

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



## University of Washington

Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Allahyar, Ariana	Attitudes About Parking Requirements: Survey of Local Officials, #14-2435	Wilson, Richard (FAICP)	Tuesday 1/14/2014 2:00 PM - 3:15 PM
Borning, Alan	OneBusAway Multiregion: Rapidly Expanding Mobile Transit Apps to New Cities	Barbeau, Sean J. (USF), Watkins, Kari Edison (Georgia Tech)	Monday 1/13 2014 10:45 AM - 12:30 PM
Boyle, Linda Ng	User Preferences and Characteristics Associated with using High Occupancy Toll Lanes	Guo, Huizhong (UW), Kim, Sherry J. (UW), Kwan, Carmen (UW)	Monday 1/13/2014 4:15 PM - 6:00 PM
Boyle, Linda Ng	An analysis of the societal benefits and costs of using on-board monitoring systems for commercial vehicle operations	Pitera, Kelly (Norwegian U of Science and Tech), Goodchild, Anne (UW)	Tuesday 1/14/2014 8:30 AM-10:15 AM
Boyle, Linda Ng	What Do You See? Understanding Naturalistic Data Before the Inferential Analysis		Monday 1/13/2014 3:45 PM - 5:30 PM
Boyle, Linda Ng	Statistical Considerations in Measures of Lateral Control	Miller, Erika (UW)	Wednesday 1/15/2014 10:15 AM - 12:00 PM
Boyle, Linda Ng	Implementation and Dissemination of Recommended Practice	Romano, Richard A. (Realtime Technologies, Inc.), Green, Paul (U Michigan), Lee, John D. (U Wisconsin, Madison)	Wednesday 1/15/2014 10:15 AM - 12:00 PM
Chen, Cynthia	Mobile Phone Data as an Alternative data Source for Travel Behavior Studies	Wang, Tingting (UW), Ma, Jingtao (Traffic Technology Solutions, LLC)	Wednesday 1/15/2014 8:30 AM - 10:15 AM
Chen, Cynthia	Using Social Media Data to Understand and Assess Disasters	Guan, Xiangyang (UW)	Wednesday 1/15/2014 8:30 AM - 10:15 AM
Chen, Cynthia	Does Distance Still Matter in Facilitating Social Ties? Roles of Mobility Patterns and the Built Environment	Mei, Yingqian (UW), Liu, Yu (Peking U)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
Corey, Jonathan	Applicability of Conditional Left-Turn Phase Reservice Strategies	Lao, Yunteng (UW), Wang, Yin Hai (UW)	Tuesday 1/14/2014 10:45 AM -12:30 PM
Dailey, Daniel J.	Living Laboratories for Freeway Operations: Case Study for Collecting Driver Behavior Data Through Freeway Work Zones	Lochrane, Taylor W. P. (FHWA), Al-Deek, Haitham M. (UCF), Bared, Joe G. (FHWA)	Tuesday 1/14/2014 7:30 PM - 9:30 PM
Dannenber, Andrew L.	Use of Health Impact Assessment for Transportation Planning: Importance of Involving Transportation Agencies in Process	Ricklin, Anna (American Planning Association), Ross, Cathering (Georgia Tech), Schwartz, Michael A. (San Francisco County Transportation Authority), West, Julie (Public Health Seattle and King County), White, Steve (Oregon Public Health Institute), Wier, Megan L. (San Francisco Department of Public Health)	Wednesday 1/15/2014 8:00 AM - 9:45 AM
Dossick, Carrie Sturts	Bringing Together Geographic Information Systems Mapping with Construction Operations Building Information Exchange and Building Information Modeling Standards for Facilities Construction and Maintenance		Saturday 1/11/2014 9:00 AM - 6:00 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Dunlap, Matthew K	Bycyclists' Sensitivity to Weather in an Arid Climate	Zhang, Guohui (UNM), Wang, Yin Hai (UW)	Tuesday 1/14/2014 8:30 AM-10:15 AM
El-Anwar, Omar	Using Discrete-Event Simulation to Quantify the Impacts of DOT's Building Systems Failures on Transportation System Users	Miglaccio, Giovanni (UW), Gatti, Umberto Carlo (UW), Lin, Ken-Yu (UW), Medina, Yvonne (WsDOT)	Tuesday 1/14/2014 10:15 AM - 12:00 PM
Gatti, Umberto Carlo	Using Discrete-Event Simulation to Quantify the Impacts of DOT's Building Systems Failures on Transportation System Users	Miglaccio, Giovanni (UW), El-Anwar, Omar (UW), Lin, Ken-Yu (UW), Medina, Yvonne (WsDOT)	Tuesday 1/14/2014 10:15 AM - 12:00 PM
Gold, Robin	Cost-Benefit Analysis of Bus Rapid Transit Design Features for U.S. Cities		Tuesday 1/14/2014 4:15 PM - 6:00 PM
Goodchild, Anne	Current Status of Multimodal Freight Project Impacts Estimation	Wygonik, Erica J. (UW), Holder, Daniel (OSU), McMullen, B. Starr (OSU)	Tuesday 1/14/2014 7:30 PM - 9:30 PM
Goodchild, Anne	GPS Data Analysis of the Impact of Tolling on Truck Speed and Routing: A Case Study in Seattle, WA	Wang, Zun (UW)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Goodchild, Anne	Logistics Sprawl: Differential Warehousing Development Patterns in Los Angeles, California, and Seattle, Washington	Ogilive, Scott (UW)	Monday 1/13/2014 7:30 PM - 9:00 PM
Goodchild, Anne	An analysis of the societal benefits and costs of using on-board monitoring systems for commercial vehicle operations	Pitera, Kelly (Norwegian U of Science and Tech), Boyle, Linda Ng (UW)	Tuesday 1/14/2014 8:30 AM-10:15 AM
Goodchild, Anne	Strategically Leveraging Freight Vehicles to Reduce Carbon: Insights from Grocery Delivery	Wygonik, Erica J (UW)	Tuesday 1/14/2014 1:30 PM - 3:15 PM
Goodchild, Anne	GPS Data Analysis of Impact of Tolling on Truck Speed and Routing: Case Study in Seattle, Washington	Wang, Zun (UW)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Goodchild, Anne	Changing University Student Perceptions of Freight Transportation: Developing the Future Freight Workforce	Pitera, Kelly (Norwegian U of Science and Tech)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Guan, Xiangyang	Using Social Media Data to Understand and Assess Disasters	Chen, Cynthia (UW)	Wednesday 1/15/2014 8:30 AM - 10:15 AM
Guo, Huizhong	User Preferences and Characteristics Associated with using High Occupancy Toll Lanes	Kim, Sherry J. (UW), Kwan, Carmen (UW), Boyle, Linda Ng (UW)	Monday 1/13/2014 4:15 PM - 6:00 PM
Gutub, Sohaib	Impact on Emissions and Energy Consumption of Evolving Pavement Material Practices from 1990 to 2010: Washington State Department of Transportation Case Study	Muench, Stephen T (UW), Caraballo, Eva Martinez (Technical University of Madrid), Lin, Yen-Yu (UW), Willoughby, Kim A. (WsDOT), Uhlmeyer, Jeffrey S. (WsDOT)	Monday 1/13/2014 8:30 AM - 10:15 AM
