

Sunday, 1/13/19

Gustavo de Andrade

Workshop: 1032, Doctoral Student Research in Transportation Operations and Traffic Control

Location: Convention Center 101

Time: Sunday, 01/13/2019, 9 AM – 12 PM

Presentation Title: Relationship between Traffic Operations and Road Safety

Wei Sun

Workshop: 1032, Doctoral Student Research in Transportation Operations and Traffic Control

Location: 101/Convention Center

Time: Sunday, 1/13/2019, 9:00 AM- 12:00 PM

Dissertation: Freeway network travel time reliability analysis

Monday, 1/14/19

Gustavo de Andrade

Poster Session: 1162, Surrogates, Conflicts, and Other Indirect Measures to Quantify Safety and Risk

Location: Convention Center Hall A

Time: Monday, 8 AM – 9:45 AM

Event Type: Poster Session

Presentation Title: Relationship between Traffic Density and Crash Rates on Expressways

Co-Authors/Speakers: Dr. Lily Elefteriadou (UF)

Dr. Siva Srinivasan

Lectern Session: 1101, Current Trends in Geographic Information Science and Applications—Hybrid Session

Time: Monday, 8:00 AM - 9:45 AM

Location: Convention Center, 150A

Title: An Improved Automated Method for Roadway Horizontal Curve Identification Using GIS Data

Co-Author/Speaker: Ilir Bejleri (UF), Xingjing XU (UF), Daniel Brown (UF), Nithin Agarwal (UF)

Xi Duan

Poster Session: 1312, Simulation, Modeling, and Measurement of Driver Behavior

Location: Hall A/Convention Center

Time: Monday, 1:30PM - 3:15PM

Paper: Safety Assessment of Ecodriving Vehicles On Following Traffic

Co-Author/Speaker: Montasir Abbas (Virginia Polytechnic Institute and State University)

Pruthvi Manjunatha

Poster Session: 1312, Simulation, Modeling, and Measurement of Driver Behavior

Location: Convention Center, Hall A

Time: Monday, 1:30 PM – 3:15 PM

Presentation Title: A Framework for Incorporating Human Factors in Microsimulation Using Driving Simulator Observations

Co-Author/Speaker: Dr. Lily Elefteriadou (UF)

Abraham Yarney

Poster Session: 1313, SHRP 2 Naturalistic Driving Study Student Posters

Location: Hall A / Convention Center

Time: Monday, 1:30PM - 3:15PM

Paper: P19-21181 - Factors Impacting the Likelihood of Near-Crashes and Crashes

Dr. Scott Washburn

Poster Session: 1305, The Common Denominator: Effects of Speed on Road Design (7)

Location: Hall A / Convention Center

Time: Monday, 1:30 PM - 3:15 PM

Paper: 19-03668 - Investigation of Passing Section Optimal Length on 2+1 Highways

Posterboard Location Code: B438

Co-Author/Speakers: Amirhossein Jafari (I.S. Engineers, LLC), Ahmed Al-Kaisy (Montana State University)

Marilo Martin Gasulla

Poster Session: 1382, Assessing Safety and Traffic Impacts of Connected and Automated Vehicle Systems

Time: Monday, 6:00 PM-7:30 PM

Location: Convention Center, Hall A

Poster title: Investigation of the Impact on Throughput of Connected Autonomous Vehicles with Headway Based on Leading Vehicle Type

Co-Author/Speakers: Peter Sukennik (PTV Group), Jochen Lohmiller (PTV Group)

Tuesday, 1/15/19**Yu Han**

Poster Session: 1426, Climate Change and Decarbonization

Location: Hall A / Convention Center

Time: Tuesday, 8:00AM - 9:45AM

Paper: 19-04497 - Evaluating the Accessibility of Highway Network and Community Cost from the Damage of Coastal Storms

Co-Author/Speaker: Zhong-ren Peng (UF)

Marilo Martin Gasulla

Poster Session: 1498, Uninterrupted Flow

Time: Tuesday, 10:15 AM - 12:00 PM

Location: Convention Center, Hall A

Poster Title: Comparing Alternatives of a 2+1 Highway with Two-Lane Highways through Simulation

Co-Author/Speakers: Manuel G. Romana (Universidad Politécnica de Madrid), Ana Moreno (Technical University of Munich)

