

OTREC Update Board of Advisors Meeting

Hau Hagedorn
March 5, 2009



OTREC Key Personnel

Hau Hagedorn
Research Program
Manager



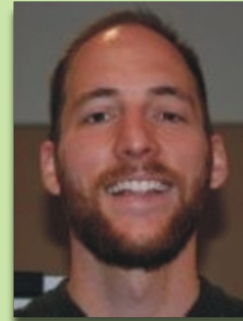
Carol Wallace
Fiscal Operations
Coordinator



Melissa Leventhal
Office Coordinator



Jon Makler, AICP
Education &
Technology
Transfer Program
Manager



John MacArthur
Sustainable
Transportation
Program Manager



Robert L. Bertini,
Ph.D., P.E., OTREC
Director



Marc Schlossberg,
Ph.D., Associate
Director (UO)



Chris Higgins, Ph.D.,
P.E., Associate Director
(OSU)



Roger Lindgren, Ph.D.,
P.Eng., Associate Director
(OIT)



Program Highlights

- 01.08 OTREC issues third Request for Proposal (2008-2009)
- 01.08 Region X Consortium signs historic memorandum of understanding for partnership
- 01.08 OTREC Sponsors "Building Future Transportation Leadership Workshop"
- 02.08 OTREC offers free podcasts of visiting scholar lectures
- 05.08 RITA Administrator Brubaker Visits OTREC
- 05.08 OTREC researcher Dill gives briefing at Congressional Bike Caucus
- 06.08 OTREC Director Bertini testifies on sustainable energy-efficient transportation infrastructure before US House of Representatives
- 06.08 Executive Committee finalizes 2008-2009 project selection
- 09.08 OTREC partner institution meeting at UO & OSU
- 12.08 OTREC receives Miller Grant to fund Sustainable Transportation Program Manager
- 01.09 OTREC welcomes new Education & Technology Transfer Manager and Sustainable Transportation Program Manager
- 01.09 OTREC issues fourth Request for Proposal (2009-2010)
- 03.09 OTREC convenes Board of Advisors

