



56th Annual Transportation Research Forum

MARCH 12-14, 2015

WEDNESDAY, MARCH 11, 2015

4:00 – 6:30 PM Conference One	Registration
5:00-7:00 PM Conference A	Welcome Reception with cash bar and light hors d'oeuvres (paid conference registrants only)
7:00 PM	Dinner on one's own

THURSDAY, MARCH 12, 2015

7:00 AM - 5:00 PM Conference One	Registration
7:00 - 8:00 AM Salon 4-6	Continental Breakfast
8:00 - 9:15 AM Salon 4-6	Welcome/Opening General Session The New Era of Technology-Driven Mobility: Do We Know Where We Are Headed? Allen D. Biehler, Distinguished Service Professor of Transportation Systems and Policy Carnegie Mellon University
9:15 - 9:30 AM	Break

♦ Presenter

9:30 - 11:30 AM SESSIONS 1.1 - 1.4

Session 1.1: Technological Advances in Vehicle Systems
Session Moderator: C. Gregory Bereskin, St. Ambrose University

Conference Two

- ♦ **How Activities While Traveling Would Affect Travel Behavior in the Autonomous Vehicle Future? Scenario-based Simulations on the Sample of Northern California Commuters**
Aliaksandr Malokin, Georgia Institute of Technology
- ♦ **Assessing the Implications of Autonomous Trucks for Performance- Based Freight Transportation Planning**
Denise Smith, Georgia Institute of Technology
- ♦ **Multi-Method Research Approach to Gaining Statewide Acceptance of a Road Usage Charge Program in Oregon**
Katherine Schomer, PRR
Colleen Gants, PRR
Michelle Godfrey, Oregon Department of Transportation
John Horvick, DHM Research
Ian Nunley, PRR

Session 1.2: Uses of Information Technology in Transportation
Session Moderator: ManWo Ng, Old Dominion University

Conference Three

- ♦ **Feasibility of Using Bluetooth Data for Estimating Real Time Delay and Stops at Signalized Intersection Approaches**
Golam Sarwar, Agile Assets Inc.
Ahmed Abdel-Rahim, University of Idaho
- ♦ **Detection Criteria to Estimate Bluetooth-based Travel Time on Arterial Streets**
Srinivas Pulugurtha, The University of North Carolina at Charlotte
Md Shah Imran, The University of North Carolina at Charlotte
Venkata R. Duddu, The University of North Carolina at Charlotte

An Effective Data Fusion Algorithm for the Travel Time Reliability Application

- Xu Zhang, University of Kentucky
- Obaidur Rahman Kazi, University of Kentucky
- Mei Chen, University of Kentucky



Session 1.3: Topics in Airline Operations

Session Moderator: Carl Scheraga, Fairfield University

Conference Four

Airport Congestion Mitigation: A Multimodal Approach

- Jared Annexstad, North Dakota State University
- EunSu Lee, North Dakota State University

Airline Consolidation and Hub Abandonment: The Impact on Regional Economies

- Michael J. McCormick, George Mason University

Estimating Flight-Level Price Elasticities Using Online Data

- Laurie Garrow, Georgia Institute of Technology
- Stacey Mumbower, University of South Carolina
- Matthew Higgins, Georgia Institute of Technology

Airport Efficiency and Energy Use

- Svein Bråthen, Molde University College
- Mozghan Khazraeianvafadar, Molde University College
- James Odeck, Molde University College

Session 1.4: Measuring the Environmental Impacts of Transportation Activities

Session Moderator: Wayne Talley, Old Dominion University

Conference Eight

Forecast of CO2 Emissions from the U.S. Transportation Sector: Estimation from a Double Exponential Smoothing Model

- Jaesung Choi, North Dakota State University

Freight Movement by Heavy Duty Diesel Trucks Emission in Port of Houston Area

- Ehsan Khademi, Texas Southern University
- Fengxiang Qiao, Texas Southern University
- Mehdi Azimi, Texas Southern University
- Lie Yu, Texas Southern University
- Xiaobing Wang, Texas Southern University

Economic and Environmental Impacts of Market-Based Measures for the Limitation of Aviation's Full Climate Impact

