

OTREC

Year 4 Projects 2009-2010

As governed by our Strategic Plan, and after rigorous peer review of 49 submitted proposals, OTREC has selected the top 29 research, education and technology transfer projects for funding in 2009-2010.

Research

- 2010-299 Evaluation of Safe Routes to School Programs: Qualitative and Quantitative Analysis of Parental Decision-Making; Pls: Weigand, McDonald
- 2010-302: Impacts of Neighborhood Electric Vehicles (NEVs) on transportation infrastructure safety and regulation; Pls: Hunter-Zaworski, Cornell
- 2010-305: Green and Economic Fleet Replacement Modeling; Pls: Kim, Porter, Figliozzi
- 2010-310: Incorporating New Data Needs into Travel and Activity Surveys; Pls: Dill, Weinstein Agrawal
- 2010-318: Extraboard Management ; PI: Strathman
- 2010-326: Wireless Data Collection System for Real-Time Arterial Travel Time Estimation; Pls: Porter, Kim
- 2010-327: Exploratory Methods for Truck Re-identification in a Statewide Network Based on Axle Weight and Axle Spacing Data to Enhance Freight Metrics: Phase 2; Pls: Monsere, Cetin, Nichols
- 2010-335: Fusion and Integration of Arterial Performance Data; Pls: Tufte, Koonce
- 2010-339: Durability Assessment of Recycled Concrete Aggregates for use in New Concrete; Pls: Ideker, Tanner
- 2010-340: Regional transportation and land use decision making: a multistate analysis; Pls: Margerum, Brody, Parker, Moore, McEwan
- 2010-345: Development of a Model to Predict and Mitigate Environmental and Public Health Impacts of Traffic Flows and Traffic Management Policies in Urban Transportation Microenvironments; Pls: George, Figliozzi, Monsere
- 2010-361: Tools for Gusset Plate Evaluation; Pls: Higgins, Scott, Dusicka
- 2010-370: A study of headway maintenance for bus routes: causes and effects of "bus bunching" in extensive and congested service areas; Pls: Figliozzi, Lafferriere, Feng
- 2010-373: Green Schools in Gray Zones: Assessing Alternative Transportation & Land Use Credits of LEED™ and non LEED™ Rated K-12 Schools on Student Health & Academic Performance in Oregon; Pls: Elzeyadi, Schlossberg, Michael
- 2010-383: Climate Change Impact Assessment for Surface Transportation in the Pacific Northwest and Alaska; Pls: MacArthur, Mote, Ideker, Figliozzi, Lee

Education

- 2010-298: Development, Deployment, and Assessment of a New Educational Paradigm for Transportation Professionals and University Students; PI: Haire
- 2010-313: Electric Vehicle Charging Infrastructure Community Needs Assessment; Pls: Parker, Brode
- 2010-317: designBridge: Integrating Transportation into Service Learning Design/Build Projects; PI: Larco, Brode
- 2010-357: Sustainable Cities Lecture Series 2009-2010 ; PI: Gillem

Technology Transfer

2010-320: Transportation Planning Through Mobile Mapping Technology ; PIs: Schlossberg, Kato, Larco

2010-323: Overlooked Density: Re-Thinking Transportation Options in Suburbia, Phase 3; PI: Larco

2010-333: Expanding Development of the Oregon Traffic Safety Data Archive: Phase 3; PI: Monsere

2010-347: A comprehensive roadmap for the development of low/no emission vehicle infrastructure in the Portland Metro region ; PI: MacArthur, Murchie, Beard

OTREC received a total of 48 proposals with a request of \$3.9 million for consideration for the 2009-2010 funding year. There were 54 different investigators; 28 proposals with multiple principal investigators; and 14 were multi-campus. The diversity of the proposals submitted displays impressive breadth of discipline and demonstrates great collaboration between universities and with external agencies. As governed by the OTREC Strategic Plan, all proposals underwent a rigorous peer review process before a funding recommendation was made. Each proposal was reviewed by at least three expert reviewers, including one federal reviewer.

On June 15, 2009, the OTREC Executive Committee selected the top 20 research, education and technology transfer projects. We encourage those with proposals that were not selected but fit well with the OTREC theme of Advanced Technology, Integration of Land Use and Transportation, and Healthy Communities to strengthen the approach and consider resubmitting for the 2010-2011 funding year.

	Awarded	Submitted
Total Proposals	22	48
Research	12	36
Education	4	5
Tech Transfer	5	7
Proposers	39	62
Multi-campus	8	14
Multi-PI	14	28

About OTREC

OTREC is a National University Transportation Center created by Congress in 2005. A partnership between Portland State University, the University of Oregon, Oregon State University, and the Oregon Institute of Technology, OTREC is dedicated to stimulating and conducting collaborative multi-disciplinary **research** on multi-modal surface transportation issues; **educating** a diverse array of current practitioners and future leaders in the transportation field; and encouraging **implementation** of relevant research results. Through collaboration and partnerships with transportation agencies, industry, and other universities in the Northwest, OTREC's theme focuses on advanced technologies; integration of land use and transportation; and healthy communities.

Contact Us

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