NUTC Presentations/Participation, TRB 2015

Sunday, January 11  1:30PM – 4:30PM  Convention Center, 102A
Workshop 177: Operations and Traffic Management, Planning and Forecasting

Hani S. Mahmassani

Sunday, January 11  1:30PM – 5:PM  Convention Center, 145A
Workshop 192: Data and Information Technology, Planning and Forecasting

P15-6868: Planning Infrastructure for Electric Vehicles
Mehrnaz Ghamami

P15-6871: User-Driven Demand Adaptive Transit: Enhancing the User Experience Through Flexible Transit for Low-Density Communities
Charlotte Frei

P15-6887: Transit Network Assignment, Simulation and Frequency Setting: Integrated Approaches and Large Scale Application
Ismail Ömer Verbas

Monday, January 12  10:15AM – 12:PM  Convention Center, Salon B
Session 277: Traffic Flow Aspects of Automated Vehicles Including Mixed Traffic Considerations

Alireza Talebpour and Hani S. Mahmassani

Monday, January 12  10:45AM – 12:30PM  Convention Center, Hall E
Session 320: Factors Affecting Transit Mode Choice and Ridership

15-5733: Crime Statistics Impact on Travel Mode Choice: Case Study of the City of Chicago
Hooram Halat, Charlotte Frei, Andreas Frei, and Hani S. Mahmassani

Monday, January 12  10:45AM – 12:30PM  Convention Center, Hall E
Session 300: New Approaches to Planning and Evaluating Transportation Demand Management Strategies

15-6015: Hybrid Transit Services for Customized Mobility in Low Density Urban Areas
Charlotte Frei and Hani S. Mahmassani
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<tr>
<td><strong>Monday, January 12</strong></td>
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<tr>
<td>1:30PM – 3:15PM</td>
<td>Session 365: Current Trucking Industry Research</td>
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<td><strong>15-5997</strong>: Measuring Carrier Reservation Prices for Truckload Capacity in the</td>
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<td>Transportation Spot Marker: A Choice Experiment</td>
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<td><em>Christopher Lindsey and Hani S. Mahmassani</em></td>
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<td>2:00PM – 3:45PM</td>
<td>Session 370: Research in Transportation Economics</td>
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<td><strong>15-5201</strong>: Tradable Credit Scheme for Staggered Work Times</td>
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<td><em>Yu (Marco) Nie</em></td>
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<td>3:45PM – 5:30PM</td>
<td>Session 398: Activity Scheduling</td>
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<td><strong>15-5802</strong>: A Queueing Framework and Analysis of Observed One-Day Travel and</td>
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<td>Activity Patterns</td>
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<td><em>Hani S. Mahmassani and Roger Chen (Rochester Institute of Technology)</em></td>
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<tr>
<td>3:45PM – 5:30PM</td>
<td>Session 399: Dynamic Network Modeling</td>
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<td><strong>15-4170</strong>: Dynamic Assignment-Simulation Methodology for Multi-Modal Urban</td>
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<td>Transit Networks</td>
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<td><em>Ismail Ömer Verbas, Hani S. Mahmassani, and Michael F. Hyland</em></td>
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<td>4:15PM – 6:00PM</td>
<td>Session 395: Effective Literature and Search Reviews: Tools and Tricks for the</td>
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<td><em>Roberto A. Sarmiento, presiding</em></td>
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<td>7:30PM – 9:30PM</td>
<td>Session 453: New Year—New Issues, Methods, and Applications in Travel Modeling:</td>
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<td>Lightning Session</td>
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<td></td>
<td><strong>15-2045</strong>: Modeling Travel Time Perception in Transport Mode Choices</td>
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<td><em>Amanda Stathopoulos</em></td>
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### NUTC Presentations/Participation, TRB 2015

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<tr>
<td>Session 516: BRT, Busways and Preferential Treatments</td>
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**15-5231: Analytical Five-Phase Bus Rapid Transit Traffic Flow Model**  
*Michael F. Hyland and Hani S. Mahmassani*

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<tr>
<td>Session 506: Highway/Rail Grade Crossing Research</td>
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**15-1034: Analysis of Fatal Train-Pedestrian Collisions in Metropolitan Chicago 2004-2012**  
*Ian Savage*

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<tr>
<td>Session 492: Optimization and Network Design</td>
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*Hani S. Mahmassani*

**15-3335: Stochastic Optimal Path Problem with Relays**  
*Peng Chen and Yu (Marco) Nie*

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<tr>
<td>Session 529: Advice for Authors: Topics in Transportation Publishing and Research Dissemination</td>
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**P15-6911: Disambiguating Transportation Authors with Unique ORCID Identifiers**  
*Paul R. Burley*

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<tr>
<td>Session 591: Signal Timing Design and Optimization</td>
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*Ying Chen, Hani S. Mahmassani, Zihan Hong, Tian Hou, and Hooram Halat*

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<th>Tuesday, January 13</th>
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<tr>
<td>Session 605: Legends (and Future Legends) of Travel Demand Modeling Present Their Latest Work on Integrated Model Systems</td>
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**15-3968: Towards Integrating an Activity-Based Model with Dynamic Traffic Assignment considering Heterogeneous User Preferences and Reliability Valuation: Application to Toll Revenue Forecasting in Chicago**  
*Ali Zockaie Kheirae, Hani S. Mahmassani, Lan Jiang, Andreas Frei, and Tian Hou*
NUTC Presentations/Participation, TRB 2015