Hallenbeck, Mark E	Framework for MAP-21 Congestion Performance Measures and Targets	Stewart, Orion (UW), Moudon, Anne Vernez (UW)	Tuesday 01/14/2014 8:00 AM-9:45 AM
Howard, Eric J	Modeling GPS-Based Walking Activity and its Association with Objectively Measured Built Environment	Kang, Bumjoon (U Buffalo), Hurvitz, Philip, M (UW), Moudon, Anne Vernez (UW), Saelens, Brian E. (UW)	Tuesday 1/14/2014 10:45:00 AM - 12:30 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Hurvitz, Philip	Modeling GPS-Based Walking Activity and its Association with Objectively Measured Built Environment	Howard, Eric J (UW), Kang, Bumjoon (U Buffalo), Moudon, Anne Vernez (UW), Saelens, Brian E. (UW)	Tuesday 1/14/2014 10:45:00 AM - 12:30 PM
Janssen, Donald	Guidelines for Use of Waste Concrete fines: NCHRP IDEA Project 166	Vandenbossche, Julie M. (Pitt), Dufalla, Nicole (Pitt)	Monday 1/13/2014 10:45 AM - 12:30 PM
Kim, Sherry J	User Preferences and Characteristics Associated with using High Occupancy Toll Lanes	Guo, Huizhong (UW), Kwan, Carmen (UW), Boyle, Linda Ng (UW)	Monday 1/13/2014 4:15 PM - 6:00 PM
Kwan, Carmen	User Preferences and Characteristics Associated with using High Occupancy Toll Lanes	Guo, Huizhong (UW), Kim, Sherry J. (UW), Boyle, Linda Ng (UW)	Monday 1/13/2014 4:15 PM - 6:00 PM
Lao, Yunteng	A Two-stage Heuristic Algorithm for Vehicle Routing Problem with Simultaneous Pickup and Delivery	Wang, Yong (Chongqing Jiaotong), Ma, Xiaolei (Beihang), Li, Zhinbin (Southeast), Wang, Yinhai (UW)	Tuesday 1/14/2014 8:30 AM-10:15 AM
Lao, Yunteng	A Hybrid of Particle Swarm Optimization and Genetic Algorithm for the Regionalism of Freight Distribution	Wang, Yong (Chongqing Jiaotong), Ma, Xiaolei (Beihang), Li, Zhinbin (Southeast), Wang, Yinhai (UW)	Tuesday 1/14/2014 8:30 AM-10:15 AM
Lao, Yunteng	Applicability of Conditional Left-Turn Phase Reservice Strategies	Corey, Jonathan (UW), Wang, Yinhai (UW)	Tuesday 1/14/2014 10:45 AM -12:30 PM
Lao, Yunteng	Simulation-Based Tolling Evaluation for Traffic Network through Customized Route Choice Module	Xu, Guangning (Harbin Institute of Technology), Liu, Xiaoyue (Cathy) (Utah), Wang, Yinhai (UW), An, Shi (Harbin Institute of Technology)	Wednesday 1/15/2014 2:45 PM - 4:30 PM
Lehman, Dawn	Concrete-Filled Steel Tubes for Accelerated Bridge Construction	Stephens, Max Taylor (UW), Roeder, Charles W. (UW)	Monday 1/13/2014 1:30 PM - 3:15 PM
Leschine, Thomas M	Safe Navigation in a Changing Arctic: Report on a Marine Board Workshop		Tuesday 1/14/2014 8:00 AM - 9:45 AM
Lin, Ken-Yu	Using Discrete-Event Simulation to Quantify the Impacts of DOT's Building Systems Failures on Transportation System Users	Miglaccio, Giovanni (UW), Gatti, Umberto Carlo (UW), El-Anwar, Omar (UW), Medina, Yvonne (WsDOT)	Tuesday 1/14/2014 10:15 AM - 12:00 PM
Lin, Yen-Yu	Impact on Emissions and Energy Consumption of Evolving Pavement Material Practices from 1990 to 2010: Washington State Department of Transportation Case Study	Muench, Stephen T (UW), Caraballo, Eva Martinez (Technical University of Madrid), Gutub, Sohaib (UW), Willoughby, Kim A. (WsDOT), Uhlmeyer, Jeffry S. (WsDOT)	Monday 1/13/2014 8:30 AM - 10:15 AM
Ma, Xiaolei	Development of a data-driven platform for transit performance measures using smart card data and GPS data	Wang, Yinhai (UW), Wang, Yong (Chongqing Jiotong), Wang, Yunpeng (Beihang)	Tuesday 1/14/2014 2:00 PM - 3:15 PM
MacKenzie, Donald Warren	Energy and Environmental Implications of Automated Vehicles: Opportunities and Challenges	Wadud, Zia (U Leeds), Leiby, Paul N. (Oak Ridge National Laboratory)	Wednesday 1/15/2014 8:00 AM - 9:45 AM
Mahoney, Joe P	Evaluation of Maintenance Effectiveness for WSDOT Pavement Network	Li, Jianhua (WsDOT), Luhr, David R (WsDOT), Uhlmeyer, Jeffrey S (WsDOT), Rydholm, Timothy Curtis (WsDOT)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Mei, Yingqian	Does Distance Still Matter in Facilitating Social Ties? Roles of Mobility Patterns and the Built Environment	Chen, Cynthia (UW), Liu, Yu (Peking U)	Wednesday 1/15/2014 4:30 PM - 6:00 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Migliaccio, Giovanni Ciro	Using Discrete-Event Simulation to Quantify the Impacts of DOT's Building Systems Failures on Transportation System Users	Gatti, Umberto Carlo (UW), El-Anwar, Omar (UW), Lin, Ken-Yu (UW), Medina, Yvonne (WsDOT)	Tuesday 1/14/2014 10:15 AM - 12:00 PM
Miller, Erika	Statistical Considerations in Measures of Lateral Control	Boyle, Linda Ng (UW)	Wednesday 1/15/2014 10:15 AM - 12:00 PM
Moudon, Anne Vernez	Framework for MAP-21 Congestion Performance Measures and Targets	Hallenbeck, Mark E (UW), Steward, Orion (UW)	Tuesday 01/14/2014 8:00 AM-9:45 AM
Moudon, Anne Vernez	Modeling GPS-Based Walking Activity and its Association with Objectively Measured Built Environment	Howard, Eric J (UW), Kang, Bumjoon (U Buffalo), Hurvitz, Philip, M (UW), Saelens, Brian E. (UW)	Tuesday 1/14/2014 10:45:00 AM - 12:30 PM
Muench, Stephen T	Sustainability Rating System for Roads		Sunday 1/12/2014 1:30 PM - 4:30 PM
Muench, Stephen T	Impact on Emissions and Energy Consumption of Evolving Pavement Material Practices from 1990 to 2010: Washington State Department of Transportation Case Study	Caraballo, Eva Martinez (Technical University of Madrid), Lin, Yen-Yu (UW), Gutub, Sohaib (UW), Willoughby, Kim A. (WsDOT), Uhlmeier, Jeffrey S. (WsDOT)	Monday 1/13/2014 8:30 AM - 10:15 AM
Ogilvie, Scott	Logistics Sprawl: Differential Warehousing Development Patterns in Los Angeles, California, and Seattle, Washington	Goodchild, Anne (UW)	Monday 1/13/2014 7:30 PM - 9:00 PM
Roeder, Charles W.	Concrete-Filled Steel Tubes for Accelerated Bridge Construction	Stephens, Max Taylor (UW), Lehman, Dawn (UW)	Monday 1/13/2014 1:30 PM - 3:15 PM