- Janina Scheelhaase, German Aerospace Centre (DLR)
- Katrin Dahlmann, German Aerospace Centre (DLR)
- Robert Sausen, German Aerospace Centre (DLR)
- Hermann Keimel, German Aerospace Centre (DLR)
- Hendrik Niese, German Aerospace Centre (DLR)
- Martin Jung, German Aerospace Centre (DLR)
- Martin Schaefer, German Aerospace Centre (DLR)
- Florian Wolters, German Aerospace Centre (DLR)

9:30 - 10:30 AM **Young Professionals in Transportation, Atlanta Chapter No Host Gathering**

11:30 AM - 12:45 PM **LUNCH** (Sal + C272 on 4-6)
Speaker TBA

1:00 - 3:00 PM **SESSIONS 2.1 - 2.4**

Session 2.1: Risk Management in Transportation

Session Moderator: David Boate, Gannett Fleming

Conference Three

Estimating Subjective Beliefs in Naturalistic Tasks with Limited Information

- Ming Tsang, Georgia State University

Material-specific Discount Rate for Risk Analysis in Transportation Engineering Economics

- Xiao Qin, University of Wisconsin-Milwaukee
- Kai Wang, University of Connecticut
- Zhiguang Wang, South Dakota State University

Aligning Program Level and Project Level Objectives for Risk Management: A Case Study of Process Innovation in a State Department of Transportation

- ♦ Elie Ji-Yun Sung, Georgia Institute of Technology
- ♦ Gordon Kingsley, Georgia Institute of Technology
- ♦ Juan Rogers, Georgia Institute of Technology

Session 2.2: Infrastructure Investment and Economic Development
Session Moderator: Tunhsiang Edward Yu, University of Tennessee

Conference Four

The Panama Canal Expansion as a Driver of International Trade

- ♦ Anthony M Pagano, University of Illinois at Chicago
- ♦ Onesimo Sanchez, Onesimo Sanchez
- ♦ Miguel Verzbolovskis, Panama Canal
- ♦ Eddie A Tapiero, Panama Canal

Impact of The Panama Canal Expansion in the U.S. Intramodal and Intermodal Transportation Systems: Optimization Model for U.S. Container Shipment

- ♦ Ju Dong Park, North Dakota State University
- ♦ Won W. Koo, North Dakota State University

An Empirical Study of the Transshipment of the Port of Hong Kong

- ♦ Dingtong Yang, The Hong Kong Polytechnic University
- ♦ Tsz Leung Yip, The Hong Kong Polytechnic University

U.S. Port Readiness for the Panama Canal Expansion

- ♦ Grace Wang, Texas A&M University at Galveston
- ♦ Anthony M. Pagano, University of Illinois at Chicago

Session 2.3: Logistics Planning and Transportation Supply Chains
Session Moderator: EunSu Lee, North Dakota State University

Conference Eight

Regional Food Logistics: A Stakeholder Process to Inform Multi-System Redesign for Sustainability

- ♦ Michelle Miller, University of Wisconsin Madison
- ♦ Marina Denicoff, USDA-AMS-Transportation Division
- ♦ Lindsey Day-Farnsworth, University of Wisconsin Madison

Hurricane Evacuation Behavior of the Special Needs Population: Empirical Findings to Support Emergency Logistics Planning

- ♦ ManWo Ng, Old Dominion University

U.S. 95 Freight Multi-Modal Corridor Supply Chain: A Pilot Study

- ♦ Jeremy Sage, Washington State University
- ♦ Ken Casavant, Washington State University

A Field Experiment on Carrier Reservation Prices for Truckload Capacity in the Transportation Spot Market

- ♦ Christopher Lindsey, Cambridge Systematics
- ♦ Hani Mahmassani, Northwestern University

Session 2.4: Mobility Issues in Bus and Rapid Transit Systems
Session Moderator: Libby Ogard, Prime Focus LLC

Conference Five

A Self-Coordinating Urban Bus Route: Implementation and Field Experience

- ♦ John J. Bartholdi III, Georgia Institute of Technology
- ♦ Russell J. Clark, Georgia Institute of Technology
- ♦ Donald D. Eisenstein, University of Chicago
- ♦ Loren K. Platzman, independent scholar
- ♦ David W. Williamson, Georgia Institute of Technology

The Cost Structure of U.S. Public Transportation: Considering the Impacts of Climate Change

