

[View this email in your browser](#)



JULY 2022 NEWSLETTER

HIGHLIGHTS

PacTrans has Large Presence at ASCE ICTD 2022 Conference



In early June, the American Society of Civil Engineers (ASCE) held their International Conference on Transportation and Development (ICTD) in collaboration with the WSDOT's Innovation & Partnerships in Transportation Conference. The conference had over 1,000 registrants and offered a unique opportunity for public agencies, private industry, and research institutes to share their vision, exchange experience, collaborate on research, and showcase practical solutions on smart and integrated mobility solutions.

[READ THE FULL STORY HERE](#)

PacTrans Director Yin Hai Wang-led STAR Lab launches spin-off company- AIWaysion



AIWAYSION

The PacTrans Smart Transportation Applications and Research Laboratory (STAR Lab) at the University of Washington recently launched a spin-off company – AIWaysion. The company provides Smart Mobility Solutions using Artificial Intelligence (AI), computer vision, and edge computing technologies for safer and more efficient transportation.

[READ THE FULL STORY HERE](#)

**PacTrans to offer Intro to Autonomous Cars Teen and Youth
Summer Program**

PACTRANS WORKFORCE DEVELOPMENT INSTITUTE
in partnership with the UW Continuum College's
TEEN & YOUTH SUMMER PROGRAM
are excited to announce

W

**INTRO TO
AUTONOMOUS CARS**

MON-FRI | JUL. 25 - AUG. 5
9:00AM - 12:00PM | GRADES 6 - 8



LEARN NOW!
Get a behind-the-scenes look at how self-driving cars can change our future with respected professionals, and build your own autonomous vehicle using LEGO kits!

For more info

<https://tinyurl.com/UWIntroAV>



PacTrans is partnering with the University of Washington Continuum College's Teen & Youth Summer Program and the FIRST Tech Challenge (FTC) Team 18225 High Definition to offer a new summer course, titled "Introduction to Autonomous Cars." This course is being offered to students of grades six, seven, and eight, and will be offered from July 25 through Aug. 5, 2022. In this course, students will learn important topics related to autonomous vehicles (AVs) and the supporting transportation infrastructure and systems. Students will form teams to build their own AVs using LEGO Education SPIKE Prime Kits.

[READ THE FULL STORY HERE](#)

PacTrans Partner Institution OSU's ITE Student Chapter brings Home Hardware



In early July, Oregon State University's ITE Student Chapter travelled to Palm Springs to the Western District ITE Annual Meeting. During this meeting, OSU Graduate Student, Eileen Chai received the 2022 Outstanding Graduate Student Award, and their chapter received the Student Chapter Annual Meeting Award. To top it off, the OSU chapter won the Western District Traffic Bowl. The team will be traveling to New Orleans this August to the International meeting and to compete in the National Traffic Bowl.

[READ THE FULL STORY HERE](#)

PacTrans Student Spotlight: Antonio Roman Campos



Antonio Roman Campos is an undergraduate engineering researcher at Gonzaga University under Civil Engineering Department Head Dr. Rhonda Young. He is currently working on three major transportation engineering projects, including the development and analysis of new Bicycle Rolling Stop (BRS) legislation in the Pacific Northwest, the characterization of wind behaviors and truck roll-over events in Wyoming, and the development of new Connected Vehicle (CV) technologies along rural Interstate corridors. For these three projects, he partners with team members at Oregon State University, the University of Idaho, the University of Wyoming, and the United States Department of Transportation (USDOT).

Comprehensive Roadway Safety Data Visualization and Evaluation Platform for Yakama Nation



USDOT Safety Data Initiative

Comprehensive Roadway Safety Data Visualization and Evaluation Platform

Hollyanna Littlebull, Yinhai Wang, Wei Sun, Samuel Ricord



April 2022



In Mid-April, PacTrans hosted a webinar featuring work from the UW's STAR Lab with Yakima Nation on a US DOT Safety Data Initiative Project.