OTREC by the Numbers

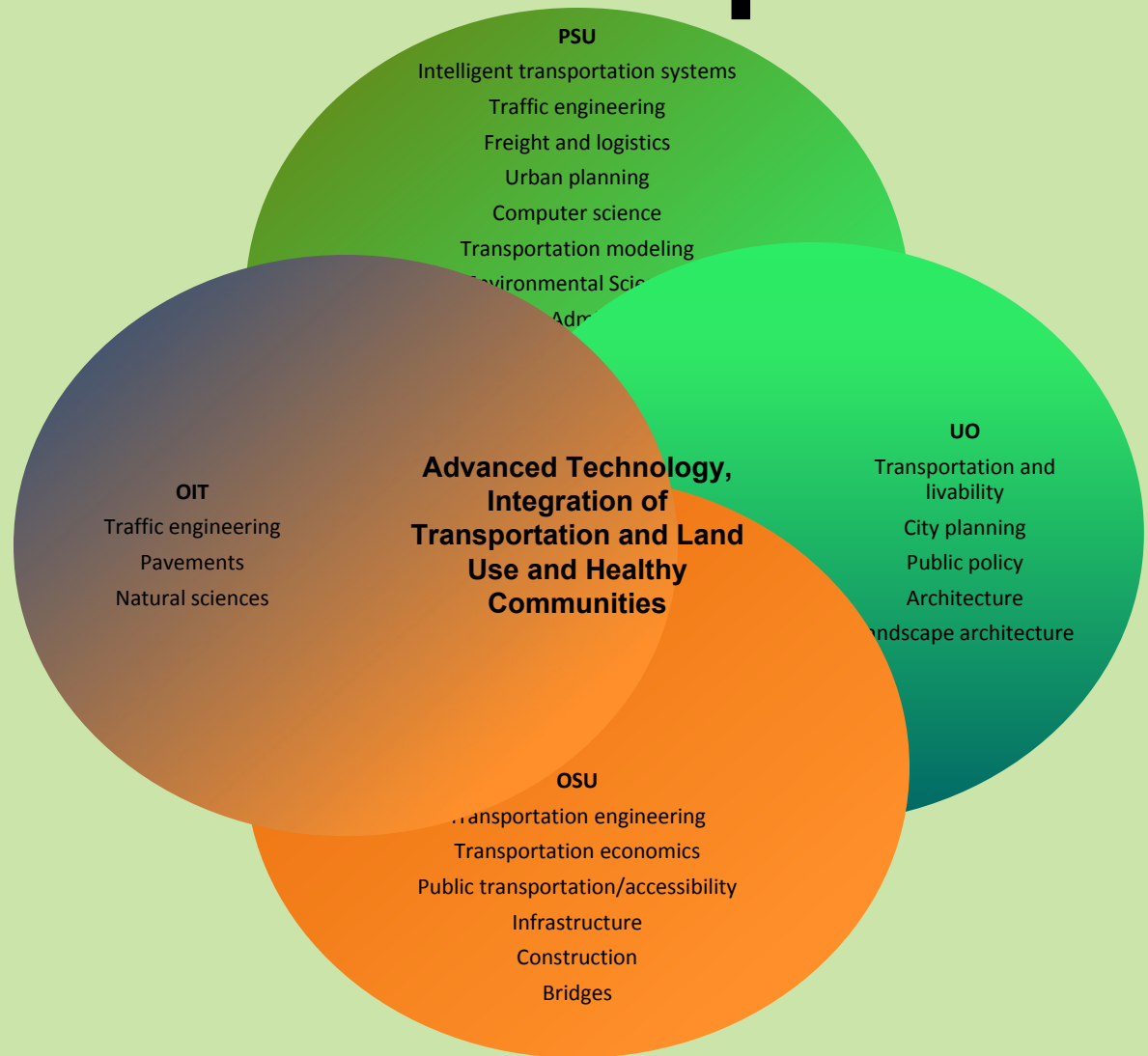
A progress-to-date overview of Oregon Transportation Research and Education Consortium accomplishments:

- Number of proposals received: 190
- Number of research projects funded: 65
 - Number of multi-campus projects: 17
 - Number of multi-PI projects: 48
- Number of research projects partnered with ODOT: 30
- Number of dollars awarded to research: \$4,100,447
 - Number of faculty partners: 61
- Number of external sponsors participating in OTREC: 30
 - Number of disciplines participating in OTREC: 15
 - Number of peer reviewers invited: 965
 - Number of peer reviews received: 563
 - Number of labs and research groups: 12
 - Number of education projects funded: 12
- Number of dollars awarded to education projects: \$335,585
- Number of graduate students involved in projects (estimate): 64
- Number of undergraduate students involved in projects (estimate): 31
 - Number of technology transfer projects funded: 9
- Number of dollars awarded to technology transfer projects: \$367,902
- Number of scholarships awarded to transportation students: 42

Intersection of Disciplines

Carl Abbott • Soyoung Ahn • Robert Bertini
 • John Bloomfield • Julie Brode • Darrell
 Brown • Mecit Cetin • Heejun Chang •
 Keavy Cook • Daniel Cox • Catherine de
 Rivera • Jennifer Dill • Karen Dixon • Peter
 Dusicka • Miguel Figliozi • Carla Gary •
 Mark Gillem • John Gliebe • Jessica
 Greene • Kathleen Harder • Christopher
 Higgins • Deborah Howe • David Jay •
 Bethany Johnson • Martin Lafrenz • Nico
 Larco • Robert Layton • David Levinson •
 Roger Lindgren • Sam Lowry • Tim Maddux
 • David Maier • Noreen McDonald • B.
 Starr McMullen • Scott Marshall • Cynthia
 Mohr • Christopher Monsere • Hamid
 Moradkhani • Andrew Nichols • Jiayi Pan
 • Robert Parker • Lawrence Powers •
 Madeleine Pullman • Daniel Rodriguez •
 Tony Rufolo • Marc Schlossberg • John
 Jeffrey Schnabel • Todd Scholz • Michael
 Scott • David Sillars • Megan Smith •
 Trevor Smith • James Strathman • Mark
 Sytsma • Kristin Tufte • Ida van Schalkwyk
 • Wayne Wakeland • Lynn Weigand •
 Yizhao Yang • Solomon Yim