- ♦ David Ripplinger, North Dakota State University
- ♦ John Bitzan, North Dakota State University

Accessible Transit Stops and a Link to Passenger Demand: A Tool to Prioritize and Coordinate Accessibility Improvements

- ♦ Todd Hansen, Texas A&M Transportation Institute
- ♦ Matt Killary, Texas A&M Transportation Institute

PANEL Session 1: P3's in Transportation

Session Moderator: Baruch Feigenbaum, Asst. Director of Transportation Policy, Reason Foundation

Conference Two

Douglas Koelemay, Director, VA Office of P3's
Ananth Prasad, former sec., Florida DOT
Simon Santiago, Nossaman
Daryl Van Meter, Georgia State Innovative Program Engineer

2:45 - 3:00 PM Break

3:00 - 4:45 PM SESSIONS 3.1 - 3.4

Session 3.1: Community Issues in Transportation

Session Moderator: David Ripplinger, North Dakota State University

Conference Eight

Challenges and Enabling Mechanisms for Development of Highway Public-Private-Partnership Projects in the United States

- ♦ Kia Mostaan, Georgia Institute of Technology
Baabak Ashuri, Georgia Institute of Technology

Urban-Poverty and Public Transit: Evidence from the Atlanta Metropolitan Region

- Rahul Pathak, Georgia State University
- ♦ Christopher Wyczalkowski, Georgia Institute of Technology/Georgia State University
Xi Huang, Georgia Institute of Technology/Georgia State University

The Boda-Boda as a Tool for Female Empowerment in Kampala, Uganda

- ♦ Camille Matonis, Harvey Mudd College

A Framework to Identify Economic and Community Benefits of the Proposed BRT System in Southeast Michigan

- ♦ Utpal Dutta, University of Detroit Mercy
Ramakrishna R. Tadi, State of California Department of Transportation
Sawan Dutta, University of Michigan

Session 3.2: Information Technologies for Collecting Transportation Data

Session Moderator: Jack Ventura

Conference Two

Commute Warrior: Android Application for Collecting Longitudinal Travel Survey Data

- ♦ Alper Akanser, Georgia Institute of Technology
Vetri Venthan Elango, Georgia Institute of Technology
Ramik Sadana, Georgia Institute of Technology
Komal Poddar, Georgia Institute of Technology
Yanzhi "Ann" Xu, Georgia Institute of Technology
Randall Guensler, Georgia Institute of Technology

Developing a Method to Assess National Demand Response Level of Service

- ♦ Ranjit Godavarthy, North Dakota State University
Jeremy Mattson, North Dakota State University
Del Peterson, North Dakota State University
Patrick Nichols, North Dakota State University
Jill Hough, North Dakota State University

Comparative Evaluation of Technologies/ Data Sources to Capture Travel Time Along Arterial Streets

- Rahul C. Pinnamaneni, The University of North Carolina at Charlotte
- ♦ Srinivas Pulugurtha, The University of North Carolina at Charlotte
Venkata R. Duddu, The University of North Carolina at Charlotte
RM Zahid Reza, The University of North Carolina at Charlotte

Sidewalk Scout: Crowdsourcing Android Application for Collecting Sidewalk Condition Data

- ♦ Alper Akanser, Georgia Institute of Technology
Vetri Venthan Elango, Georgia Institute of Technology
Alice Grossman, Georgia Institute of Technology
Yanzhi "Ann" Xu, Georgia Institute of Technology
Randall Guensler, Georgia Institute of Technology

Session 3.3: Transportation Efficiency and Productivity

Session Moderator: James Odeck, Molde University College

Conference Three

Productivity and Infrastructure Investment: The Link Between Productivity and Economic Density in Norway

- ♦ Eivind Tveter, Molde Research Institute

Hard Red Spring Wheat Marketing: Effects of Increased Shuttle Train Movements on Railroad Pricing in the Northern Plains

- ♦ Elvis Ndembe, North Dakota State University

Estimating the Technical and Allocative Efficiency of U.S. Class I Railroad: A Data Envelopment Analysis

- ♦ Elvis Ndembe, North Dakota State University
- ♦ Saleem Shaik, North Dakota State University

