding and Financing Surface Transportation: What Will the Future Bring	Measuring the Governance of Public Transportation Systems in U.S. Metropolitan Areas	David Weinreich, Shima Hamidi	University of Texas at Arlington
	4:30 PM-6:00 PM	L - 1785	Salon A	Innovative Technologies and Methods to Analyze Pedestrian Behavior	Development and Testing of a Toolkit for Collecting Qualitative Pedestrian Environment Data	Monica Landgrave-Serrano*, Arlie Adkins, Nicole Iroz-Elardo, Maia Ingram	University of Arizona