61 Faculty Investigators



OTREC Partners

30 External Partners

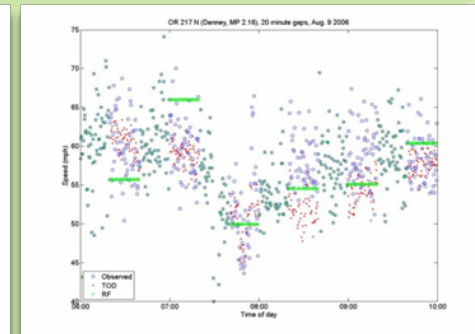
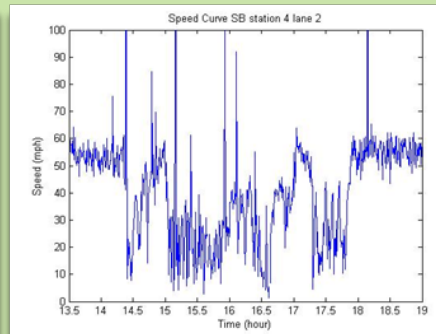
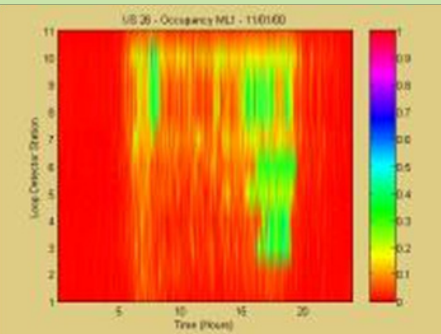
Alta Planning + Design • American Society of Landscape Architects • American Institute of Architects Southwestern Oregon Chapter • Center for Health Care Strategies, Inc. • City of Eugene • City of Lebanon • City of Portland • City of Springfield • City of Warrenton • City of Wilsonville • Clackamas County • Community Cycling Center • Consejo Nacional de Ciencia y Tecnologia (CONACYT) • Conway Trucking • Eugene School District, 4J • Institute of Transportation Engineers (ITE), District 6 • Johnson Creek Watershed Council • Juan Young Trust • Lane County Transit District • Metro • Miller Grant Foundation • National Center for Bicycling & Walking • National Multi Housing Council • Oregon Department of Transportation, Bridge Engineering Section • Oregon Department of Transportation, Pedestrian and Bicycle Program • Oregon Department of Transportation, Region 1 • Oregon Department of Transportation, Research Unit • Port of Portland • Robert Wood Johnson Foundation, Active Living Research Program • Rogue Valley Transportation District • TriMet • Tualatin Riverkeepers • US Department of Transportation, Western Federal Lands Highway Division

28 Institutional Partners

Arizona State University, Office for Research and Sponsored Projects Administration • OSU School of Civil and Construction Engineering • OSU College of Engineering • OSU Hinsdale Wave Research Laboratory • OSU Kiewit Center for Infrastructure and Transportation • OSU Research Office • OSU Foundation, Joyce and Bill Furman Fellowship for Research in Transportation Economics • PSU Department of Architecture • PSU Department of Civil and Environmental Engineering • PSU Department of Computer Science • PSU Department of Environmental Sciences and Resources • PSU Department of Geography • PSU Department of Psychology • PSU Nohad A. Toulan School of Urban Studies and Planning, College of Urban and Public Affairs • PSU Office of Research and Sponsored Projects • PSU Office of Sustainability • PSU School of Business Administration • PSU School of Extended Studies • OIT Department of Civil Engineering • OIT Environmental Sciences • Temple University • UO Community Service Center • UO Department of Planning, Public Policy and Management • UO Research Services and Administration • UO School of Architecture and Applied Arts, Department of Architecture • University of Minnesota • University of North Carolina • University of South Carolina