Revisiting Concentration in Fodder and Agricultural Supply Chains: The Welfare Implications of Market Power in a Complementary Input Sector

- ♦ Metin Cakir, University of Minnesota
- ♦ James Nolan, University of Saskatchewan

Session 3.4: Energy Applications in Transportation

Session Moderator: Michael Babcock, Kansas State University

Conference Four

Piezoelectric-based Energy Harvesting Technology for Georgia Highway Sustainability

- ♦ Seonghoon Kim, Georgia Southern University
- ♦ Junan Shen, Georgia Southern University
- ♦ Mohammad Ahad, Georgia Southern University
- ♦ Dukgeun Yun, Korea Institute of Construction Technology

Highway Investment, Freight Emissions, and Trade

- ♦ You Zhou, Washington State University
- ♦ Jeremy Sage, Washington State University

Development of Natural Gas Distribution Projects in China

- ♦ Liang Chieh Cheng, University of Houston
- ♦ Ran Shi, University of Houston
- ♦ Wanxiang Lu, University of Houston
- ♦ Yixiang Wu, University of Houston
- ♦ Chen Cao, University of Houston

Locating Battery Swapping Stations for Smart e-Bus System

- ♦ Sang Hwa Song, Incheon National University
- ♦ Taesu Cheong, Korea University
- ♦ Seungwon Na, Korea Aerospace University

5:00 - 6:30 PM Reception & Poster Session (Salon 4-6)

Effects of the Rise in Oil Price on Ethanol Fuel Consumption in the U.S. Transportation Sector

- ♦ Jaesung Choi, North Dakota State University
- ♦ David C. Roberts, North Dakota State University

Plug-in Hybrid Electric Vehicles: Optimal All-Electric Driving Range for Minimum Societal Cost

- ♦ Eleftheria Kontou, University of Florida
- ♦ Yafeng Yin, University of Florida

Political Ideology Affects the Willingness to Purchase Electric Vehicles

- ♦ Yeong Jae Kim, Georgia Tech

U.S Freight Transportation Eco-efficiency Performance Measure and Benchmarking State by State

- ♦ Fesseha Gebremikael, North Dakota State University
- ♦ Yong Shin Park, North Dakota State University

Fuel for Next Generation Refuse Trucks: Electricity or Natural Gas? The Case of Metropolitan Atlanta Area

- ♦ Dong-Yeon Lee, Georgia Institute of Technology
- ♦ Valerie M. Thomas, Georgia Institute of Technology
- ♦ Patrick S. McCarthy, Georgia Institute of Technology

Assessing the Ecosystem Goods and Service of U.S. Modal Freight: Supply Chain Linked to Cradle-to-Gate Ecological Based Life Cycle Model

- Yong Shin Park, North Dakota State University
Gokhan Egilmez, North Dakota State University

Accounting for Natural Gas Vehicles in Regional Auto Markets - Estimates for the State of Texas, U.S.

- Chen (Sarah) Xu, University of Houston
Liang-Chieh (Victor) Cheng, University of Houston

Investigating The Changes of Marginal Pavement Damage Cost To Key Variables Using Sensitivity Analysis

- Tariq Usman Saeed, Purdue University
Anwaar Ahmed
- Samuel Labi, Purdue University
Jackeline Murillo-Hoyos, Purdue University
Kumares C. Sinha, Purdue University

A Three-Stage Least Squares Analysis of Post- Rehabilitation Pavement Performance

- Md Tawfiq Sarwar, University at Buffalo, The State University of New York
Panagiotis Ch. Anastasopoulos, University at Buffalo, The State University of New York

Assessment of Seismic Damage of a Bridge Pier Using a Seemingly Unrelated Nonlinear Equations Approach

- Thomas Androuselis, University at Buffalo, The State University of New York
Panagiotis Anastasopoulos, University at Buffalo, The State University of New York
Ionnis Anastasopoulos, University at Dundee

Emerging Methods of Signal Timing Optimization

- David Hale, Leidos, Inc.
Zong Tian, University of Nevada, Reno

Public- Public and Public-Private Partnerships in Transportation

- Janet Kay Tinoco, Embry-Riddle Aeronautical University

Enhanced Prediction of Transportation Project Costs Using A Risk-Based Approach

- Tariq Usman Saeed, Purdue University
Apichai Issariyanukula, Department of Highways
Anwaar Ahmed
- Samuel Labi, Purdue University
Jackeline Murillo-Hoyos, Purdue University
Kumares C. Sinha, Purdue University

How Much Does Above Minimum Design Improve Highway Safety?

