STEP Active at the Transportation Research Board’s 89th Annual Meeting, Washington, D.C., January 10-14, 2010

STEP members attended the Transportation Research Board’s 89th Annual Meeting on January 10-14, 2010 in Washington, D.C. STEP students and faculty presented a total of 19 peer-reviewed papers. Student benefited from networking with professionals, becoming involved in TRB committees, and enjoyed several receptions. STEP would like to thank OTREC for their support in helping students attend TRB. A full summary of our involvement can be found below:

Beyond Corridor Reliability Measures: Analysis of Freeway Travel Time Reliability at the Segment Level for Hot Spot Identification (10-2341)
Saberi, Meead - Portland State University
Bertini, Robert Lawrence - Washington, D.C.

Regional and Modal Variability in Gasoline Price Effects on U.S. Transit Ridership (10-1019)
Haire, Ashley Raye - Portland State University
Machemehl, Randy B. - University of Texas, Austin

Assessing Impacts of Freeway Sensor Spacing and Probe Vehicle Penetration on Travel Time Estimation Accuracy for Traveler Information and Traffic Management (10-2312)
Feng, Wei - Portland State University
Bigazzi, Alexander York - Portland State University
Kothuri, Sirisha Murthy - Portland State University
Bertini, Robert Lawrence - Portland State University

A Comparison of Algorithms for Systematically Tracking Congested Traffic Patterns on Freeways in Portland, Oregon (10-2688)
Li, Huan - Portland State University
Bertini, Robert Lawrence - Portland State University

A Study of Transportation Disruption Causes and Costs in Containerized Maritime Transportation (10-4109)
Figliozzi, Miguel - Portland State University
Zhang, Zeyan - University of Sydney, Australia

Empirical Analysis of the Effects of Rain on Measured Freeway Traffic Parameters (10-2331)
Saberi, Meead - Portland State University
Bertini, Robert Lawrence - Washington, D.C.

Bayesian Models for Re-identification of Trucks over Long Distances Based on Axle Measurement Data (10-0032)
Cetin, Mecit - Old Dominion University
Monsere, Christopher M. - Portland State University
Nichols, Andrew P. - Marshall University

STEP is a student organization that serves all students interested in the fields of transportation engineering and planning. We work to create a supportive and interactive environment for students to advance their knowledge and understanding.
A Statistical Analysis of Bicycle Rider Performance: The impact of gender on riders’ performance at signalized intersections (10-4115)
Wheeler, Nikki - Portland State University
Conrad, Ryan - Portland State University
Figliozzi, Miguel - Portland State University

Algorithms to Quantify the Impacts of Congestion on Time-Dependent Real-World Urban Freight Distribution Networks (10-4113)
Conrad, Ryan - Portland State University
Figliozzi, Miguel - Portland State University

Quantifying and Analyzing the Costs of Climate Change on Local Transportation Infrastructure: A Case Study from Portland, Oregon (10-4112)
Figliozzi, Miguel - Portland State University
Melgoza, Rolando - Portland State University
Ruelas, David - Portland State University
Chang, Heejun - Portland State University
Lafrenz, Martin - Portland State University
Platman, Deena - Portland Metro
Pederson, Cindy - Portland Metro

Effects of Temporal Data Aggregation on Performance Measures and Other ITS Applications (10-1207)
Bigazzi, Alexander York - Portland State University
Siri, Helene - Ecole Nationale des Travaux Publics de l'Etat, France
Bertini, Robert Lawrence - Washington, D.C.

Techniques for Validating an Automatic Bottleneck Detection Tool Using Archived Freeway Sensor Data (10-3238)
Wieczorek, Jerzy - Portland State University
Fernández-Moctezuma, Rafael J. - Portland State University
Bertini, Robert Lawrence - Washington, D.C.

Incorporating Bicycle and Pedestrian Topics in University Transportation Courses: National Scan (10-2636)
Dill, Jennifer - Portland State University
Weigand, Lynn - Portland State University

Infrastructure, Programs, and Policies to Increase Bicycling: International Review (10-0824)
Pucher, John - Rutgers University
Dill, Jennifer - Portland State University
Handy, Susan L. - University of California, Davis

Calibrated Labeling Method for Generating Bicyclist Route Choice Sets Incorporating Unbiased Attribute Variation (10-3610)
Broach, Joseph - Portland State University
Gliebe, John P. - Portland State University
Dill, Jennifer - Portland State University

Time-Dependent Utility in Activity and Travel Choice Behavior (10-4053)
Gliebe, John P. - Portland State University
Kim, KiHong - Portland State University

Portal 2.0: Toward a Next-Generation Archived Data User Service (10-3522)
Tufte, Kristin A. - Portland State University

Impact of Traffic Oscillations on Freeway Crash Occurrences (10-1809)
Zheng, Zuduo - Arizona State University
Ahn, Soyoung - Arizona State University
Monsere, Christopher M. - Portland State University

Emissions Minimization Vehicle Routing Problem (10-4117)
Figliozzi, Miguel - Portland State University

President's Corner

TRB can be over-whelming at first. And believe me, it is. Luckily our fearless leaders prepped us for the event quite nicely. It’s interesting to see how, as a second year attendee, my focus changed slightly from session intensive last year to more poster-session intensive this year as I searched for thesis ideas. All in all, there is plenty that TRB offers for students and professionals. Congratulations to all attendees and presenters. Our PSU name is becoming more and more recognized.

Rolando Melgoza