Saelens, Brian E.	Modeling GPS-Based Walking Activity and its Association with Objectively Measured Built Environment	Howard, Eric J (UW), Kang, Bumjoon (U Buffalo), Hurvitz, Philip, M (UW), Moudon, Anne Vernez (UW)	Tuesday 1/14/2014 10:45:00 AM - 12:30 PM
Shen, Qing	Influence of Street Environments on Fuel Efficiency: Insights from Naturalistic Driving	Wang, Xiaoguang (Central Michigan), Lio Chao (U Maryland), Kostyniuk, Lidia P. (U Michigan), Bao, Shan (U of Michigan Transportation Research Institute)	Tuesday 1/14/2014 8:30 AM - 10:15 AM
Stephens, Max Taylor	Concrete-Filled Steel Tubes for Accelerated Bridge Construction	Roeder, Charles W. (UW), Lehman, Dawn (UW)	Monday 1/13/2014 1:30 PM - 3:15 PM
Stewart, Orion	Framework for MAP-21 Congestion Performance Measures and Targets	Hallenbeck, Mark E (UW), Moudon, Anne Vernez (UW)	Tuesday 01/14/2014 8:00 AM-9:45 AM
Wang, Tingting	Mobile Phone Data as an Alternative data Source for Travel Behavior Studies	Chen, Cynthia (UW), Ma, Jingtao (Traffic Technology Solutions, LLC)	Wednesday 1/15/2014 8:30 AM - 10:15 AM
Wang, Yin Hai	Bycyclists' Sensitivity to Weather in an Arid Climate	Dunlap, Matthew K (UW), Zhang, Guohui (UNM)	Tuesday 1/14/2014 8:30 AM-10:15 AM
Wang, Yin Hai	Development of a data-driven platform for transit performance measures using smart card data and GPS data	Ma, Xiaolei (Beihang), Wang, Yong (Chongqing Jiotong), Wang, Yunpeng (Beihang)	Tuesday 1/14/2014 2:00 PM - 3:15 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Wang, Yinhai	Data-Driven Geospatial-enabled Transportation Platform for Freeway Performance Analysis	Xiao, Sa (UW), Liu, Xiaoyue Cathy (Utah)	Monday 1/13/2014 2:00 PM - 3:45 PM
Wang, Yinhai	A Two-stage Heuristic Algorithm for Vehicle Routing Problem with Simultaneous Pickup and Delivery	Wang, Yong (Chongqing Jiaotong), Lao, Yuteng (UW), Ma, Xiaolei (Beihang), Lao, Yunteng (UW), Li, Zhinbin (Southeast)	Tuesday 1/14/2014 8:30 AM-10:15 AM
Wang, Yinhai	A Hybrid of Particle Swarm Optimization and Genetic Algorithm for the Regionalism of Freight Distribution	Wang, Yong (Chongqing Jiaotong), Lao, Yuteng (UW), Ma, Xiaolei (Beihang), Lao, Yunteng (UW), Li, Zhinbin (Southeast)	Tuesday 1/14/2014 8:30 AM-10:15 AM
Wang, Yinhai	Applicability of Conditional Left-Turn Phase Reservice Strategies	Corey, Jonathan (UW), Lao, Yunteng (UW)	Tuesday 1/14/2014 10:45 AM -12:30 PM
Wang, Yinhai	Analysis of Weather-Lagged Effects on Freeway Free-Flow Characteristics in Jilin, China	Zhang, Shen (Harbin Institute of Technology), Wang, Hua (Harbin Institute of Technology), Liu, Xin (Harbin Institute of Technology)	Tuesday 1/14/2014 8:30 AM - 10:15 AM
Wang, Yinhai	Simulation-Based Tolling Evaluation for Traffic Network through Customized Route Choice Module	Xu, Guangning (Harbin Institute of Technology), Lao, Yunteng (UW), Liu, Xiaoyue (Cathy) (Utah), An, Shi (Harbin Institute of Technology)	Wednesday 1/15/2014 2:45 PM - 4:30 PM
Wang, Yong	A Two-stage Heuristic Algorithm for Vehicle Routing Problem with Simultaneous Pickup and Delivery	Ma, Xiaolei (Beihang), Lao, Yunteng (UW), Li, Zhinbin (Southeast), Wang, Yinhai (UW)	Tuesday 1/14/2014 8:30 AM-10:15 AM
Wang, Yong	A Fuzzy Customer Clustering Algorithm for Optimizing Hierarchical Logistics Network Structure	Ma, Xiaolei (Beihang), Lao, Yunteng (UW), Xu, Maozeng (Chongqing Jiaotong), Wang, Yinhai (UW)	Tuesday 1/14/2014 8:30 AM-10:15 AM
Wang, Yong	A Hybrid of Particle Swarm Optimization and Genetic Algorithm for the Regionalism of Freight Distribution	Ma, Xiaolei (Beihang), Lao, Yunteng (UW), Li, Zhinbin (Southeast), Wang, Yinhai (UW)	Tuesday 1/14/2014 8:30 AM-10:15 AM
Wang, Zun	GPS Data Analysis of the Impact of Tolling on Truck Speed and Routing: A Case Study in Seattle, WA	Goodchild, Anne (UW)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Wang, Zun	GPS-Data-Based Truck Mobility Measurement and Its Applications in Freight Planning		Monday 1/13/2014 4:15 PM - 6:00 PM
Wang, Zun	GPS Data Analysis of Impact of Tolling on Truck Speed and Routing: Case Study in Seattle, Washington	Goodchild, Anne (UW)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Wygonik, Erica	Current Status of Multimodal Freight Project Impacts Estimation	Holder, Daniel (OSU), McMullen, B. Starr (OSU), Goodchild, Anne (UW)	Tuesday 1/14/2014 7:30 PM - 9:30 PM
Wygonik, Erica J	Strategically Leveraging Freight Vehicles to Reduce Carbon: Insights from Grocery Delivery	Goodchild, Anne (UW)	Tuesday 1/14/2014 1:30 PM - 3:15 PM
Xiao, Sa	Data-Driven Geospatial-enabled Transportation Platform for Freeway Performance Analysis	Liu, Xiaoyue Cathy (Utah), Wang, Yinhai (UW)	Monday 1/13/2014 2:00 PM - 3:45 PM
Zou, Yajie	Comparison of Sichel and Negative Binomial Models in Hotspot Identification	Wu, Lingtao (Texas A&M), Lord, Dominique (Texas A&M)	Wednesday 1/15/2014 2:30 PM - 4:00 PM
Zou, Yajie	The Poisson Inverse Gaussian (PIG) Generalized Linear Regression Model for Analyzing Motor Vehicle Crash Data	Zha, Liteng (Texas A&M), Lord, Dominique (Texas A&M)	Monday 1/13/2014 2:00 PM - 3:45 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Zou, Yajie	Applying the Generalized Waring model for investigating sources of variance in motor vehicle crash analysis	Peng, Yichuan (Texas A&M), Lord, Dominique (Texas A&M)	Monday 1/13/2014 2:00 PM - 3:45 PM
<b>Washington State University</b>			
<b>Name</b>	<b>Title of Paper</b>	<b>Secondary/Other Authors</b>	<b>Date/Time of Presentation</b>
Bower, Nathan	Evaluation of Performance of Warm-Mix Asphalt in Washington State	Wu, Shengua (WSU), Wen, Haifang (WSU), Willoughby, Kim A. (WsDOT), Wetson, Jim (WsDOT), DeVol, Joe (WsDOT)	Tuesday 1/14/2014 2:00 PM - 3:45 PM
Busal, Sushanta	Toward Development of Asphaltic Materials to Resist Studded Tire Wear	Wen, Haifang (WSU)	Monday 1/13/2014 1:30 PM - 3:15 PM