- SeyedAta Nahidi, University at Buffalo, The State University of New York
Gary A Jordan, University at Buffalo, The State University of New York
- Uger Eker, University at Buffalo, The State University of New York
Panagiotis Ch. Anastasopoulos, University at Buffalo, The State University of New York

Discovering Causality in Traffic Sensor Readings for Road Accidents Impact Prediction

- Liyue Fan, University of Southern California
Ugur Demiryurek, University of Southern California
Cyrus Shahabi, University of Southern California

Do the Same Factors Affect Accident Frequencies on Highway Segments with Different Traffic Volumes and Traffic Compositions?

- Ugur Eker, University at Buffalo, The State University of New York
- Thomas Androuselis, University at Buffalo, The State University of New York
Nima Golshani, University at Buffalo, The State University of New York
Panagiotis Ch. Anastasopoulos, University at Buffalo, The State University of New York

A Spatio-Temporal Approach for High Resolution Traffic Flow Imputation

- Jianjiang Yang, University of Tennessee
Lee D. Han, University of Tennessee
Shih-miao Chin, Oak Ridge National Laboratory
Ho-ling Hwang, Oak Ridge National Laboratory

A Random Parameters Hazard-based Duration Analysis of Senior Travelers' Activity-based Travel Time and Distance

Gary A Jordan, University at Buffalo, The State University of New York

- Thomas Androutselis, University at Buffalo, The State University of New York
- Panagiotis Ch. Anastasopoulos, University at Buffalo, The State University of New York
- Srinivas Peeta, Purdue University
- Sekhar Somenahalli, University of South Australia

Additive Manufacturing: Thoughts and Opinions on its Impact on Future Supply Chains

Robert Walton, Embry-Riddle Aeronautical University

- Carl Scheraga, Fairfield University

A Real-time Control Bus Dispatching Policy to Minimize Headway Variance

- Simon Berrebi, Georgia Tech
- Kari Watkins, Georgia Tech
- Jorge Laval, Georgia Tech

6:30 PM Dinner on one's own

FRIDAY, MARCH 13, 2015

7:00 AM - 3:30 PM
Conference One

Registration

7:00 - 8:00 AM
Salon 4-6

Continental Breakfast
TRF Business Meeting and Elections

8:00 - 9:15 AM
Salon 4-6

Welcome/Opening General Session
American Railroads: Decline and Renaissance in the Twentieth Century
Robert Gallamore

9:15 - 9:30 AM

Break

9:30 - 11:30 AM SESSIONS 4.1 - 4.4

Session 4.1: Transport Safety

Session Moderator: Xiao Qin, University of Wisconsin-Milwaukee

Conference Eight

Modeling Safety Performance Functions for Urban and Suburban Arterial for the State of Alabama

- Jaehoon Kim, University of Alabama in Huntsville
- Michael D. Anderson, University of Alabama in Huntsville

Determinants of Crew Injuries in Container Vessel Accidents

- Yishu Zheng, Virginia Port Authority
- Wayne Talley, Old Dominion University
- Di Jin, Woods Hole Oceanographic Institution
- ManWo Ng, Old Dominion University

Analysis of Fatal Train-Pedestrian Collisions in Metropolitan Chicago 2004-12

- Ian Savage, Northwestern University

Session 4.2: Transportation Forecasting

Session Moderator: John Wells, retired, USDOT

Conference Three

Comparison between Trip-Based and Tour-Based Truck Travel Demand Forecasting Models in Birmingham, AL

- Andrew Sullivan, The University of Alabama at Birmingham
- William G. Allen, WG Allen
- David Lee, Georgia Tech
- Ehsan Doustmohammadi, The University of Alabama at Birmingham
- Ozge Cavusoglu, The University of Alabama at Birmingham
- Virginia Sisiopiku, The University of Alabama at Birmingham

