

IFTI Researchers contributed to the 2013 TRB Conference.

Evaluation of Gate Strategies at Marine Container Terminals Jeffery Karafa, Tetra Tech, Inc. presenter **Mihalis M. Golias**, University of Memphis, presenter Maria Boile, Centre for Research and Technology Hellas, Greece, presenter Sotiris Theofanis, Rutgers University, presenter **Session: Seeking Solutions to Marine Environmental Challenges** Monday, January 14, 2013 8:00AM - 9:45AM Shoreham, Executive Lectern Session

Cost-Stable Truck Scheduling at Cross-Dock Facility with Unknown Truck Arrivals Dincer Konur, University of Memphis, presenter **Mihalis M. Golias**, University of Memphis, presenter **Session: Current Research in Freight Transportation and Logistics Planning and Operations** Monday, January 14, 2013 8:30AM - 10:15AM Shoreham, Blue Room Foyer

Scheduling Container Vessels Under Handling and Arrival Time Uncertainty Isabel Maria Portal, Florida Atlantic University, presenter Evangelos I. Kaisar, Florida Atlantic University, presenter **Mihalis M. Golias**, University of Memphis, presenter **Stephanie Ivey**, University of Memphis, presenter **Session: Maritime Infrastructure: Funding, Performance, and Economic Impacts** Monday, January 14, 2013 2:00PM - 3:45PM Shoreham, Blue Room Foyer

Mathematical Modeling Approach to Resource Allocation for Railroad-Highway Crossing Safety Upgrades Dincer Konur, University of Memphis, presenter **Mihalis M. Golias**, University of Memphis, presenter Brandon Darks, Tennessee Department of Transportation, presenter **Session: New Approaches to Improving Safety at Highway-Rail Grade Crossings** Tuesday, January 15, 2013 10:15AM - 12:00PM Marriott, Thurgood Marshall West

Truck-to-Door Assignment at Cross-Dock Facility with Controllable Handling Times Dincer Konur, University of Memphis, presenter **Mihalis M. Golias**, University of Memphis, presenter **Session: Innovations in Intermodal Terminal Design and Operations** Tuesday, January 15, 2013 7:30PM - 9:30PM Shoreham, Hampton

Assessment of Introductory Transportation Engineering Course and General Transportation Engineering Curriculum Rod E. Turochy, Auburn University, presenter Jon D. Fricker, Purdue University, presenter H. Gene Hawkins, Texas A&M University, presenter David S. Hurwitz, Oregon State University, presenter **Stephanie Ivey**, University of Memphis, presenter Michael A. Knodler, University of Massachusetts, Amherst, presenter Rhonda Kae Young, University of Wyoming, presenter **Session: Experience with University-Based Workforce Development Programs** Tuesday, January 15, 2013 7:30PM - 9:30PM Hilton, Lincoln East

Multiobjective Optimization Model for Transit Fleet Resource Allocation Sabyasachee Mishra, University of Maryland, College Park, presenter Sushant Sharma, Purdue University, presenter Tom V. Mathew, Indian Institute of Technology, Bombay, presenter Snehamay Khasnabis, Wayne State University, presenter **Session 279: Optimizing the Performance of Transit Systems** Monday, January 14, 2013 10:15AM - 12:00PM Hilton, Jefferson East

Approach to Incorporate Multientity Perspectives in Transportation Infrastructure Investment Decision Making Sabyasachee Mishra, University of Maryland, College Park, presenter Snehamay Khasnabis, Wayne State University, presenter Subrat Kumar Swain, Wayne State University, presenter **Session 295: Public-Private Partnership Showcase** Monday, January 14, 2013 10:45AM - 12:30PM Hilton, International Center

Multientity Perspective Freight Demand Modeling Technique: Varying Objectives and Outcomes Sabyasachee Mishra, University of Maryland, College Park, presenter Hiroyuki Iseki, University of Maryland, College Park, presenter Rolf Moeckel, PB Americas, Inc., presenter **Session 321: Modeling Theories and Practices in Freight Planning and Logistics, Part 2 (Part 1, Session 268)** Monday, January 14, 2013 1:30PM - 3:15PM Shoreham, Blue Room

Predicting Road Accidents and Prioritizing Road Safety Improvement Measures in India Using Adapted Traffic Conflict Techniques Ramesh Buddharaju, Morgan State University, presenter Manoj K. Jha, Morgan State University, presenter Min-Wook Kang, University of South Alabama, presenter Sabyasachee Mishra, University of Maryland, College Park, presenter Markandeya Raju Ponnada, MVGR College of Engineering, India, presenter **Session 358: Transportation Planning in the Developing Countries, Part 1 (Part 2, Session 359)** Monday, January 14, 2013 2:00PM - 3:45PM Hilton, International Center