Cantrell, Logan D	Life-Cycle Cost of 4.75-mm Nominal Maximum Aggregate Size Thin Overlays: Review and Analysis for Washington State	Shen, Shihui (Penn St), Russell, Mark (WsDOT), Kinne, Chuck (WsDOT), Uhlmeyer, Jeffery S. (WsDOT), Willoughby, Kim A. (WsDOT)	Monday 1/13/2014 8:30 AM - 10:15 AM
Daratha, Kelvin	Traffic Signal System Misconceptions Across Three Cohorts: Novice Students, Expert Students, and Practicing Engineers	Hurwitz, David S. (OSU), Brown, Shane (OSU), Islam, Mohammad (OSU), Kyte, Michael (UI)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
Freimund, Maxwell R. J.	Long-Term Performance of Media Filter Drains	Thomas, Agathe R. P. (WSU), Haselbach, Liv (WSU), Poor, Cara (WSU)	Monday 1/13/2014 7:30 PM - 9:30 PM
Haselbach, Liv	Stormwater Treatment Strategy for Port Pavement Runoff	Thompson, Michael (WSU), Poor, Cara (WSU)	Monday 1/13/2014 2:00 PM - 3:45 PM
Haselbach, Liv	Long-Term Performance of Media Filter Drains	Thomas, Agathe R. P. (WSU), Freimund, Maxwell R. J. (WSU), Poor, Cara (WSU)	Monday 1/13/2014 7:30 PM - 9:30 PM
Haselbach, Liv	Metal Sorption in Pervious Concrete with Ordinary Portland Cement and Fly Ash	Tilson, Jerin (WSU), Poor, Cara (WSU)	Wednesday 1/15/2014 8:30 AM - 10:15 AM
Katona, Michael G.	Use of CANDE to Analyze Rail Loading on Plastic Culverts	Toliver, Tim (Advanced Pipe Services)	Monday 1/13/2014 1:30 PM - 5:30 PM
Katona, Michael G.	History of Soil-Structure Interaction Models for Buried Culverts		Tuesday 1/14/2014 10:15 AM - 12:00 PM
Li, Xiaojun	Modeling the Drying Process of Soils and Cementitiously Stabilized Soils	Wen, Haifang (WSU), Muhunthan, Balasingam (WSU)	Tuesday 1/14/2014 2:00 PM - 3:45 PM
Lu, Xin	Investigation of the Influence of Crack Width on Healing Properties of Asphalt Binders at Multiscale Levels	Shen, Shihui (Penn St)	Tuesday 1/14/2014 2:00 PM - 3:45 PM
Muhunthan, Balasingam	Modeling the Drying Process of Soils and Cementitiously Stabilized Soils	Li, Xiaojun (WSU), Wen, Haifang (WSU)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Poor, Cara	Stormwater Treatment Strategy for Port Pavement Runoff	Thompson, Michael (WSU), Haselbach, Liv (WSU)	Monday 1/13/2014 2:00 PM - 3:45 PM
Poor, Cara	Long-Term Performance of Media Filter Drains	Thomas, Agathe R. P. (WSU), Freimund, Maxwell R. J. (WSU), Haselbach, Liv (WSU)	Monday 1/13/2014 7:30 PM - 9:30 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Poor, Cara	Metal Sorption in Pervious Concrete with Ordinary Portland Cement and Fly Ash	Haselbach, Liv (WSU), Tilson, Jerin (WSU)	Wednesday 1/15/2014 8:30 AM - 10:15 AM
Rose, Mark	Evaluation of Nonnuclear-Density Gauges for Measuring In-Place Density of Soils and Base Materials	Wen, Haifang (WSU), Sharma, Sunil (UI)	Tuesday 1/14/2014 2:00 PM - 3:45 PM
Thomas, Agathe R. P.	Long-Term Performance of Media Filter Drains	Freimund, Maxwell R. J. (WSU), Haselbach, Liv (WSU), Poor, Cara (WSU)	Monday 1/13/2014 7:30 PM - 9:30 PM
Thompson, Michael	Stormwater Treatment Strategy for Port Pavement Runoff	Haselbach, Liv (WSU), Poor, Cara (WSU)	Monday 1/13/2014 2:00 PM - 3:45 PM
Tilson, Jerin	Metal Sorption in Pervious Concrete with Ordinary Portland Cement and Fly Ash	Haselbach, Liv (WSU), Poor, Cara (WSU)	Wednesday 1/15/2014 8:30 AM - 10:15 AM
Wen, Haifang	Toward Development of Asphaltic Materials to Resist Studded Tire Wear	Busal, Sushanta (WSU)	Monday 1/13/2014 1:30 PM - 3:15 PM
Wen, Haifang	Evaluation of Nonnuclear-Density Gauges for Measuring In-Place Density of Soils and Base Materials	Rose, Mark (WSU), Sharma, Sunil (UI)	Tuesday 1/14/2014 2:00 PM - 3:45 PM
Wen, Haifang	Evaluation of Performance of Warm-Mix Asphalt in Washington State	Wu, Shengua (WSU), Bower, Nathan (WSU), Willoughby, Kim A. (WsDOT), Wetson, Jim (WsDOT), DeVol, Joe (WsDOT)	Tuesday 1/14/2014 2:00 PM - 3:45 PM
Wen, Haifang	Modeling the Drying Process of Soils and Cementitious Stabilized Soils	Li, Xiaojun (WSU), Muhunthan, Balasingam (WSU)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Wen, Haifeng	Performance Evaluation of Hot-Mix Asphalt Containing Recycled Asphalt Shingles in Washington State	Wu, Shengua (WSU), Zhang, Kun (WSU), DeVol, Joe (WsDOT), Kelsey, Kevin (King County Road Service Dept)	Monday 1/13/2014 10:15 AM - 12:00 PM
Wu, Shengua	Performance Evaluation of Hot-Mix Asphalt Containing Recycled Asphalt Shingles in Washington State	Zhang, Kun (WSU), Wen, Haifang (WSU), DeVol, Joe (WsDOT), Kelsey, Kevin (King County Road Service Dept)	Monday 1/13/2014 10:15 AM - 12:00 PM
Wu, Shengua	Evaluation of Performance of Warm-Mix Asphalt in Washington State	Bower, Nathan (WSU), Wen, Haifang (WSU), Willoughby, Kim A. (WsDOT), Wetson, Jim (WsDOT), DeVol, Joe (WsDOT)	Tuesday 1/14/2014 2:00 PM - 3:45 PM
Wu, Shengua	Investigation of the Effect of Warm-Mix Asphalt Properties on Predicted Pavement Performance Using Pavement Mechanistic-Empirical Analysis Program	Shen, Shihui (Penn St), Zhang, Weiguang (WSU), Mohammad, Louay N. (LSU)	Wednesday 1/15/2014 2:30 PM - 4:00 PM
Zhang, Kun	Performance Evaluation of Hot-Mix Asphalt Containing Recycled Asphalt Shingles in Washington State	Wu, Shengua (WSU), Wen, Haifang (WSU), DeVol, Joe (WsDOT), Kelsey, Kevin (King County Road Service Dept)	Monday 1/13/2014 10:15 AM - 12:00 PM
Zhang, Weiguang	Investigation of the Effect of Warm-Mix Asphalt Properties on Predicted Pavement Performance Using Pavement Mechanistic-Empirical Analysis Program	Shen, Shihui (Penn St), Wu, Shengua (WSU), Mohammad, Louay N. (LSU)	Wednesday 1/15/2014 2:30 PM - 4:00 PM
<b>Oregon State University</b>			
<b>Name</b>	<b>Title of Paper</b>	<b>Secondary/Other Authors</b>	<b>Date/Time of Presentation</b>
Brown, Shane	Traffic Signal System Misconceptions Across Three Cohorts: Novice Students, Expert Students, and Practicing Engineers	Hurwitz, David S. (OSU), Islam, Mohammad (OSU), Daratha, Kelvin (WSU), Kyte, Michael (UI)	Wednesday 1/15/2014 4:30 PM - 6:00 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Calvo-Amodio, Javier	Truck Cab Scoring Tool: An Ergonomic and Anthropometric Analysis Tool for Assisting Fleet-Purchasing Decisions		Tuesday 1/14/2014 8:30 AM - 10:15 AM