Optimal Refueling Policies Models: Applicability in Brazilian Routes

Luciano Marques Reduzino, Universidade Federal do Espírito Santo

- ♦ Marta Monteiro da Costa Cruz, Universidade Federal do Espírito Santo
- ♦ Luiza Rosa Fernandes, Universidade Federal do Espírito Santo

Pedestrian Travel Demand Estimation Using Geographically Weighted Regression Model

- ♦ Xu Zhang, University of Kentucky
- ♦ Mei Chen, University of Kentucky

Session 4.3: Topics in Transportation Supply Chains

Session Moderator: Ahren Johnston, Missouri State University

Conference Four

The Effect of Information Asymmetry for Freight Network Information Between Shippers and Carriers on the Carrier Selection in a Procurement Exercise

- ♦ Manasi Katragadda, Iowa State University
- ♦ Yoshinori Suzuki, Iowa State University

Evaluating the Supply Chains of Cellulosic Transportation Fuel in Tennessee

- ♦ T. Edward Yu, University of Tennessee
- ♦ Burton C. English, University of Tennessee
- ♦ Lixia He, University of Tennessee
- ♦ James A. Larson, University of Tennessee
- ♦ James Calcagno, University of Tennessee
- ♦ Joshua S. Fu, University of Tennessee
- ♦ Brad Wilson, University of Tennessee

Feedstock Import Options Regarding Transportation Systems for Asphalt Production

Raj Bridgelall, North Dakota State University

- ♦ EunSu Lee, North Dakota State University

Economic Impacts of Freight Disruptions Due to Flood Related Highway Closures Using an Integrated Traffic Network Equilibrium and Regional Economic Impact Methodology

- ♦ Amlan Mitra, Purdue University Calumet
- ♦ Rodrigo Mesa-Arango, Purdue University
- ♦ Xianyuan Zhan, Purdue University
- ♦ Satish Ukkusuri, Purdue University Calumet

Session 4.4: Systems Approaches to Transportation

Session Moderator: Utpal Dutta, University of Detroit Mercy

Conference Five

Is Hands-Free Texting a Better Alternative of Text Driving?

- ♦ Sanaz Motamedi, University of Rhode Island
- ♦ Jay Hone Wang, University of Rhode Island

The Impacts of Distracted Drivers on Bicyclists' Fatalities

- ♦ Sia Macmillan Lyimo, South Carolina State University

Analyzing What Works Best for Transportation Education

- ♦ Sampson Gholston, The University of Alabama in Huntsville
- ♦ MD Sader, University of Southern Mississippi
- ♦ Joan Chadde, Michigan Technological Institute
- ♦ Richard Stewart, University of Wisconsin, Superior
- ♦ Anant Mokashi, University of Wisconsin, Superior



Panel Session 2: Privatizing Transit

Session Moderator: Baruch Feigenbaum, Reason Foundation

Conference Two

Art Guzzetti, Vice President, APTA

Sam Staley, Managing Director, Devoe Moore Center, FSU

Jim Ritchey, Vice President Public Transportation, Whitman, Reardon and Associates

11:30 AM - 12:45 PM Awards LUNCHEON (Salon 4-6)

Introduction and Presenter: Art Guzzetti

Speaker and Recipient of TRF's President's Award

Keith Parker, CEO Marta

Session 5.1: Highway User Charges

Session Moderator: Joseph Schwieterman, DePaul University

Conference Five**Impacts of Violations of High-Occupancy-Vehicle Lanes: A Simulation-based Study in Tennessee**

- ♦ Jianjiang Yang, University of Tennessee
- ♦ Lee Han, University of Tennessee

Benefit-Cost Analysis of Bottleneck Mitigation Strategies

- ♦ David Hale, Leidos, Inc.
- ♦ Jiaqi Ma, Leidos, Inc.
- ♦ Michalis Xyntarakis, Cambridge Systematics

Characteristics of Car-less Households in California: Evidence from the 2012 California Household Travel Survey

- ♦ Suman Kumar Mitra, University of California, Irvine
- ♦ Jean-Daniel Saphores, University of California, Irvine

Session 5.2: Transport Capital, Funding, and Economic Growth

Session Moderator: Maité Pena-Alcaraz, Massachusetts Institute of Technology

Conference Three**Port Planning Benchmarking - Best Practices in Funding Programs**

- ♦ Libby Ogard, Prime Focus LLC
- ♦ Richard Stewart, University of Wisconsin Superior