Tuesday, January 13  1:30PM – 5:30PM  Marriott Marquis, Liberty O
Special Task Force on Data for Decisions and Performance Measures Task Force
Joseph L. Schofer, presiding

Tuesday, January 13  3:45PM – 5:30PM  Convention Center, 145A
Session 673: Advanced Traveler Information and Behavioral Patterns
15-2218: Mode Switching Behavior with the Provision of Real-Time Multi-Modal Traveler Information
Andreas Frei and Hongcheng Gan

Tuesday, January 13  5:45PM – 7:15PM  Marriott Marquis, L’Enfant Plaza
5th International Transportation Systems Performance Measurement and Data Conference Task Force
Joseph L. Schofer, presiding

Tuesday, January 13  7:30PM – 9:30PM  Convention Center, 146A
Session 738: Transit and Logistics
15-3390: Finding Least Cost Hyperpaths in Multi-Modal Transit Networks: Methodology, Algorithm and Large-Scale Application
Ismail Ömer Verbas and Hani S. Mahmassani

Wednesday, January 14  8:AM – 9:45AM  Convention Center, 146A
Session 764: Life Course and Life Cycle Effects in Travel Behavior
15-5112: Walking Behavior: The Role of Childhood Travel Experience
Lama Bou Mjahed, Charlotte Frei, and Hani S. Mahmassani

Wednesday, January 14  8:AM – 12:PM  Marriott Marquis, Liberty I
Library and Information Science for Transportation Committee
Roberto A. Sarmiento, presiding

Wednesday, January 14  8:30AM – 10:15AM  Convention Center, Hall E
Session 786: Contemporary Research in Land Use and Transportation Planning
15-3950: Land Use and Travel Behavior: Empirical Evidence of the Effects of Mixed-Use Development on Travel Mode Choice in Chicago
Hooram Halat and Hani S. Mahmassani
NUTC Presentations/Participation, TRB 2015

Wednesday, January 14  8:30AM – 10:15AM  Convention Center, Hall E
Session 785: Travel Demand Models R Us Poster Session

P15-6483: Modeling Travel Time Perception in Transport Mode Choices (15-2045)
Amanda Stathopoulos

P15-6495: Integrating an Activity-Based Model with Dynamic Traffic Assignment considering Heterogeneous User Preferences and Reliability Valuation: Application to Toll Revenue Forecasting in Chicago (15-3968)
Ali Zockaie Kheiraie, Hani S. Mahmassani, Lan Jiang, Andreas Frei, and Tian Hou

Wednesday, January 14  10:15AM – 12:PM  Convention Center, 152A
Session 799: Data Needs for the Future – The Big Picture

P15-6322: History as Guide and not Crutch
Joseph L. Schofer

Wednesday, January 14  10:15AM – 12:PM  Convention Center, Salon A
Session 812: Modeling and Traffic Management on Large-Scale Urban Networks

15-5443: Trajectory Clustering for Discovering Spatial Traffic Flow Patterns in Road Networks
Hani S. Mahmassani and Jiwon Kim (University of Queensland)

Wednesday, January 14  2:45PM – 4:30PM  Convention Center, Hall E
Session 846: Network Modeling

Hani S. Mahmassani

P15-6692: Solving the Step-Tolled Bottleneck Model with General User Heterogeneity (15-5574)
Hongyu Chen and Yu (Marco) Nie

P15-6733: Solving Fuel Station Location Problem for Alternative Fuel Vehicles (15-3013)
Ali Zockaie Kheiraie, Mehrnaz Ghamami, and Yu (Marco) Nie

Peng Chen and Yu (Marco) Nie
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P15-6691: Urban Travel Time Reliability Analysis with Consumer GPS Data (15-3269)
Qianfei Li, Yu (Marco) Nie, and Mehrnaz Ghamami

15-5385: Integrated Frequency Allocation and User Assignment in Multi-Modal Transit Networks: Methodology and Application to Large-Scale Urban Systems
Ismail Ömer Verbas and Hani S. Mahmassani

P15-6720: Finding Least Cost Hyperpaths in Multi-Modal Transit Networks: Methodology, Algorithm and Large-Scale Application (15-3390)
Ismail Ömer Verbas and Hani S. Mahmassani

Ying Cheng, Hani S. Mahmassani, and Zihan Hong

P15-6698: Dynamic Assignment-Simulation Methodology for Multi-Modal Urban Transit Networks (15-4170)
Ismail Ömer Verbas, Hani S. Mahmassani, and Michael F. Hyland

Wednesday, January 14 2:45PM – 4:30PM  Convention Center, Hall E
Session 841: Social Networks and Activity-Travel Behavior

15-5808: Exploring Activity and Destination Choice Behavior in Social Networking Data
Ying Chen, Andreas Frei, and Hani S. Mahmassani

Please note: This document attempts to present all Northwestern University Transportation Center-affiliated presentations at the Annual Meeting of the Transportation Research Board. Some presentations may include other authors or co-investigators. For complete information and a list of all presentations, workshops, and sessions, please click here.