Dong, Shangjia	Vehicle-Type Specific Headway Distribution in Freeway Work Zones: A Nonparametric Approach	Wang, Haizhong (OSU), Hurwitz, David S. (OSU), Heaslip, Kevin (Utah State)	Monday 1/13/2014 8:30 AM - 10:15 AM
Dong, Shangjia	Modelling and Analysis of Bottleneck Breakdown on Freeways with Multiple On-Ramps: a Copula Approach	Wang, Haizhong (OSU), Li, Jia (UC Davis), Yu, Yang (Texas Tech)	Tuesday 1/14/2014 8:30 AM - 10:15 AM
Gaines, Lisa	Valuation and Crediting Approach for Transportation and Metropolitan Planning Agencies	Kagen, James Scott (OSU), Shilling, Fraser Mark (UC Davis)	Monday 1/13/2014 10:15 AM - 12:00 PM
Gambatese, John Anthony	Influence of Mobile Work Zone Barriers in Maintenance Work Zones on Driver Behavior: Driving Simulator Study	Neill, Justin (OSU), Swake, Joshua (OSU), Hurwitz, David S. (OSU)	Monday 1/13/2014 7:30 PM - 9:30 PM
Gambatese, John Anthony	Implementation and Evaluation of Traffic Control Devices on Highway Nighttime Paving Projects	Zhang, Fan (OSU), Vahed, Ali Moghaddam (OSU)	Tuesday 1/14/2014 1:30 PM - 3:15 PM
Hernandez, Salvador	Modeling Injury Outcomes of Crashes Involving Heavy Vehicles in Rural and Urban Settings in Texas	Islam, Mouyid Bin (CH2M Hill)	Tuesday 1/14/2014 7:30 PM - 9:30 PM
Hernandez, Salvador	Capacitated Centralized Carrier Collaboration Multihub Location Problem: Tabu Search Approach (14-4566)	Wang, Hao (Zhejiang), Unnikrishnan, Avinash (WVU), Cheu, Ruey Long (U Texas, El Paso)	Wednesday 1/15/2014 2:45 PM - 4:30 PM
Holder, Daniel	Current Status of Multimodal Freight Project Impacts Estimation	Wygonik, Erica J. (UW), McMullen, B. Starr (OSU), Goodchild, Anne (UW)	Tuesday 1/14/2014 7:30 PM - 9:30 PM
Hunter-Zaworski, Katharine M.	Bicycle Network Connectivity for Passenger Rail Stations	Mueller, Jonathan (OSU)	Tuesday 1/14/2014 7:30 PM - 9:30 PM
Hurwitz, David S.	Influence of Mobile Work Zone Barriers in Maintenance Work Zones on Driver Behavior: Driving Simulator Study	Neill, Justin (OSU), Swake, Joshua (OSU), Gambatese, John (OSU)	Monday 1/13/2014 7:30 PM - 9:30 PM
Hurwitz, David S.	Vehicle-Type Specific Headway Distribution in Freeway Work Zones: A Nonparametric Approach	Dong, Shangjia (OSU), Wang, Haizhong (OSU), Heaslip, Kevin (Utah State)	Monday 1/13/2014 8:30 AM - 10:15 AM
Hurwitz, David S.	Three- or Four-Section Displays for Permissive Left-Turns? Some Evidence from Simulator-Based Analysis of Driver Performance	Monsere, Christopher M. (Portland State University), Marnell, Patrick (OSU), Paulsen, Kirk (City of Portland)	Tuesday 1/14/2014 8:00 AM - 9:45 AM
Hurwitz, David S.	Traffic Signal System Misconceptions Across Three Cohorts: Novice Students, Expert Students, and Practicing Engineers	Brown, Shane (OSU), Islam, Mohammad (OSU), Daratha, Kelvin (WSU), Kyte, Michael (UI)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
Islam, Mohammad	Traffic Signal System Misconceptions Across Three Cohorts: Novice Students, Expert Students, and Practicing Engineers	Hurwitz, David S. (OSU), Brown, Shane (OSU), Daratha, Kelvin (WSU), Kyte, Michael (UI)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
John Anthony Gambatese	Design and Construction Impacts to Traffic Control Plan Quality, Consistency, and Safety	Johnson, Michael (Miller Consulting Engineers, Inc.)	Monday 1/13/2014 8:30 AM - 10:15 AM



# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Kagan, James Scott	Valuation and Crediting Approach for Transportation and Metropolitan Planning Agencies	Shilling, Fraser Mark (UC Davis), Gaines, Lisa (OSU)	Monday 1/13/2014 10:15 AM - 12:00 PM
Liu, Lu	A Hybrid Short-Term Traffic Speed Forecasting Model Through Empirical Mode Decomposition (EMD) and Autoregressive Integrated Moving Average (ARIMA)	Wang, Haizhong (OSU), Zhen, Qian (Carnegie Mellon), Wei, Heng (U Cincinnati)	Tuesday 1/14/2014 1:30 PM - 3:15 PM
Marnell, Patrick	Three- or Four-Section Displays for Permissive Left-Turns? Some Evidence from Simulator-Based Analysis of Driver Performance	Hurwitz, David S. (OSU), Monsere, Christopher M. (Portland State University), Paulsen, Kirk (City of Portland)	Tuesday 1/14/2014 8:00 AM - 9:45 AM
McMullen, B. Starr	Current Status of Multimodal Freight Project Impacts Estimation	Wygonik, Erica J. (UW), Holder, Daniel (OSU), Goodchild, Anne (UW)	Tuesday 1/14/2014 7:30 PM - 9:30 PM
Mueller, Jonathan	Bicycle Network Connectivity for Passenger Rail Stations	Hunter-Zaworski, Katharine M. (OSU)	Tuesday 1/14/2014 7:30 PM - 9:30 PM
Neill, Justin	Influence of Mobile Work Zone Barriers in Maintenance Work Zones on Driver Behavior: Driving Simulator Study	Swake, Joshua (OSU), Hurwitz, David S. (OSU), Gambatese, John (OSU)	Monday 1/13/2014 7:30 PM - 9:30 PM
Palm, Matthew	Population Density and Households' Transportation and Housing Cost Trade-offs	Wang, Haizhong	Monday 1/13/2014 8:30 AM - 10:15 AM
Palm, Matthew	Differences in Cellphone-Only Households in Large Versus Small Metropolitan Areas: Evidence from Oregon		Monday 1/13/2014 2:00 PM - 3:45 PM
Swake, Joshua	Influence of Mobile Work Zone Barriers in Maintenance Work Zones on Driver Behavior: Driving Simulator Study	Neill, Justin (OSU), Hurwitz, David S. (OSU), Gambatese, John (OSU)	Monday 1/13/2014 7:30 PM - 9:30 PM
Vahed, Ali Moghaddam	Implementation and Evaluation of Traffic Control Devices on Highway Nighttime Paving Projects	Gambatese, John Anthony (OSU), Zhang, Fan (OSU)	Tuesday 1/14/2014 1:30 PM - 3:15 PM
Wang, Haizhong	Population Density and Households' Transportation and Housing Cost Trade-offs	Palm, Matthew	Monday 1/13/2014 8:30 AM - 10:15 AM
Wang, Haizhong	Vehicle-Type Specific Headway Distribution in Freeway Work Zones: A Nonparametric Approach	Dong, Shangjia (OSU), Hurwitz, David S. (OSU), Heaslip, Kevin (Utah State)	Monday 1/13/2014 8:30 AM - 10:15 AM