Capital Investment Needs of the Small Railroads

- ♦ Anne Campbell, North Dakota State University
- ♦ Rodney Traub, North Dakota State University

Dynamic Relationships Among Transport Infrastructure Investment, Non-Transport Public Infrastructure, and Economic Growths in the United States: A New Look

- ♦ Junwook Chi, University of Hawaii, Manoa
- ♦ Jungho Baek, University of Alaska Fairbanks

Session 5.3: Operating and Management Performance in the Airline Industry

Session Moderator: Alan Bender, Embry-Riddle Aeronautical University

Conference Eight**An Analysis of the Effects of Operating and Financial Leverage on the Major International Carriers: 1990-2013**

- ♦ Carl Scheraga, Fairfield University
- ♦ Richard Gritta, University of Portland

Proactive Passenger Management with a Total Airport Management Perspective

- ♦ Axel B. Classen, DLR
- ♦ Florian Rudolph, DLR

Why Revenue Management Is a Good Thing

- ♦ Emmanuel Carrier, Delta Airlines

Session 5.4: Regulatory, Legal, and Competitive Issues in Transportation

Session Moderator: Frank Mulvey, Iiter Associates

Conference Four**Assessing the Objectivity of Transportation Related Regulatory Decisions in Canada**

- ♦ James Nolan, University of Saskatchewan
- ♦ Savannah Gleim, University of Saskatchewan

Does Competition Improve Technical Efficiency of Transportation Services? A DEA Application in The Case of Norwegian Car Ferry Sector

- ♦ James Odeck, Molde University College
- ♦ Edvard Sandvik, The Norwegian Public Roads Administration

Bicycle Policy Implications of Uneven Development

- ♦ Caroline Appleton, Georgia Tech School of Public Policy

Eco-Efficiency of U.S. Container Ports Using Data Envelop Analysis (DEA)

- ♦ N. Muhammad Aslaam Mohamed Abdul Ghani, North Dakota State University
- ♦ Eunsu Lee, North Dakota State University
- ♦ Yong Shin Park, North Dakota State University

Session 5.5: Global Trends in Transportation and Logistics (NeLT-TRF Industrial Session)
Session Moderator: Dr. Yongtae Kim, Hanyoung National University

Conference Two

Technology Trends in Logistics and Supply Chain Management

Dr. Anthony Pagano, University of Illinois, Chicago

Design of New Concept Container Terminal

Dr. Moohong Kang, KMI

Advanced Material-Handling Equipment for Manual-dependent Distribution

Dr. Yongjang Kwon, KRRI

Development of Cargo Batch Loading and Unloading Systems

Dr. Sukk Lee, KRRI

Supply Chain Issues in Agricultural Products and Technologies

Dr. Sangyoung Moon, Hanyoung National University

3:30 - 5:30 PM Tours

- Tour 1 **Delta Museum**
- Tour 2 **MARTA, Streetcar/Beltline**
- Tour 3 **Transit-Oriented Development (TOD)**
- 5:30 PM **TRF Chapter Gathering**
- 7:00 PM **TRF Council Meeting**
- 7:00 PM Dinner on one's own

SATURDAY, MARCH 14, 2015

7:00:00 AM - 12:00 PM Registration
Conference One

7:00 - 8:00 AM Continental Breakfast
Salon 5

8:00 - 9:45 AM SESSIONS 6.1 - 6.3

Session 6.1: Systems Performance and Safety
Session Moderator: C. Gregory Bereskin, St. Ambrose University

Conference Two

Assessment of Operational Performance of Bus Rapid Transit (BRT) In Lagos State Nigeria

- ♦ *Olayemi Funmilayo Dickson, National Centre for Technology Management*

Assessing the Vulnerability of Evacuation Plans via Critical Element Detection

- ♦ *Chrysafis Vogiatzis, University of Florida*
- ♦ *Jose Luis Walteros, University at Buffalo*
- ♦ *Panos M. Pardalos, University of Florida*

Benefits of System Safety Management

- ♦ *Alireza Edraki, Gannett Fleming*

Session 6.2: Highway Infrastructure and Public Sector Decisions
Session Moderator: James Nolan, University of Saskatchewan