Preserving an Aging Transit Fleet: Optimal Resource Allocation Perspective Based on Service Life and Constrained Budget Sabyasachee Mishra, University of Maryland, College Park, presenter Sushant Sharma, Purdue University, presenter Snehamay Khasnabis, Wayne State University, presenter Tom V. Mathew, Indian Institute of Technology, Bombay, presenter **Session 352: Innovative Approaches and Case Studies in Transit Management and Performance** Monday, January 14, 2013 2:00PM - 3:45PM Hilton, International Center

Development of Maryland Statewide Transportation Model and Its Application in Scenario Planning Sabyasachee Mishra, University of Maryland, College Park, presenter Timothy F. Welch, University of Maryland, College Park, presenter Rolf Moeckel, PB Americas, Inc., presenter Subrat Mahapatra, Maryland State Highway Administration, presenter Morteza Tadayon, Maryland State Highway Administration, presenter **Session 413: Innovations in Statewide Multimodal Planning** Monday, January 14, 2013 4:15PM - 6:00PM Hilton, International Center

Comparison Between Gravity and Destination Choice Models for Trip Distribution in Maryland Sabyasachee Mishra, University of Maryland, College Park, presenter Yanli Wang, Tongji University, China, presenter Xiaoyu Zhu, University of Maryland, College Park, presenter Rolf Moeckel, PB Americas, Inc., presenter Subrat Mahapatra, Maryland State Highway Administration, presenter **Session 413: Innovations in Statewide Multimodal Planning** Monday, January 14, 2013 4:15PM - 6:00PM Hilton, International Center

Experiment in Mega-Regional Road Pricing Using Advanced Commuter Behavior Analysis Sabyasachee Mishra, University of Maryland, College Park, presenter Timothy F. Welch, University of Maryland, College Park, presenter Arnab Chakraborty, University of Illinois, Urbana-Champaign, presenter **Session 418: Recent Research in Mega-Regions** Monday, January 14, 2013 4:15PM - 6:00PM Hilton, International Center

Exercising Mega-Region Analysis Framework in Chesapeake Bay Area Tara J. Weidner, Parsons Brinckerhoff, Inc., presenter Fred Ducca, University of Maryland, College Park, presenter Rolf Moeckel, PB Americas, Inc., presenter Sabyasachee Mishra, University of Maryland, College Park, presenter **Session 418: Recent Research in Mega-Regions** Monday, January 14, 2013 4:15PM - 6:00PM Hilton, International Center

Graph Theoretic Approach for Public Transit Connectivity in Multimodal Transportation Networks Sabyasachee Mishra, University of Maryland, College Park, presenter Timothy F. Welch, University of Maryland, College Park, presenter Manoj K. Jha, Morgan State University, presenter **Session 419: Research on Public Transportation Demand Estimation and Network Design** Monday, January 14, 2013 4:15PM - 6:00PM Hilton, International Center

Critical Lane Volume-Based Capacity and Level-of-Service Analyses for Diverging Diamond Interchange Avijit Maji, Maryland State Highway Administration, presenter Sabyasachee Mishra, University of Maryland, College Park, presenter Manoj K. Jha, Morgan State University, presenter **Session 403: Highway Capacity and Quality of Service for Interrupted Facilities: Intersections and Urban Arterials** Monday, January 14, 2013 4:15PM - 6:00PM Marriott, Salon 2

Study of Effect on GHG Emissions by Addition of Transit Mode in Existing Road Network and Optimal Emission Pricing Models for Reducing Carbon Footprint Sushant Sharma, Purdue University, presenter Sabyasachee Mishra, University of Maryland, College Park, presenter **Session 503: Current Issues in Transportation Energy, Alternative Fuels, and Climate Change** Tuesday, January 15, 2013 8:30AM - 10:15AM Hilton, International Center

Modeling Emission Policies Through Travel Demand Mechanisms: Analysis of the Best Reduction Strategies Timothy F. Welch, University of Maryland, College Park, presenter Sabyasachee Mishra, University of Maryland, College Park, presenter **Session 736: Transportation Demand Forecasting: Latest Research and Applications** Wednesday, January 16, 2013 8:30AM - 10:15AM Hilton, International Center

Analyzing Effect of All-Red Intervals in Crash Reduction: Case Study of Heckman Correction for Urban Signalized Intersection Crashes Sabyasachee Mishra, University of Maryland, College Park, presenter Xiaoyu Zhu, University of Maryland, College Park, presenter **Session 724: Safety: Performance, Data, and New Advances, Part 1 (Part 2, Session 725)** Wednesday, January 16, 2013 8:30AM - 10:15AM Marriott, Salon 2

Framework for Modeling and Forecasting Population Age Distribution in Metropolitan Areas at Level of Transportation Analysis Zone Xiaoyu Zhu, University of Maryland, College Park, presenter Sabyasachee Mishra, University of Maryland, College Park, presenter Timothy F. Welch, University of Maryland, College Park, presenter Birat Pandey, Baltimore Metropolitan Council, presenter Charles Baber, Baltimore Metropolitan Council, presenter Session 829: Activity-Based Modeling Thursday, January 17, 2013 8:00AM - 9:45AM Hilton, Lincoln East