Wang, Haizhong	Modelling and Analysis of Bottleneck Breakdown on Freeways with Multiple On-Ramps: a Copula Approach	Li, Jia (UC Davis), Yu, Yang (Texas Tech), Dong, Shangjia (OSU)	Tuesday 1/14/2014 8:30 AM - 10:15 AM
Wang, Haizhong	A Hybrid Short-Term Traffic Speed Forecasting Model Through Empirical Mode Decomposition (EMD) and Autoregressive Integrated Moving Average (ARIMA)	Liu, Lu (OSU), Zhen, Qian (Carnegie Mellon), Wei, Heng (U Cincinnati)	Tuesday 1/14/2014 1:30 PM - 3:15 PM
Zhang, Fan	Implementation and Evaluation of Traffic Control Devices on Highway Nighttime Paving Projects	Gambatese, John Anthony (OSU), Vahed, Ali Moghaddam (OSU)	Tuesday 1/14/2014 1:30 PM - 3:15 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Zheng, Jianfei	Safety Performance for Roundabout Applications in Oregon	Dixon, Karen K. (Texas A&M)	Monday 1/13/2014 2:00 PM - 3:45 PM
<b>University of Idaho</b>			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Dixon, Michael P.	Using Origin-Destination Centrality to Estimate Directional Bicycle Volumes	McDaniel, Stephen (UI), Lowry, Michael B. (UI)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
Kyte, Michael	Traffic Signal System Misconceptions Across Three Cohorts: Novice Students, Expert Students, and Practicing Engineers	Hurwitz, David S. (OSU), Brown, Shane (OSU), Islam, Mohammad (OSU), Daratha, Kelvin (WSU)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
Lowry, Michael B.	Estimating Annual Average Daily Traffic Across Small Cities Based on Network Centrality		Tuesday 1/14/2014 4:15 PM - 6:00 PM
Lowry, Michael B.	Using Origin-Destination Centrality to Estimate Directional Bicycle Volumes	McDaniel, Stephen (UI), Dixon, Michael P. (UI)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
McDaniel, Stephen	Using Origin-Destination Centrality to Estimate Directional Bicycle Volumes	Lowry, Michael B. (UI), Dixon, Michael P. (UI)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
Sharma, Sunil	Evaluation of Nonnuclear-Density Gauges for Measuring In-Place Density of Soils and Base Materials	Rose, Mark (WSU), Wen, Haifang (WSU)	1/14/2014 2:00 PM - 3:45 PM
<b>University of Alaska, Fairbanks</b>			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Darrow, Margaret M.	Cold Region Applications for MEMS-Based-In-place Inclinometers: Four Evaluation Case Studies	Jensen, David D. (UAF)	Monday 1/13/2014 10:45 AM - 12:30 PM
Jensen, David D.	Cold Region Applications for MEMS-Based-In-place Inclinometers: Four Evaluation Case Studies	Darrow, Margaret M. (UAF)	Monday 1/13/2014 10:45 AM - 12:30 PM
<b>Washington State Department of Transportation</b>			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Badger, Thomas C.	Advances in Engineering Geology		Tuesday 1/14/2014 1:30 PM - 3:15 PM
Baker, Thomas E.	Washington State Experience with SHRP 2 products	Smith, Brian J. (WsDOT), Nisbet, John (WsDOT)	Sunday 1/12/2014 1:30 PM - 4:30 PM
Cantrell, Logan D.	Life-Cycle Cost of 4.75-mm Nominal Maximum Aggregate Size Thin Overlays: Review and Analysis for Washington State	Shen, Shihui (Penn St.), Russell, Mark (WsDOT), Kinne, Chuck (WsDOT), Uhlmeyer, Jeffrey S. (WsDOT), Willoughby, Kim A. (WsDOT)	Monday 1/13/2014 8:00 AM - 10:15 AM
DeVol, Joe	Performance Evaluation of Hot-Mix Asphalt Containing Recycled Asphalt Shingles in Washington State	Wu, Shenghua (WSU), Zhang, Kun (WSU), Wen, Haifang (WSU), Kelsey, Kevin (King County Road Service Dept)	Monday 1/13/2014 10:15 AM - 12:00 PM
DeVol, Joe	Evaluation of Performance of Warm-Mix Asphalt in Washington State	Bower, Nathan (WSU), Wu, Shenghua (WSU), Wen, Haifang (WSU), Willoughby, Kim A. (WsDOT), Wetson, Jim (WsDOT)	Tuesday 1/14/2014 2:00 PM - 3:45 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Ivanov, Barbara A.	Using Scenario Planning for Freight Transportation Infrastructure Investment: Thinking Differently About the Future		Wednesday 1/15/2014 8:00 AM - 9:45 AM
Katona, Michael G.	Use of CANDE to Analyze Rail Loading on Plastic Culverts	Toliver, Tim (Advance Pipe Services)	Monday 1/13/2014 1:30 PM - 5:30 PM
Khaleghi, Bijan	Use of Performance-Based Seismic Design Criteria for WSDOT Major Bridges		Monday 1/13/2014 8:00 AM - 9:45 AM
Kinne, Chuck	Life-Cycle Cost of 4.75-mm Nominal Maximum Aggregate Size Thin Overlays: Review and Analysis for Washington State	Shen, Shihui (Penn St.), Cantrell, Logan D. (WSDOT), Russell, Mark (WSDOT), Uhlmeyer, Jeffrey S. (WSDOT), Willoughby, Kim A. (WSDOT)	Monday 1/13/2014 8:00 AM - 10:15 AM
Lagerberg, Brian	Legislative Support for Vanpools		Sunday 1/12/2014 9:00 AM - 12:00 PM
Legg, Bill B.	The Use of Data for Travel Time Reliability at Washington State Department of Transportation		Sunday 1/12/2014 1:30 PM - 4:30 PM
Li, Jianhua	Evaluation of Maintenance Effectiveness for WSDOT Pavement Network	Luhr, David R (WSDOT), Uhlmeyer, Jeffrey S (WSDOT), Rydholm, Mahoney, Joe (UW), Timothy Curtis (WSDOT)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Luhr, David R.	Evaluation of Maintenance Effectiveness for WSDOT Pavement Network	Li, Jianhua (WSDOT), Uhlmeyer, Jeffrey S (WSDOT), Rydholm, Mahoney, Joe (UW), Timothy Curtis (WSDOT)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Luhr, David R.	Modeling and Analyzing Budget-Constrained Pavement Preservation Strategies	Rydholm, Timothy Curtis (WSDOT)	Wednesday 1/15/2014 8:30 AM - 10:15 AM
Medina, Yvonne	Using Discrete-Event Simulation to Quantify the Impacts of DOT's Building Systems Failures on Transportation System Users	Migliaccio, Giovanni (UW), Gatti, Umberto Carlo (UW), El-Anwar, Omar (UW), Lin, Ken-Yu (UW), Medina, Yvonne (WSDOT)	Tuesday 1/14/2014 10:15 AM - 12:00 PM
Milton, John C.	State Risk Management and Project Development Considerations		Wednesday 1/15/2014 8:00 AM - 9:45 AM
Mooney, Dennis Todd	Large-Diameter Pipe Piles Driven for Ebey Slough Bridge Replacement Project, Marysville, Washington	Petek, Kathryn Ann (Shannon & Wilson, Inc.), Mitchell, Robert A. (Shannon & Wilson, Inc.), Buechel, Gerard J (Shannon & Wilson, Inc.)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