Conference Three

Evaluating the Application of Diverging Diamond Interchange in Athens, Alabama

- ♦ *Tahmina Khan, University of Alabama Huntsville*
- ♦ *Michael Anderson, University of Alabama Huntsville*

Heavy Vehicle Impact on Rural Two Lane Highway Segments Operating Under Various Levels of Service Conditions

- ♦ Zijian Zheng, North Dakota State University
Pan Lu, North Dakota State University

Driving Behavior and Emission Analysis at Yellow Intervals with Advanced Warning Message under Foggy Weather Conditions: A Simulator Test

- ♦ Johora Munni, Texas Southern University
Fengxiang Qiao, Texas Southern University
Qing Li, Texas Southern University
Lei Yu, Texas Southern University
Po-Hsien Kuo, Texas Southern University

Session 6.3: Rail road Technology and Development

Session Moderator: Ian Savage, Northwestern University

Conference Eight

Shortline Rail in Washington State: Challenges and Opportunities on the Road Ahead

- ♦ Jeremy Sage, Washington State University
Ken Casavant, Washington State University
J. Bradley Eustice, Washington State University

Passenger Energy Technologies for the Near-to-Mid-Term: A Summary Review and Case Study

- ♦ Raphael Isaac, UC Davis Institute of Transportation Studies
Lewis Fulton, UC Davis Institute of Transportation Studies

Analysis of Capacity Pricing and Allocation Mechanisms in Shared Railway Systems: Lessons for the Northeast Corridor

- ♦ Maite Pena-Alcaraz, MIT
Joseph Sussman, MIT

Frieght Rail Economic Development

- ♦ Libby Ogard, Prime Focus LLC

10:00 - 10:15 AM Break

10:15 - 11:45 AM SESSIONS 7.1 - 7.3

Session 7.1: Speed, Time, and Delays in Transportation

Session Moderator: Chrysafis Vogiatzis, University of Florida

Conference Two

A Spatio-temporal Based Algorithm for Short-Term Speed Prediction

- ♦ Jianjiang Yang, University of Tennessee
Lee Han, University of Tennessee

Efficient Frontier of Route Choice for Equilibrium under Travel Time Variability with Heterogeneous Travel Preferences

- ♦ Mahyar Amirgholy, University of Massachusetts
Eric J. Gonzales

Reroute or Wait it out? Estimating the Time until Spoilage in the Presence of Unexpected Delays

- ♦ J. Bradley Eustice, Washington State University
Jeremy Sage, Washington State University
Ken Casavant, Washington State University

Session 7.2: Factors Affecting Highway Safety

Session Moderator: Srinivas Pulugurtha, The University of North Carolina at Charlotte

Conference Three

Weights from Safety Perspective for Interchange Lighting Prioritization Tool

- ♦ Srinivas Pulugurtha, The University of North Carolina at Charlotte
Ravishankar P. Narayanan, The University of North Carolina at Charlotte

Correlation Between Crash Rates and International Roughness Index on In-Service U.S. Highways

- ♦ Ahmed Elghriani, The University of Akron
Ping Yi, The University of Akron
Peng Liu, The University of Akron
Quan Yu, Beijing University of Technology

The Use of CHAID Decision Tree Models in Injury Severity Analysis of Large Truck Crashes

- ♦ Jill Bernard, University of Missouri - St. Louis
♦ Christopher Mondy, University of Missouri - St. Louis

Session 7.3: Organizational Issues in Transport
Session Moderator: Svein Bråthen, Molde University College

Conference Eight

Norwegian Bus Transport- Does Internal or External Organization of Public Authorities Affect Efficiency

- ♦ Hilde Johanne Svendsen, Møreforsking Molde AS
- Arild Hervik, Møreforsking Molde AS
- James Odeck, Molde University College

The Relationship between Leadership Strengths and Proformance of Fleet Managers

- ♦ Ahren Johnston, Missouri State University
- John L Kent, University of Arkansas

Assessing the Effects of Compressed Work Week Strategy on Transportation System Performance Measures

- Venkata R. Duddu, The University of North Carolina at Charlotte
- ♦ Srinivas Pulugurtha, The University of North Carolina at Charlotte

SECOND FLOOR

MEETING ROOM FLOOR SPECIFICATIONS

