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PacTrans University Transportation Center of Federal Region 10



FEBRUARY 2022 NEWSLETTER

HIGHLIGHTS

PacTrans 2021 Student Conference Recap

  	
2021 PacTrans Student Conference Agenda	
<u>Day 1 - Monday, November 8th</u>	
9:00 am	Opening Ceremony
9:15 am	Damian Casados Coral Sales Co.
9:45 am	Jake Wagner Washington State University
10:20 am	Riannon Zender J.U.B Engineering
10:50 am	Tim Graciano Convoy Inc.
11:20 am	Closing Remarks
<u>Day 2 - Tuesday, November 9th</u>	
9:00 am	Opening Introduction
9:15 am	Cadell Chand Fehr & Peers
9:45 am	Avipsa Roy University of California Irvine
10:15 am	Poster Competition
11:15 am	Award Ceremony Closing Remarks

The Pacific Northwest Transportation Consortium 2021 Student Conference took place on November 8 and 9, 2021. Even though the event occurred virtually over Zoom, it still provided students with a great opportunity to become more involved in the transportation world. Through the combined efforts from this year's sponsors, the PacTrans Consortium, and the wonderful

guests who devoted their time – student attendees were able to hear directly from professionals in the field and ask questions about the wide variety of topics that were presented.

[READ THE FULL STORY HERE](#)

UW STAR Lab Team Places Second in Transportation Forecasting Competition (TRANSFOR 22)



The Smart Transportation Applications and Research Lab at the University of Washington recently stood second in the Transportation Forecasting Competition (TRANSFOR 22) for their presentation on Identifying and predicting Crossing Speed of High-Risk Pedestrians with Early Stage LiDAR Features.

[READ THE FULL STORY HERE](#)

PacTrans Director weighs in on the Impact of Traffic Cameras in Washington



PacTrans Director, Yin Hai Wang was recently interviewed by Crosscut, a nonprofit news website for their article titled “*Are WA traffic cameras reducing dangerous driving or making it worse?*” As the chair of the Transportation Research Board’s Standing Technical Committee on Artificial Intelligence and Advanced Computing Applications, professor Wang exchanged his views on the same.

[READ THE FULL STORY HERE](#)

PacTrans Student Researcher and Assistant Director Cole Kopca wins T&DI 2021 Outstanding Younger Member Award



University of Washington Graduate Research Assistant and PacTrans Assistant Director, Cole Kopca was recently awarded the 2021 Outstanding Younger Member Award by The Transportation and Development Institute (T&DI) of ASCE. The award was established to recognize the professional contributions of younger members of the Institute.

[READ THE FULL STORY HERE](#)

PacTrans Student Researcher Ruimin Ke receives The COTA Best Dissertation Award



PacTrans student researcher from UW and former Michael Kyte Region 10 Outstanding Student of the Year Awardee, Ruimin Ke, recently received the Chinese Overseas Transportation Association (COTA) Best Dissertation Award for his Ph.D. dissertation titled “Real-time Video Analytics Empowered by Machine Learning and Edge Computing for Smart Transportation Applications.”

[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.



Project Title: [Virtual Reality Vehicle Simulator Phase 1](#)

PI(s): Orion Lawlor (UAF)

Project Number: 2019-S-UAF-1



Project Title: [How to Sustain Work from Home? Employers' and Employees' Perspectives](#)

PI(s): Anne Vernez Moudon (UW)

Project Number: 2020-COV-UW-1

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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