Lectern Session: 1604, Advancing Aspects of Roundabout Design through Research

Time: Tuesday, 3:45 PM - 5:30 PM

Location: Convention Center, 103A

Co-Author/Speaker: Dr. Lily Elefteriadou (UF)

Aschkan Omidvar

Poster Session: 1496, Technologies and Applications for Connected and Automated Driving Vehicle Systems

Location: Hall A/Convention Center

Time: Tuesday, 10:15 AM - 12:00 PM

Title: Optimizing Freeway Merge Operations under Conventional and Automated Vehicle Traffic

Co- Authors/Speakers: Mahmoud Pourmehrab (UF), Dr. Lily Elefteriadou (UF), Dr. Clark Letter (UF)

Mahmoud Pourmehrab

Poster Session: 1496, Technologies and Applications for Connected and Automated Driving Vehicle Systems

Location: Hall A/Convention Center

Time: Tuesday, 10:15 AM - 12PM

Title: Optimizing Freeway Merge Operations under Conventional and Automated Vehicle Traffic

Co-Authors/Speakers: Aschkan Omidvar (UF), Dr. Lily Elefteriadou (UF), Dr. Clark Letter (UF)

Fabio Sasahara

Poster Session: 1498, Uninterrupted Flow

Session Time: Tuesday, 10:15 AM- 12 PM

Paper Title: A Lane-by-lane Analysis Framework for Conducting Highway Capacity Analyses at Freeway Segments

Presentation Number: 19-03250

Co-Author/Speakers: Dr. Lily Elefteriadou (UF), Shen Dong (UF)

Dr. Scott Washburn

Lectern Session 1470, A Medley of Operational Effects Topics

Location: Salon A / Convention Center

Time: Tuesday, 10:15 AM-12:00 PM

Paper: 19-01302 - Investigation of Passing Lane Optimum Length on Two-Lane Highways

Co-Author/Speakers: Amirhossein Jafari (I.S. Engineers, LLC), Ahmed Al-Kaisy (Montana State University)

Dr. Ruth Steiner

Poster Session: 1702, Innovations in Modeling and Assessing Sustainability in Transportation

Location: Convention Center, Hall A

Time: Tuesday, 10:15 AM – 12 PM

Poster Title: Innovation in Municipal Traffic Impact Assessment Approaches: A Case Study in North Carolina

Co-Authors/Speakers: Tabitha S Combs (University of North Carolina, Chapel Hill), Noreen McDonald, (University of North Carolina, Chapel Hill), William Leimenstoll (University of North Carolina)

Mengjie Han

Poster Session: 1568, Transit Agency Perceptions of Transportation Network Companies and Automated Technology

Time: Tuesday, 1:30 PM - 3:15 PM

Location: Convention Center, Hall A

Title: Understanding Transit Agency Perceptions About Transportation Network Companies, Shared Mobility, and Autonomous Transit

Co-Author/Speakers: Mengjie Han (UF), Matthew Dean (University of Virginia), Pedro Adorno (UF), Parfait Masungi (University of Texas San Antonio), Ruth Steiner, (UF), Kevin Salzer (Jacksonville Transportation Authority)

Dr. Lily Elefteriadou

Lectern Session: 1509, Integrating Research and Technology Transfer

Time: Tuesday, 1:30 PM – 3:15 PM

Location: Convention Center, 150B

Title: Research Results Implemented into Practice

Dr. Lili Du

Committee Meeting: Emerging Technologies in Network Modeling, ADB30(5)

Time: Tuesday, 3:45 PM - 5:30 PM

Location: Marriott Marquis, Independence A (M4)

Presiding

Dr. Siva Srinivasan

Poster Session: 1568, Transit Agency Perceptions of Transportation Network Companies and Automated Technology

Time: Tuesday, 1:30 PM - 3:15 PM

Location: Convention Center, Hall A

Title: Understanding Transit Agency Perceptions About Transportation Network Companies, Shared Mobility, and Autonomous Transit

Co-Author/Speakers: Mengjie Han (UF), Matthew Dean (University of Virginia), Pedro Adorno (UF), Parfait Masungi (University of Texas San Antonio), Ruth Steiner, (UF), Kevin Salzer (Jacksonville Transportation Authority)