OTREC Research

- Supports faculty-driven research
- Opportunity for theoretical, basic, and advanced research
- Cross-campus and cross-UTC collaboration
- Encourage involvement of agency, industry, and foundation partners



Faculty Guest Presenters



Miguel Figliozzi, Ph.D.

Research areas: freight transportation, logistics, supply chain management, freight planning, fleet management, pricing and cost allocation problems, travel time reliability, supply chain disruptions, and the environmental impacts/sustainability of freight transportation and supply chains.

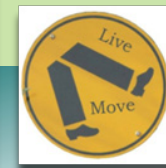


Kristin Tufte, Ph.D.

Research areas: database systems, data stream management systems, travel time estimation and data quality (Intelligent Transportation Systems)

Educating Our Future Leaders

- Student groups: STEP, LiveMove, OSU ITE Student Chapter, OIT ITE Student Chapter
- Scholarships & fellowships
- Recognize outstanding OTREC & campus students of the year
- Involving students on research projects is priority
- Example achievements:
 - Eno Fellow: 2007 Max Coffman (PSU), 2009 Sara Schooley (UO)
 - Eisenhower Fellowship: 2008 Sirisha Kothuri (PSU-PhD), 2008 Lisa Dierckson (PSU-MS)
 - Paper Awards: 2008 Zachary Horowitz (PSU) Neville A. Parker Award
 - 2009 AICP Student Project Award for Contribution of Planning to a Contemporary Issue – City of Eugene Bicycle & Pedestrian Plan (UO)



Recognizing the Past

- Funded diverse and broad portfolio of projects
- Focus on inclusion
- Less emphasis on cash match to establish consortium
- Recognize OTREC as seed funding
- Emerging from survival mode



Diversify Funding

- Miller grant
 - Fund sustainable transportation program manager
 - Additional resource to consortium for coordination & collaboration
- Region X proposal submission
 - Multidisciplinary & multi-state team
 - Oregon Climate Change Research Institute at OSU, OSU Civil & Construction Engineering, PSU Civil & Environmental Engineering, University of Alaska-Fairbanks Civil & Environmental Engineering, OTREC
- PORTAL data archive sustainability funding



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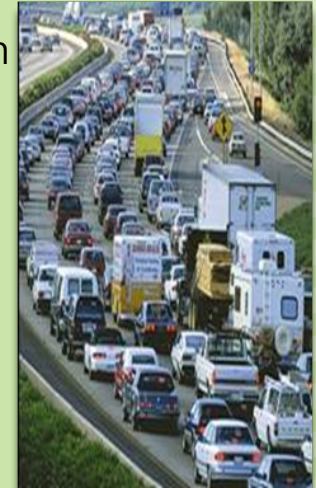
UNIVERSITY
OF OREGON

Sustainable Cities Initiative

sci.uoregon.edu

- Transportation at UO
 - No traditional transportation planning or engineering program
 - Transportation system is key for many larger issues
- Involved Disciplines:
 - City Planning, Architecture, Landscape Architecture, Public Policy
 - Applied Research, Service Learning, Technology Transfer
- Focus:
 - Re-design cities and communities for people
 - Global climate change
 - Automobile & oil dependency and associated costs
 - Obesity epidemic and healthy communities

OTREC was the catalyst for this integration and helped create the foundation for future work and opportunities.



Looking Forward

- Building depth of research in core thematic areas
- Strategic investments
- Business plan
- Looking at successful models for sustaining consortium beyond RITA

