DECEMBER 2022 NEWSLETTER

HIGHLIGHTS

PacTrans Region 10 Transportation Conference Returns to In-Person

After two years of virtual conferences, the PacTrans Region 10 Transportation Conference returned to in-person this past October. Co-organized by PacTrans, the Center for Safety Equity in Transportation, and the UW Mobility Innovation Center, this one-day event took place on the University of Washington, Seattle campus. With over two hundred in attendance from public agencies, private industry, and academia, the conference focuses on three goals: (1) listen to agencies and industry leaders about their views on critical regional research needs, (2) present UTC funded research to practitioners who may have need of project outputs, and (3) foster partnerships for future collaboration.

READ THE FULL STORY HERE

PacTrans 2021 Student Conference Recap

In October of this year, the Pacific Northwest Transportation Consortium hosted its annual Region 10 Student Conference, which attracted more than 40 participants to join in-person at University of Washington's Seattle campus. For the first time in three years, students from universities across the region were able to meet their peers in person at this great event. This year's program featured multiple industry talks and sought to encourage out-of-the-box thinking.

[READ THE FULL STORY HERE](#)

PacTrans Co-Hosts NaTMEC 2022 with ITD

PacTrans had the pleasure of partnering with the Idaho Transportation Department (ITD) to co-host the 2022 National Travel Monitoring Exposition and Conference (NaTMEC) this past summer. The conference provides a wonderful opportunity to meet with federal, state, local transportation professionals as well as industry leaders who have common interest in travel monitoring.

READ THE FULL STORY HERE

UAF Steel Bridge Team Places 2nd at Nationals

Over the years, PacTrans has been a strong supporter of our consortium partner universities' student competition teams. This past year, a team from the University of Alaska Fairbanks took second place in the 2022 Student Steel Bridge Competition finals, the best showing for UAF in more than a quarter century.

[READ THE FULL STORY HERE](#)

PacTrans Annual Awards

Lifetime Achievement Award

This is the highest and most prestigious award given by PacTrans. It is presented in recognition of individuals who have had distinguished careers in transportation in the Pacific Northwest with substantial involvement in the UTC program. This year's award goes to Michael Kyte, Professor Emeritus of Civil and Environmental Engineering at the University of Idaho.

Outstanding Researcher Award

This award is presented to investigators for outstanding research with significant outcomes, incorporating meaningful student contributions, and robust community service/leadership involvement. This year's award goes to Jon Froehlich, Associate Professor of Computer Science and Electrical Engineering at the University of Washington.

Outstanding Educator Award

This award is presented to PacTrans faculty in recognition of sustained outstanding teaching including mentoring, advising, and innovative teaching techniques. This year's award goes to Rhonda Young, Chair and a Professor in the Department Civil Engineering at Gonzaga University.

Outstanding Partner Award

This award is presented to partners for outstanding collaboration in research, sponsorships, mentor/internship opportunities, event participation/facilitation, or assistance with technology transfer initiatives. This year's award goes to the Oregon Department of Transportation.

Excellence in Technology Transfer Award

This award is presented to investigators for effective partnerships and collaboration with outside industry, innovative marketing of newly developed techniques and technologies, or successful implementation of research results. This year's award goes to Wei Sun, co-founder and CEO of AIWaysion.

PacTrans Participates in Tribal College/UTC Summit

Last month, PacTrans Assistant Director, Cole Kopca, traveled to Albuquerque, New Mexico to attend the Tribal Colleges & Universities (TCU) and University Transportation Centers (UTC) Summit. This event was held as a pre-conference workshop as part of the First Americans Land-Grant Consortium (FALCON) conference. The summit attracted over 80 representatives from various tribal colleges and universities and Native student-serving programs are registered to attend the UTC event.

READ THE FULL STORY HERE

UPCOMING EVENTS

PacTrans Presents

REGION 10 RECEPTION

**Tuesday, Jan 10
6:00PM**

Baby Wale
1124 9th St NW, Washington, DC

RECENTLY COMPLETED RESEARCH

PacTrans researchers from our consortium member institutions have recently completed the following projects in the four mobility sub topics of: accessibility, reliability, efficiency, and safety. To learn more about each specific project, please click on the title to access the research profile page on our PacTrans

Website.

Project Title: Pilot Study: Learning Fluid-Structure Interaction via Machine Learning

PI(s): Barbara Simpson (OSU)

Project Number: 2019-S-OSU-2

Project Title: Privacy Risk Evaluation of Human Mobility Data for Urban Transportation Planning

PI(s): Jan Whittington (UW)

Project Number: 2020-S-UW-3

Project Title: Supplementing fixed-route transit with dynamic shared mobility services: a marginal cost comparison approach

PI(s): Qing Shen (UW)

Project Number: 2021-S-UW-2

Project Title: Predicting Wildfire Impacts on Mobility using GIS and Fire Simulation

PI(s): Joseph Louis(OSU)

Project Number: 2021-S-OSU-2

Project Title: Enabling New Data Science for Urban Accessibility for All

PI(s): Jon Froehlich (UW)

Project Number: 2021-S-UW-3

The Pacific Northwest Transportation Consortium (PacTrans) is the Region 10 University Transportation Center (UTC) established in January 2012 with funding from the US Department of Transportation (USDOT).

PacTrans is a combined effort of transportation professionals and educators from the University of Washington (UW), Oregon State University (OSU), the University of Alaska Fairbanks (UAF), the University of Idaho (UI), Washington State University (WSU), Boise State University (BSU), and Gonzaga University (GU). With two active centers focusing on both Safety and Mobility, PacTrans serves as an engine and showcase for research, education, and workforce development in the Pacific Northwest.

The goal of PacTrans is to create an environment where consortium universities and transportation agencies within Region 10 work together synergistically. The PacTrans program focuses on the USDOT-identified priority of Improving the Mobility of People and Goods. This priority includes the following nonexclusive topic areas:

- Increase access to opportunities that promote equity in connecting regions and communities, including urban and rural communities;
- Smart cities;
- Innovations to improve multimodal connections, system integration, and security;
- Assistive technologies for those with physical or cognitive disabilities;
- Data modeling and analytical tools to optimize passenger and freight movements;
- Innovations in multi-modal planning and modeling for high growth regions;
- Novel (non-traditional or alternative) modes of transport and shared use of infrastructure; and
- Regional planning and setting of transportation priorities.

The Pacific Northwest offers a unique blend of opportunities to examine a variety of transportation issues, including those related to urban centers, rural communities, diverse geographic features (e.g., coastal plains, mountain ranges), and a growing population of pedestrians and bicyclists. This diversity makes the Pacific Northwest a natural laboratory in which to investigate transportation solutions that are applicable both locally and nationally.

PacTrans is dedicated to collaborating with transportation agencies, companies, and research institutions to jointly develop safe and sustain-able solutions for the diverse transportation needs of the Pacific Northwest.