Workshop 113
Young People’s Life Choices and Travel Behavior
9:00 AM – 12:00 PM
Convention Center, 146B
NUTC Presenter: Hani Mahmassani
Title: “I’m Too Old for This: Technology Engagement and Cohort Effects in Forecasting Activity and Travel Choices”

Workshop 149
Breaking News: How We Can Help Journalists Tell the Transportation Story
1:30 PM – 4:30 PM
Convention Center, 152B
NUTC Presider: Joseph Schofer

Workshop 181
Transportation System Simulation Manual
1:30 PM – 4:30 PM
Convention Center, 102A
NUTC Presenter: Hani Mahmassani
Title: “Content Considerations”
Monday, January 11, 2016

Session 221  
**Crowd Dynamics: Empirical Analyses, Modeling, Simulation, and Management**  
8:00 AM – 9:45 AM  
Convention Center, 103B  
**NUTC Presenters:** Lama Bou Mjahed, Hani Mahmassani, Alireza Talebpour (alum)  
Title: “Directional Analysis of Pedestrian Flow”

**Special Task Force on Data for Decisions and Performance Measures**  
8:00 AM – 12:00 PM  
Marriott Marquis, Liberty N (M4)  
**NUTC Presider:** Joseph Schofer

Session 249  
**Freeway Operations**  
8:30 AM – 10:15 AM  
Convention Center, Hall E  
**NUTC Presenters:** Amr Elfar, Hani Mahmassani, Alireza Talebpour (alum)  
Title: “Analyzing Queue Warning in a Connected Environment: Microsimulation Approach”

Session 260  
**Advanced Clustering and Optimization Tools for Traffic Operation and Control Applications**  
10:15 AM – 12:00 PM  
Convention Center, 151A  
**NUTC Presenters:** Zihan Hong, Hani Mahmassani  
Title: “Network Topology Aware Moving Object Trajectory Clustering”

Session 263  
**Social Networks, Crowdsourced Data, and Activity-Travel Choices**  
10:15 AM – 12:00 PM  
Convention Center, 156  
**NUTC Presenters:** Ying Chen, Hani Mahmassani  
Title: “Exploring Activity and Destination Choice Behavior in Two Metropolitan Areas Using Social Networking Data”
Session 265
**Modeling the Demand for New Mobility Concepts and Services**
10:15 AM – 12:00 PM
Convention Center, 145A
**NUTC Presider: Amanda Stathopoulos**
**NUTC Presenters: Michael Hyland, Hani Mahmassani, Charlotte Frei (alum)**
Title: “Assessing Potential for Demand-Adaptive Transit via Stated-Preference Choice Survey”

Emerging Methods Subcommittee, ADB40(1)
1:30 PM – 3:15 PM
Marriott Marquis, Independence H (M4)
**NUTC Presider: Amanda Stathopoulos**

Session 338
**Data Science in Transportation**
1:30 PM – 3:15 PM
Convention Center, 145A
**NUTC Presenter: Joseph Schofer**
Title: “Synthesis of Opportunities at Interface of Data Science and Transportation”

Session 414
**Integrated Traffic Flow Models and Analysis for Connected Automated Vehicles**
3:45 PM – 5:30 PM
Convention Center, 101
**NUTC Presenters: Fabian Bustamante, Hani Mahmassani, Alireza Talebpour (alum)**
Title: “Modeling Driver Behavior in a Connected Environment: Integrated Microscopic Simulation of Traffic and Mobile Wireless Telecommunication Systems”

Session 426
**Advancing Freight Fluidity: Report from Fluidity Workshop and FHWA Implementation Plan**
3:45 PM – 5:30 PM
Convention Center, 143A
**NUTC Presenter: Joseph Schofer**
Title: “Key Points from Freight Fluidity Workshop”
Session 438
Current Issues in Transportation and Air Quality
4:15 PM – 6:00 PM
Convention Center, Hall E
NUTC Presenter: Yu (Marco) Nie
Title: “Understanding Truck-Related Greenhouse Gas Emissions in Urban Logistics Networks”

Thomas B. Deen Distinguished Lecture
6:00 PM – 7:15 PM
Convention Center, 146C
NUTC Presenter: Hani Mahmassani (Deen Distinguished Lecturer)
Title: “Micro Models and Mega Data: Taming Complexity for Deep Insight and Robust Decisions”
Tuesday, January 12, 2016

Session 485
Traffic Network Management
8:00 AM – 9:45 AM
Convention Center, 146B
NUTC Presenters: Hani Mahmassani, Ali Zockaie (alum), Jiwon Kim (alum)
Title: “Network-wide Time-dependent Link Travel Time Distributions with Temporal Spatial Correlations”

NUTC Presenters: Hani Mahmassani, Yu (Marco) Nie, Ali Zockaie (alum)
Title: “Path Finding in Stochastic Time Varying Networks with Spatial and Temporal Correlations for Heterogeneous Travelers”

