Third Annual Emerging Scholars Transportation Research Symposium

Day One - Tuesday, March 2nd, 2021

9 am **Welcome and Opening Remarks**

Dr. Genevieve Giuliano; Director, Pacific Southwest Region University Transportation Center; Professor, Sol Price School of Public Policy, University of Southern California (USC)

9:15 am **Session 1 – Transportation and the Environment**

Discussant: Dr. Genevieve Giuliano
Director, Pacific Southwest Region University Transportation Center;
Professor, Sol Price School of Public Policy, University of Southern California (USC)

Estimating Hourly PM2.5 Concentrations at the Neighborhood Scale Using a Low-Cost Air Sensor Network: A Los Angeles Case Study
Yougeng Lu
PhD Candidate, Urban Planning and Development, Sol Price School of Public Policy, USC

Operational Considerations of Zero Emission Heavy-duty Trucks - Perspectives from the Trucking Industry
Sue Dexter
PhD Candidate, Urban Planning and Development, Sol Price School of Public Policy, USC

Pluralizing Transportation Epistemologies
Teo Wickland, PhD Candidate, Urban Planning
Department of Urban Planning, University of California, Los Angeles (UCLA)

10:45 am **Break**

11:00 am **Session 2 – Transportation and Natural Disasters**

Discussant: Dr. Susan Handy
Director, National Center for Sustainable Transportation
Professor, Department of Environmental Science and Policy, UC Davis

Assessing Barriers to Green Infrastructure for Flood Mitigation
Sequoia Riley, PhD Candidate, Urban and Regional Planning
Department of Urban and Regional Planning, University of Hawaii

Equity and Wildfires in California: Evidence from the 2018 Camp Fire and Literature
Sarah Grajdura, PhD Candidate, Civil and Environmental Engineering
Civil and Environmental Engineering Department, University of California, Davis (UC Davis)

12:00 pm **Keynote**

Roundabouts of a Figurative Kind: The Ideas that Shape our Transportation Future
Dr. Susan Handy
Director, National Center for Sustainable Transportation
Professor, Department of Environmental Science and Policy, UC Davis

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Day Two - Wednesday, March 3rd, 2021

9 am **Welcome Day Two**

9:15 am **Session 3: Freight Routing and Modeling**

Discussant: Dr. Thomas O'Brien
Executive Director, Center for International Trade and Transportation, CSULB

Mixed Freight Routing and Load Balancing with Co-Simulation Optimization Approach
Pengfei Chen, PhD Candidate, Electrical Engineering, Ming Hsieh Department of Electrical and Computer Engineering, Viterbi School of Engineering, USC

Container Movement Modeling with Double Container Trucks under Stochastic Demand
Siyuan Yao, PhD Student, Industrial and Systems Engineering, Daniel J. Epstein Department of Industrial & Systems Engineering, Viterbi School of Engineering, USC

Personalized Pareto-Improving Pricing-and-Routing Schemes for Near-Optimum Freight Routing: An Alternative Approach to Congestion Pricing
Aristotelis Angelos Papadopoulos, PhD Candidate, Electrical and Computer Engineering, Ming Hsieh Department of Electrical and Computer Engineering, Viterbi School of Engineering, USC

10:45 am **Break**

11:00 am **Session 4: Mobility**

Discussant: Dr. Anastasia Loukaitou-Sideris, Associate Dean of the UCLA Luskin School of Public Affairs, Distinguished Professor of Urban Planning, UCLA

Neighborhood Change and Travel Behavior in California's Transit Rich Neighborhoods
Hannah King, PhD Candidate, Community and Regional Planning
Department of Urban Planning, University of California, Los Angeles (UCLA)

Are TNCs Eating Transit's Lunch?
Evidence from the US National Household Travel Survey 2009 and 2017
Farzana Khatun, PhD Candidate, Transportation Science
Institute of Transportation Studies, University of California Irvine (UCI)

12:00 pm **Keynote**

Policies Matter – The Widespread Impact of Climate Regulations
Senator Fran Pavley, Environmental Policy Director, USC Schwarzenegger Institute

Event Closing Remarks
Dr. Genevieve Giuliano
Director, Pacific Southwest Region University Transportation Center
Professor, Sol Price School of Public Policy, University of Southern California (USC)