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Date	Time (East)	#	Type	Session	Presentation Title	Presenters	Abstract
1/5/2021	10:00 AM - 11:30 AM		C	Pedestrian Research Symposium	<b>Presiding-</b>	Srisha Kothuri, PSU; Nick Ferenchak	
1/6/2021	12:00 PM - 1:30 PM		C	Emerging Vehicles for Local Transportation	<b>Presiding-</b>	Christopher Cherry, University of Tennessee	
1/6/2021	6:00 - 7:30 PM			CUTC Awards Banquet	---	Awardees: Hau Hagedorn, PSU Gabriella Abou-Zeid, PSU	TREC associate director Hau Hagedorn and PSU masters student Gabby Abou-Zeid will both be honored at the virtual CUTC Awards Banquet.
1/8/2021	2:00 PM - 5:00 PM		C	Research Innovation Initiative	<b>Presiding-</b>	Cynthia Jones, Ohio Department of Transportation	
1/11/2021	4:00 PM - 5:30 PM		C	Transit, Freight and Logistics	<b>Presiding-</b>	Avinash Unnikrishnan, PSU	
1/25/2021	11:30 AM - 1:00 PM	1069	P	Pedestrian Behaviors, Walking	<a href="#">Driver Yielding and Pedestrian Performance at Midblock Crossings on Three-lane Roadways with Rectangular Rapid Flashing Beacons</a>	Frank Appiah, PSU; Srisha Kothuri, PSU	FRRFBs have proven to be a useful tool for improving driver yielding and safety of pedestrians at midblock crossings. This paper presents
1/25/2021	1:00 PM - 2:30 PM	1099	P	Exposure to Risk, Stress	<a href="#">Measuring Pedestrian Level of Stress in Urban Environments: A Naturalistic Walking Pilot Study</a>	Seth LaJeunesse, University of North Carolina	Walking is the most basic and sustainable mode of transportation, and many jurisdictions desire increased walking rates to reduce congestion
1/25/2021	1:00 PM - 2:30 PM	1108	P	Micromobility	<a href="#">The Perspectives on E-scooters Use: A Longitudinal Approach to Understanding E-scooter Travel Behavior in Portland, Oregon</a>	Nicholas Puczkowskyj, PSU; Minju Kim, PSU	Unique travel behavior patterns are observed as shared electric scooters (e-scooters) provided by private operators expand into U.S. cities
1/25/2021	2:30 PM - 4:00 PM	1113	P	Dwight David Eisenhower	<a href="#">Household provisioning in response to COVID-19: How are online shopping platforms shifting travel behavior?</a>	Gabriella Abou-Zeid, PSU	The rise of e-commerce and availability of fast and/or free delivery engendered a new wave of online platforms for ordering food and household
1/25/2021	2:30 PM - 4:00 PM	1113	P	Dwight David Eisenhower	<a href="#">Potential Access for Common Carrier Parcel Lockers at Transit Facilities in Portland, Oregon</a>	Katherine Keeling, PSU	Transit goals have typically focused on commuter trips but facilitating urban last-mile freight logistics is a potential strategy to mitigate transit
1/25/2021	2:30 PM - 4:00 PM	1113	P	Dwight David Eisenhower	<a href="#">The use and influence of health indicators in transportation decision-making</a>	Kelly Rodgers, PSU	Research on health and transport has increased significantly in the past 20 years, both across health and transportation fields. Research
1/26/2021	11:00 AM - 12:00 PM	1153	P	Measuring Pedestrian Experiences	<a href="#">Learning from Black pedestrian experiences in Portland, Oregon</a>	Lincoln Edwards, University of Arizona Arlie Adkins, University of Arizona Tara Goddard, Texas A&M University Kimberly Kahn, PSU Jaboa Lake, PSU	This paper presents the analysis of a series of focus groups conducted with Black pedestrians in Portland, Oregon in 2017. The aim of the research was to
1/26/2021	10:00 AM - 11:00 AM	1151	L	Equity of Innovative Mobility	<a href="#">Making Micromobility Equitable for All: The Travel Behavior of Immigrants in the U.S.; the Immigrant Effect for Carsharing, Ridesharing, and Bikes</a>	John MacArthur, PSU	This session covers various aspects of equity associated with new, innovative, and emerging concepts, systems and technologies that are
1/26/2021	1:00 PM - 2:30 PM	1203	P	Advances in Travel Behavior	<a href="#">Impact of COVID-19 on Traffic Signal Systems: A Survey of Agency Interventions and Observed Changes in Pedestrian Activity</a>	Sangwan Lee, PSU; Michael Smart, PSU	Recent changes to the transportation system, including the emergence of new mobility services, and the nature of immigration may have
1/26/2021	2:30 PM - 4:00 PM	1211	P	Multimodal Traffic Signal	<a href="#">An Empirical Study of the Impacts of Bicycles on Passenger Car Speeds on Urban Roads without Bicycle Lanes</a>	Patrick Singleton, Utah State University Jaclyn Schaefer, PSU Miguel Figliozzi, PSU	The COVID-19 pandemic, the most significant public health crisis since the 1918-1919 influenza epidemic, is the first such event to occur
1/26/2021	2:30 PM - 4:00 PM	1209	P	Omnibus Bicycle Research	<a href="#">Injury Severity Analysis of Drivers of Large Trucks at Unsignalized Intersections</a>	Avinash Unnikrishnan, PSU	Increasing the bicycle mode share has been suggested as part of a solution to reduce the burden of additional traffic that continued urban