Wednesday, 1/16/19

Pruthvi Manjunatha

Poster Session: 1704, Traffic Flow Theory and Characteristics, Part 4

Location: Convention Center, Hall A

Time: Wednesday, 8:00 AM- 9:45 AM

Presentation Title: Validating the Task-Capability Extension to the Intelligent Driver Model Using Driving Simulator Data

Co-Authors/Speakers: Vishal Kummetha (University of Kansas), Alexandra Kondyli (University of Kansas), Dr. Lily Elefteriadou

Dr. Lili Du

Poster Session: 1704, Traffic Flow Theory and Characteristics, Part 4

Location: Convention Center, Hall A

Time: Wednesday, 8:00 AM- 9:45 AM

Poster Title: Cooperative Platoon Control for a Mixed Traffic Flow Including Human-Driven Vehicles and Connected and Autonomous Vehicles

Presentation Number: 19-03607

Co-Author/Speaker: Siyuan Gong (Purdue University)

Ala Alobeidyeen

Poster Session: 1780, Transportation Network Modeling Mega Poster Session

Location: Hall A / Convention Center

Time: Wednesday, 2:30PM - 4:00PM

Paper: Information Dissemination Dynamics through Vehicle-to-Vehicle Communication Over Transportation Network

Co-Authors/Speakers: Dr. Lili Du (UF)

Wang Peng

Poster Session: 1779, Behavioral Network Analysis

Time: Wednesday, 2:30 PM- 4:00 PM

Location: Convention Center, Hall A

Title: Clustering Based Online Coordinated In-Vehicle Routing Built on Understanding the Competition Potential Among Travelers on Network Route Resources

Co-Authors/Speakers: Dr. Lili Du (UF)

Dr. Lily Elefteriadou

Lectern Session: 1781, Intelligent Transportation Systems Project Updates

Time: Wednesday, 2:30 PM- 6:00 PM

Location: Convention Center, Salon C

Title: Moving from Research and Development to Field Deployment: Florida's Connected and Automated Vehicle Program

Dr. Siva Srinivasan

Poster Session: 1776, Transportation Issues and Solutions in Major Cities

Time: Wednesday, 2:30 PM- 4:00 PM

Location: Convention Center, Hall A

Title: Using a Spatially Aware Survey Method to Examine New York City Ride-Hailing Users' Residential Proximity to Transit, Mode-Shift Behavior, and Emerging Technology Outlooks

Co-Author/Speakers: Les Brown (ICF), Ruth Steiner (UF), Kari Watkins (Georgia Tech)

TRB Committee Activity

Ines Aviles-Spadoni

Co-Chair of ABG20(6) Ahead of the Curve, Subcommittee (Parent committees are Conduct of Research, ABG10, and Transportation Education and Training, ABG20). Ms. Aviles-Spadoni's co-chair is Mr. David Jared, P.E., Georgia Department of Transportation.

Description: The Ahead of the Curve subcommittee has been tasked with coordinating the continuation of a training program that enhances the knowledge, skills and abilities of those who manage transportation research.

Dr. Lily Elefteriadou

Member of AH000 Operations and Preservation Group

Description: The Operations and Preservation Group consists of one committee and two sections including Operations; and Maintenance and Preservation. These sections include 26 committees that propose research, share research findings, sponsor special activities, and provide a forum for transportation professionals to discuss today's and tomorrow's operations and preservation-related transportation issues.

Dr. Siva Srinivasan

Member of ADB10 Standing Committee on Traveler Behavior and Values.

Description: The committee is concerned with promoting research and disseminating research results on traveler values, attitudes, and behavior.

Dr. Lili Du

Member of ADB30 Standing Committee on Transportation Network Modeling

Description: The committee promotes research and information exchange in transportation network modeling, an interdisciplinary field spanning Computer Science, Logistics, Mathematics, Operations Research, Telecommunications, and Transportation Science.

Dr. Ruth Steiner

Member of ABG50 Standing Committee on Transportation History

Description: The committee establishes and promotes the importance of maintaining a sense of history and preserving important historical archives among transportation professionals.

Dr. Nithin Agarwal

Member of AHB25 Standing Committee on Traffic Signal Systems

Description: This committee is concerned with provision of the safe and efficient movement of people and goods on surface streets through the use of traffic management systems.