NUTC Presenters: Ying Chen, Zihan Hong, Hani Mahmassani
Title: “Weighted Cluster Analysis for Operational Scenario Definition in Traffic Management Applications”

Session 524
TDM at Work and Play: From Theory to Practice
8:30 AM – 10:15 AM
Convention Center, Hall C
NUTC Presenter: Yu (Marco) Nie
Title: “On the Design of Tradable Mobility Credit Strategies”

Session 528
Current Issues in Transportation Energy and Climate Change
8:30 AM – 10:15 AM
Convention Center, Hall E
NUTC Presenters: Yu (Marco) Nie, Mehrnaz Ghamami (alum), Ali Zockaie (alum)
Title: “A General Corridor Model for Designing Plug-in Electric Vehicle Charging Infrastructure to Support Intercity Travel”

Session 589
Traffic Flow Theory and Characteristics, Part 3 (23)
10:45 AM – 12:30 PM
Convention Center, Hall E
NUTC Presenters: Ömer Verbas, Hani Mahmassani, Amr Elfar
Title: “Integrated Optimization and Simulation Framework for Large-Scale Crowd Management Application”
Development of Freight Fluidity Performance Measures Task Force
1:30 PM – 3:15 PM
Marriott Marquis, Woodley Park (M3)
NUTC Presider: Joseph Schofer

Session 620
Advances in Modeling and Traffic Management for Large-Scale Urban Networks
1:30 PM – 3:15 PM
Convention Center, Salon C
NUTC Presider: Hani Mahmassani

Session 660
Emerging and Innovative Topics in Public Transport
2:00 PM – 3:45 PM
Convention Center, Hall E
NUTC Presenters: Zihan Hong, Archak Mittal, Hani Mahmassani
Title: “Effect of Bicycle-sharing on Public Transport Accessibility: Application to Chicago Divvy Bicycle-sharing System”

Session 661
Exploring Market Demand for Ridesharing and Shared Automated Vehicles
2:00 PM – 3:45 PM
Convention Center, Hall E
NUTC Presenters: Zihan Hong, Ying Chen, Hani Mahmassani
Title: “Spatial Trajectory Clustering for Potential Route Identification and Participation Analysis for Carpool Commuters”

Session 710
Critical Transportation Infrastructure Protection and Resilience
2:00 PM – 3:45 PM
Convention Center, Hall E
NUTC Presenters: Joseph Schofer, Pablo Durango-Cohen, Raymond Chan
Title: “Dynamic Learning Process for Selecting Storm Protection Investments”

Session 675
MAP-21 and Beyond in Transportation Performance Management
3:45 PM – 5:30 PM
NUTC Presenter: Joseph Schofer
Title: “Managing for Performance: Highlights of 5th International Transportation Systems Performance Measurement and Data Conference”
Session 683
Solutions to Urban Network Problems
3:45 PM – 5:30 PM
Convention Center, 146B
**NUTC Presenters: Yu (Marco) Nie, Peng Chen**
Title: “A Demand Adaptive Paired-Line Hybrid Transit System”

Session 734
Current Research on Freight Rail Transportation
4:15 PM – 6:00 PM
Convention Center, Hall E
**NUTC Presenters: Hani Mahmassani, Michael Hyland, Lama Bou Mjahed**
Title: “Analytical Models of Rail Transportation Service in the Grain Supply Chain: Deconstructing the Operational Advantages of Shuttle Train Service”
Wednesday, January 13, 2016

Session 785
**Travel Demand Models R Us**
8:30 AM – 10:15 AM
Convention Center, Hall E

**NUTC Presenters:** Hani Mahmassani, Ömer Verbas, Hooram Halat, Xiang Xu, Ali Zockaie (alum)

Title: "Dynamic Network Equilibrium for Daily Activity-Trip Chains of Heterogeneous Travelers: Application to Large-Scale Networks"

**NUTC Presenters:** Hani Mahmassani, Ömer Verbas, Michael Hyland, Hooram Halat

Title: "Integrated Mode Choice and Dynamic Traveler Assignment in Multimodal Transit Networks: Mathematical Formulation, Solution Procedure, and Large-Scale Application"

Session 855
**Transportation Network Modeling**
2:45 PM – 4:30 PM
Convention Center, Hall E

**NUTC Presenters:** Hani Mahmassani, Ali Zockaie (alum), Jiwon Kim (alum)

Title: “Network-wide Time-dependent Link Travel Time Distributions with Temporal and Spatial Correlations”

**NUTC Presenters:** Ying Chen, Zihan Hong, Hani Mahmassani

Title: “Weighted Cluster Analysis for Operational Scenario Definition in Traffic Management Applications”

**NUTC Presenters:** Hani Mahmassani, Yu (Marco) Nie, Ali Zockaie (alum)

Title: “Path Finding in Stochastic Time Varying Networks with Spatial and Temporal Correlations for Heterogeneous Travelers”

**NUTC Presenters:** Yu (Marco) Nie, Peng Chen

Title: “A Demand Adaptive Paired-Line Hybrid Transit System”