Nisbet, John	Washington State Experience with SHRP 2 products	Baker, Thomas E. (WSDOT), Smith, Brian J. (WSDOT)	Sunday 1/12/2014 1:30 PM - 4:30 PM
Oman, Leni	Building an Enterprise Strategy		Tuesday 1/14/2014 7:30 - 9:30 PM
Pate, Ron	State Perspectives [with regard to the Passenger Rail Investment and Improvement Act of 2008, Section 209]	Worley, Paul C. (NCDOT), Page, Kevin B. (Virginia DOT), Hoeffner, Timothy H. (Michigan DOT), Kutrosky, David (Capitol Corridor Joint Powers Authority), Quinn, Patricia (Northern New England Passenger Rail Authority), Hessinger, Ray (NYSDOT)	Sunday 1/12/2014 9:00 AM - 12:00 PM
Peterson, Lynn	Panel Discussion: Perspectives on the Nexus Between Health and Transportation	Davey, Richard (Mass DOT), Bartlett, Cheryl (Mass DOT), Lewis, Michael P. (RI DOT)	Monday 1/13/2014 1:30 PM - 3:15 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Prestrud, Charles E.	Under What Price Conditions Do CNG-Powered Passenger Vehicles Make Economic Sense	Barnes, Ryan (Utah State), Bosworth, Ryan (Utah State), Heaslip, Kevin (Utah State), Sobh, Ali Soltani (Utah State)	Tuesday 1/14/2014 7:30 - 9:30 PM
Robbins, Elizabeth	WSDOT's Community Transportation Planning Portal: ArcGIS Online Forum for Collaboration in Planning		Tuesday 1/14/2014 1:30 PM - 3:15 PM
Rodeheaver, Grant	Washington State Department of Transportation Experience [with Applications and Implementation Options in Deployment of Mobile Devices]		Wednesday 1/15/2014 8:00 AM - 9:45 AM
Rubstello, Patty	Where Are We Now? [with regard to congestion pricing and managed lanes]	Moore, Adrian T. (Reason Foundation), Wiggins, Stephanie (Los Angeles County Metropolitan Transportation Authority), Jacobs, Angela (FHWA), Guensler, Randall (Georgia Tech), Rivera, Debora (FDOT)	Sunday 1/12/2014 1:30 PM - 4:30 PM
Rubstello, Patty	Near-Continuous-Access HOV and HOT Lanes		Monday 1/13/2014 10:45 AM - 12:30 PM
Russell, Mark	Life-Cycle Cost of 4.75-mm Nominal Maximum Aggregate Size Thin Overlays: Review and Analysis for Washington State	Shen, Shihui (Penn St.), Cantrell, Logan D. (WsDOT), Kinne, Chuck (WsDOT), Uhlmeyer, Jeffrey S. (WsDOT), Willoughby, Kim A. (WsDOT)	Monday 1/13/2014 8:00 AM - 10:15 AM
Rydholm, Timothy Curtis	Evaluation of Maintenance Effectiveness for WSDOT Pavement Network	Li, Jianhua (WsDOT), Luhr, David R (WsDOT), Uhlmeyer, Jeffrey S (WsDOT), Rydholm, Mahoney, Joe (UW)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Rydholm, Timothy Curtis	Modeling and Analyzing Budget-Constrained Pavement Preservation Strategies	Luhr, David R. (WsDOT)	Wednesday 1/15/2014 8:30 AM - 10:15 AM
Sexton, Tim	Quieter Pavement Program in Washington State	Uhlmeyer, Jeffrey S. (WsDOT)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
Smith, Brian J.	Washington State Experience with SHRP 2 products	Baker, Thomas E. (WsDOT), Nisbet, John (WsDOT)	Sunday 1/12/2014 1:30 PM - 4:30 PM
Uhlmeyer, Jeffrey S.	Life-Cycle Cost of 4.75-mm Nominal Maximum Aggregate Size Thin Overlays: Review and Analysis for Washington State	Shen, Shihui (Penn St.), Cantrell, Logan D. (WsDOT), Russell, Mark (WsDOT), Kinne, Chuck (WsDOT), Willoughby, Kim A. (WsDOT)	Monday 1/13/2014 8:00 AM - 10:15 AM
Uhlmeyer, Jeffrey S.	Impact on Emissions and Energy Consumption of Evolving Pavement Material Practices from 1990 to 2010: Washington State Department of Transportation Case Study	Muench, Steven T. (UW), Caraballo, Eva Martinez (Technical University of Madrid), Lin, Yen-Yu (UW), Gutub, Sohaib (UW), Willoughby, Kim A. (WsDOT),	Monday 1/13/2014 8:30 AM - 10:15 AM
Uhlmeyer, Jeffrey S.	Evaluation of Maintenance Effectiveness for WSDOT Pavement Network	Li, Jianhua (WsDOT), Luhr, David R (WsDOT), Rydholm, Mahoney, Joe (UW), Timothy Curtis (WsDOT)	Tuesday 1/14/2014 3:45 PM - 5:30 PM
Uhlmeyer, Jeffrey S.	Quieter Pavement Program in Washington State	Sexton, Tim (WsDOT)	Wednesday 1/15/2014 4:30 PM - 6:00 PM
Weston, Kim A.	Evaluation of Performance of Warm-Mix Asphalt in Washington State	Bower, Nathan (WSU), Wu, Shengua (WSU), Wen, Haifang (WSU), Willoughby, Kim A. (WsDOT), DeVol, Joe (WsDOT)	Tuesday 1/14/2014 2:00 PM - 3:45 PM
Willoughby, Kim A.	Life-Cycle Cost of 4.75-mm Nominal Maximum Aggregate Size Thin Overlays: Review and Analysis for Washington State	Shen, Shihui (Penn St.), Cantrell, Logan D. (WsDOT), Russell, Mark (WSDOT), Kinne, Chuck (WSDOT), Uhlmeyer, Jeffrey S. (WsDOT)	Monday 1/13/2014 8:00 AM - 10:15 AM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Willoughby, Kim A.	Impact on Emissions and Energy Consumption of Evolving Pavement Material Practices from 1990 to 2010: Washington State Department of Transportation Case Study	Muench, Steven T. (UW), Caraballo, Eva Martinez (Technical University of Madrid), Lin, Yen-Yu (UW), Gutub, Sohaib (UW), Uhlmeier, Jeffrey S. (WsDOT)	Monday 1/13/2014 8:30 AM - 10:15 AM
Willoughby, Kim A.	Evaluation of Performance of Warm-Mix Asphalt in Washington State	Bower, Nathan (WSU), Wu, Shengua (WSU), Wen, Haifang (WSU), Wetson, Jim (WsDOT), DeVol, Joe (WsDOT)	Tuesday 1/14/2014 2:00 PM - 3:45 PM

## Oregon Department of Transportation

Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Bettinardi, Alex	Estimated Economic Value of an Investment Program to Mitigate Impacts of a Major Seismic Event Using Oregon Statewide Integrated Model	Knudson, Rebecca A. (ODOT)	Wednesday 1/15/2014 2:30 PM - 4:00 PM
Hadlow, Robert W.	Rehabilitating the Historic Willamette River Bridge in Oregon: Award-Winning Project		Tuesday 1/14/2014 1:30 PM - 3:15 PM
Johnson, Bruce V.	System Performance Assessment of Oregon State Highways for a Cascadia Subduction Zone Event		Monday 1/13/2014 8:00 AM - 9:45 AM
Johnson, Bruce V.	Long-Term Bridge Performance Protocols		Thursday 1/16/2014 8:00 AM - 12:00 PM