1/26/2021	4:00 PM - 5:30 PM	1249	P	Truck and Bus Safety Research	<a href="#">Bi-objective Optimization for Battery-Electric Bus Deployment Considering Cost and Environmental Equity</a>	Nabeel Al-Bdairi, University of Wasit, Iraq	Although there has been a growing interest in comprehending large-truck crash severity in recent years, what is still not completely understood
1/27/2021	2:30 PM - 4:00 PM	1316	P	Alternative Fuel Vehicle	<a href="#">A Blueprint for the Post-COVID Era: Planning for Health Equity, Advocacy &amp; Leadership (PHEAL)</a>	Yirong Zhou, University of Utah; Xiaojin Zhou, PSU	Sustainable development of transport system has been the consensus across the world for the past decades. Environmental awareness
1/27/2021	2:30 PM - 4:00 PM	1315	P	Health, Equity, Resilience	<a href="#">Estimating Pedestrian Delay at Signalized Intersections Using Finite Mixture Modeling</a>	Kelly Rodgers, PSU	Consistent with the TRB 100th annual meeting theme that calls for a focus on quality of life, the PHEAL principles re-conceptualize our
1/27/2021	2:30 PM - 4:00 PM	1062	P	Advances in Traffic Monitoring	<a href="#">Hybrid Artificial Intelligence Models for Work Zone Crash Frequency Analysis at Bridge Locations</a>	Abolfazl Karimpour, University of Arizona	Estimating accurate pedestrian delay is necessary, as it is one of the fundamental multimodal signal performance measures. It has been
1/27/2021	4:00 PM - 5:30 PM	1327	P	Safety Performance and Planning	<a href="#">Households with Constrained Off-Street Parking Drive Fewer Miles</a>	Seyedmirsajad Mokhtarmousavi, Florida State University	Crash characteristics differ from location to location, as well as over time, along with varying features of participants at fault, environment
1/28/2021	11:30 AM - 1:00 PM	1374	P	Planning for People and Places	<a href="#">Transportation Wallet for Residents of Affordable Housing: Evaluation of an Incentives Pilot Program in Portland, Oregon</a>	Gabriella Abou-Zeid, PSU; Kristina Ciari, PSU	Parking supply is one of the most neglected elements of the built environment in travel behavior research, despite evidence linking parking
1/28/2021	4:00 PM - 5:30 PM	1415	P	New research on travel demand	<a href="#">The impact of product type on household deliveries: Trends and factors affecting COVID-19 lockdown deliveries</a>	Huijun Tan, PSU; Nathan McNeil, PSU	This study looked at initial results from the Transportation Wallet for Residents of Affordable Housing (TWRAH) pilot program launched in
1/29/2021	10:00 AM - 11:00 AM	1432	P	Tools and Techniques to Support	<a href="#">Analysis of Home Deliveries Before, During, and After COVID-19 outbreak lockdown</a>	Miguel Figliozzi, PSU; Avinash Unnikrishnan, PSU	E-commerce volumes and household deliveries have experienced steady growth in the last two decades. Lately, COVID-19 lockdowns have
1/29/2021	10:00 AM - 11:00 AM	1432	P	Tools and Techniques to Support	<a href="#">Valuing Public Acceptance of Autonomous Delivery Robots During COVID-19 Pandemic: Consumer Heterogeneity in Attitudes, Trust and Willingness to Pay</a>	Avinash Unnikrishnan, PSU; Miguel Figliozzi, PSU	The COVID-19 pandemic and government-mandated lockdowns have significantly affected all facets of our life, including our shopping
1/29/2021	10:00 AM - 11:00 AM	1432	P	Tools and Techniques to Support	<a href="#">A Case Study of Drone Delivery Reliability For Time-sensitive Medical Supplies With Stochastic Demand and Meteorological Conditions</a>	Agnivesh Pani, University of Memphis	The introduction of autonomous delivery robot (ADR) technology for last-mile freight deliveries is a valuable step towards low-carbon logistics
1/29/2021	10:00 AM - 11:00 AM	1432	P	Tools and Techniques to Support	<a href="#">Potential for Common Carrier Parcel Lockers at Transit Facilities in Portland, Oregon</a>	Travis Glick, PSU; Miguel Figliozzi, PSU	Drones are increasingly being utilized to deliver medical supplies, and the COVID-19 pandemic has accelerated this trend. Drones are
1/29/2021	10:00 AM - 11:00 AM	1432	P	Tools and Techniques to Support	<a href="#">The Property Value Premium of the Proximity to the Carsharing and Bikes</a>	Katherine Keeling, PSU; Jaclyn Schaefer, PSU	Transit goals have typically focused on commuter trips but facilitating urban last-mile freight logistics is a potential strategy to mitigate transit
1/29/2021	11:30 AM - 1:00 PM	1438	P	Firm Location Decisions	<a href="#">Equity and Exclusion Issues in Automated and Cashless Fare Payment Systems for Public Transportation</a>	Sangwan Lee, PSU; Aaron Golub, PSU	A large body of literature and theories has revealed that the transportation accessibility can trigger at least modest premium on property
1/29/2021	2:30 PM - 4:00 PM	1465	P	Public Transportation Fairness	<a href="#">Automated and Cashless Fare Payment Systems for Public Transportation</a>	Aaron Golub, PSU; Anne Brown, PSU	Many transit agencies plan to automate their fare collection and limit the use of cash, with the goals of improving boarding, data collection