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## OCTOBER 2020 HIGHLIGHTS

### Smart lockers save Belltown from dwelling and delivery emissions

Belltown residents will have an easier time receiving their packages with the launch of a [smart locker system](#) by the University of Washington's Urban Freight Lab (UFL) in Seattle's Belltown neighborhood last August.



[READ THE FULL STORY HERE](#)

### High Schoolers get Hands-on and Virtual Transportation Engineering Experience at OSU's Summer Transportation Institute

A handful of Oregon state high school students were given the opportunity to gain a better understanding of transportation engineering through OSU's Summer Transportation Institute, a program that the university (with support from PacTrans), partnered with FHWA, put together and held late last August.



[READ THE FULL STORY HERE](#)

## **PacTrans Webinar on City of Bellevue Partnership Toward Vision Zero**

In early September, PacTrans hosted a webinar that showcased one such example partnership and the benefits. UW professor Yinhai Wang, director of PacTrans and STAR Lab; Franz Loewenherz, Principal Transportation Planner for the City of Bellevue; and Noah Budnick, Senior Director of Programs and Operations at Together for Safer Roads shared their collaborative efforts in applying cutting edge technologies for smarter mobility and safer roads, describing applications of artificial intelligence and computer vision technologies for urban traffic data collection and network-wide conflict analysis using existing surveillance video cameras to support vision zero in the City of Bellevue.

[WATCH](#)

## **Development of UAF Traffic, a Traffic Counting App**

Counting traffic at intersections is a valuable tool for communities to enable data-driven improvements, yet commercial offerings of counting hardware or software do not address the rich variety of vehicles often seen in rural Alaska. Enter: UAF Traffic, an app easily installed on an Apple iPad to enable anyone to collect traffic data. This project combines gamification and

hardware design principles with audio and visual feedback to aid a user in recording data.



[READ THE FULL STORY HERE](#)

## University of Washington Graduate Student Selected for Eno Conference

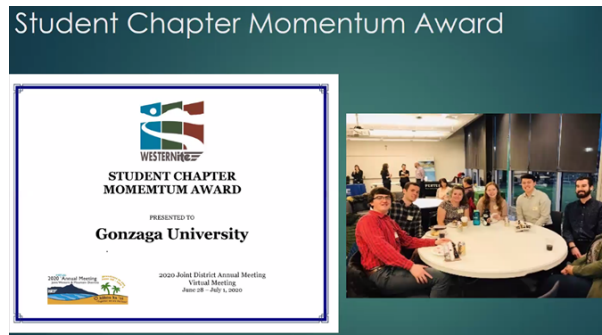
It was announced earlier this summer that UW Ph.D. candidate, Katherine Idziorek, is this year's recipient of the Thomas J. O'Bryant Policy and Finance Fellowship. This opportunity will allow Idziorek the chance to immerse herself in transportation policy making, be involved in the development of Eno research, and participate in Eno's Future Leaders Development Conference next year.



[READ THE FULL STORY HERE](#)

## Gonzaga ITE Student Chapter received the "Momentum Award" by the ITE Western District

This year's Western ITE's Student Chapter Momentum Award goes to Gonzaga University. First established this year, the award commemorates students for the great amount of momentum or improvement they have shown over the course of the year.



[READ THE FULL STORY HERE](#)

## 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.



Sameh Sorour (UI), "[Decentralized Autonomous Electric Mobility-on-Demand Services for Individuals with Physical and Cognitive Disabilities](#)" | 2017-S-UI-3

Ali Hajbabaie (WSU), "[Dynamic Metering in Connected Urban Street Networks: Improving Mobility](#)." | 2017-S-WSU-2

Salvador Hernandez (OSU), "[Understanding Freight Behavior in the Pacific Northwest: An Evaluation and Application of EROAD Data to Freight Demand and Forecast Modeling](#)" | 2017-S-OSU-3

Ahmed Abdel-Rahim (UI), "[Field Evaluation of V2I Connected Vehicle Deployment in Ada County, Idaho - Validating Communication Architecture and Control Technology Readiness](#)" | 2017-S-UI-1

Yinhai Wang (UW), "[A Connected Vehicle-Based Adaptive Vehicle Routing Algorithm](#)" | 2018-S-UW-1

## UPCOMING EVENTS



# REGION 10 TRANSPORTATION CONFERENCE 2020

**Matt Stoll**  
Executive Director  
COMPASS  
Keynote Presentation

**Kelli Badesheim**  
Executive Director  
Valley Regional Transit  
Opening Session

**Susan McLaughlin**  
Urban Design Manager  
Seattle Department of  
Transportation  
Opening Session

**Anne Vernez Moudon**  
Professor Emeritus  
University of  
Washington  
Opening Session

## MOBILITY FOR A RAPIDLY CHANGING SOCIETY

The annual Region 10 Transportation Conference brings together industry, agency, and academic partners from the Pacific Northwest to discuss emerging research needs, showcase innovations in research and technology, provide a means for collaboration, and advance the transportation workforce. The 2020 virtual conference will be held online through a series of webinars. The opening session will feature a keynote address from Matt Stoll, Executive Director at COMPASS, and a panel discussion on the impacts of COVID-19.

OPENING SESSION  
OCT 16, 2020 | 10AM - 12:30PM  
DAILY WEBINARS  
OCT 19 - 22, 2020 - 11AM - 12:15PM

FREE REGISTRATION AND FOR MORE  
INFORMATION ABOUT CONFERENCE  
ACTIVITIES, VISIT:  
[WWW.PACTRANSCONFERENCE.COM](http://WWW.PACTRANSCONFERENCE.COM)

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.



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