Knudson, Rebecca A.	Estimated Economic Value of an Investment Program to Mitigate Impacts of a Major Seismic Event Using Oregon Statewide Integrated Model	Bettinardi, Alex (ODOT)	Wednesday 1/15/2014 2:30 PM - 4:00 PM
Maestre, Robert	Mosaic: Oregon's Value- and Cost-Informed Planning Tool	Seskin, Samuel N. (CH2M Hill), Ciarlo, Catherine (CH2M Hill), Gros, Stéphane (HDR)	Tuesday 1/14/2014 4:15 PM - 6:00 PM
Mather, Paul	Oregon's OTIA III Bridge Program		Wednesday 1/15/2014 10:15 AM - 12:00 PM
Whitty, James	State Case Studies on Transportation Revenue Measures	Rall, Jaime (National Conference of State Legislatures), Gartner, Bruce (MDDOT)	Sunday 1/12/2014 9:00 AM - 12:00 PM

## Port of Seattle

Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Amble, David N.	What are the Most Important Issues in Marine Transportation	Carr, Mark J. (Channel Design Group, Inc.), Golias, Mihalis M. (U Memphis), Goward, Dana A. (Resilient Navigation & Timing Foundation), Stich, Bethany (U of New Orleans)	Sunday 1/12/2014 9:00 AM - 12:00 PM

## Port of Portland

Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Drumm, Scott	Evaluating Industry-Specific Freight Patterns: Case Study of Portland High-Tech Industries	Park, Lisa K. (American Transportation Research Institute), Pierce, David (American Transportation Research Institute), Katsikides, Nicole (FHWA)	Tuesday 1/14/2013 10:45 AM - 12:30 PM

## City of Portland

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Koonce, Peter J. V.	Mitigating Right-Turn Conflict Using Protected-Yet-Concurrent Phasing for Cycle Track and Pedestrian Crossings	Furth, Peter G. (Northeastern), Peng, Fei (Northeastern), Yu, Miao (Kevin) (Northeastern), Littman, Michael (Northeastern)	Tuesday 1/14/2013 8:30 AM - 10:15 AM
Koonce, Peter J. V.	Effect of Reducing Maximum Cycle Length on Roadside Air Quality and Travel Times on a Corridor in Portland, Oregon	Kendrick, Christine M. (Portland State), Urowsky, David (Portland Bureau of Transportation), Rotich, Willie Kiplangat (City of Portland), George, Linda (Portland State)	Tuesday 1/14/2013 10:45 AM - 12:30 PM
Rotich, Willie Kiplangat	Effect of Reducing Maximum Cycle Length on Roadside Air Quality and Travel Times on a Corridor in Portland, Oregon	Kendrick, Christine M. (Portland State), Urowsky, David (Portland Bureau of Transportation), Koonce, Peter J. V. (City of Portland), George, Linda (Portland State)	Tuesday 1/14/2013 10:45 AM - 12:30 PM
<b>King County Metro</b>			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Rowe, Daniel Hollis	Right-Size Parking: A Better Way to Think About the Future		Sunday 1/12/2014 9:00 AM - 12:00 PM
<b>Puget Sound Regional Council</b>			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Charlton, Billy	Potential Activity-Travel and Land Use Impacts of Driverless Cars	Polzin, Steven E. (USF), Walker, Joan L. (UC Berkeley), Mahmassani, Hani S (Northwestern)	Sunday 1/12/2014 1:30 PM - 4:30 PM
<b>Sound Transit</b>			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Sage, Richard A.	Sound Transit: Seattle Development of an Area Transit System		Monday 1/13/2014 7:30 PM - 9:30 PM
<b>King County Road Service Department</b>			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Kelsey, Kevin	Performance Evaluation of Hot-Mix Asphalt Containing Recycled Asphalt Shingles in Washington State	Wu, Shenghua (WSU), Zhang, Kun (WSU), Wen, Haifang (WSU), DeVol, Joe (WSDOT)	Monday 1/13/2014 10:15 AM - 12:00 PM
<b>Oregon Transportation Research and Education Consortium</b>			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Jordan, Brooke	State of Knowledge and Practice: Opportunities for Intelligent Transportation Systems in the Energy Arena	Makler, Jonathan (OTREC), Bertini, Robert Lawrence (Portland State)	Tuesday 1/14/2013 7:30 PM - 9:30 PM
Makler, Jonathan	State of Knowledge and Practice: Opportunities for Intelligent Transportation Systems in the Energy Arena	Jordan, Brooke (OTREC), Bertini, Robert Lawrence (Portland State)	Tuesday 1/14/2013 7:30 PM - 9:30 PM
<b>Pacific Northwest Waterways Association</b>			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Miera, Kristin	Viewpoint of Industry Stakeholders [on Seaport Shutdowns]		Monday 1/13/2014 3:45 PM - 5:30 PM

# PacTrans Consortium Universities and Pacific Northwest Agency Presentations at the 93<sup>rd</sup> Annual TRB Conference



Portland Bureau of Transportation			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Urowsky, David	Effect of Reducing Maximum Cycle Length on Roadside Air Quality and Travel Times on a Corridor in Portland, Oregon	Kendrick, Christine M. (Portland State), Rotich, Willie Kiplangat (City of Portland), Koonce, Peter J. V. (City of Portland), George, Linda (Portland State)	Tuesday 1/14/2013 10:45 AM - 12:30 PM
Community Planning Association of Southwest Idaho			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Itkonen, Liisa	Environmental Suitability Analysis for Communities in Motion 2040	Miller, Carl (CPASI)	Tuesday 1/14/2013 10:45 AM - 12:30 PM
Miller, Carl	Environmental Suitability Analysis for Communities in Motion 2040	Itkonen, Liisa (CPASI)	Tuesday 1/14/2013 10:45 AM - 12:30 PM
Lakewood, Washington			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Penrose, Dan	South Sound Military and Community Partnership: New Ways of Working Together		Tuesday 1/14/2013 1:30 PM - 3:15 PM
Pacific Northwest National Laboratory			
Name	Title of Paper	Secondary/Other Authors	Date/Time of Presentation
Kim, Son H.	Global Transportation Demand in the New Shared Socioeconomic Pathways	Mishra, Gouri Shankar (UC Davis), Kyle, Page (PNWNL), Teter, Jacob (UC Davis), Morrison, Geoffrey Michael (UC Davis), Yeh, Sonia (UC Davis)	Wednesday 1/15/2014 10:15 AM - 12:00 PM
Kyle, Page	Global Transportation Demand in the New Shared Socioeconomic Pathways	Mishra, Gouri Shankar (UC Davis), Teter, Jacob (UC Davis), Morrison, Geoffrey Michael (UC Davis), Kim, Son H. (PNWNL), Yeh, Sonia (UC Davis)	Wednesday 1/15/2014 10:15 AM - 12:00 PM