[WATCH THE WEBINAR HERE](#)

**UW's Jon Froehlich Interviewed by Here & Now Radio for his
PacTrans Funded Research**

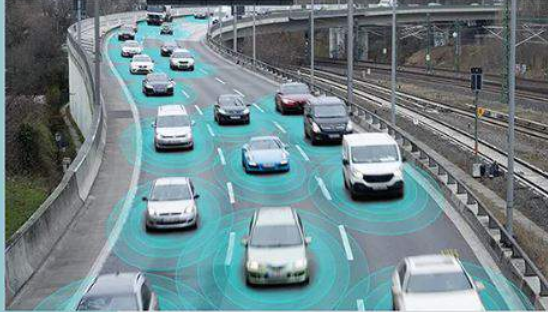


PacTrans PI and University of Washington Associate Professor of Computer Science and Engineering, Jon Froehlich, was recently interviewed by Here & Now Radio for his research on efforts to make sidewalks accessible.

[READ THE FULL STORY HERE](#)

PacTrans Director takes Editorial Leadership for Book on Disruptive Emerging Transportation Technologies

Disruptive Emerging Transportation Technologies



Technical Committee on
Connected and Automated Vehicles Impacts

ASCE

EDITED BY

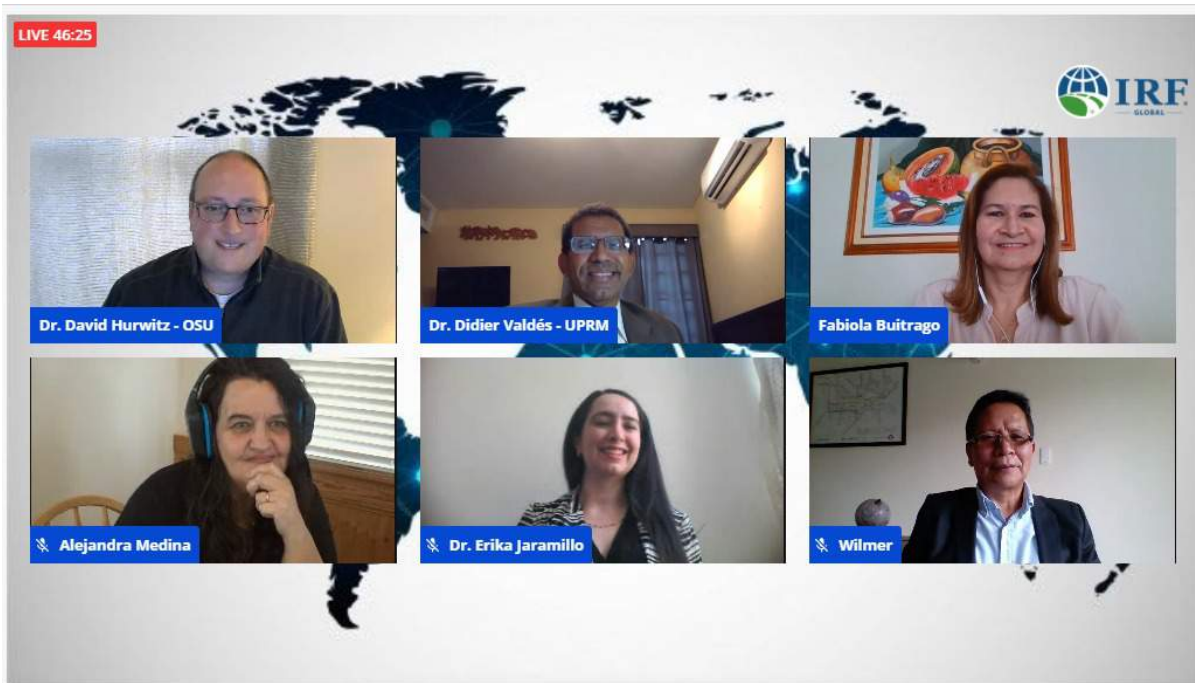
Heng Wei, Ph.D., P.E.
Yinhai Wang, Ph.D., P.E.
Jianming Ma, Ph.D., P.E.



PacTrans Director and Professor of Civil and Environmental Engineering at the University of Washington, Yinhai Wang, co-drove the editorial process of the recently published book on Disruptive Emerging Transportation Technologies. The book is prepared by the Technical Committee on CAV Impacts of the Transportation & Development Institute of ASCE.

[READ THE FULL STORY HERE](#)

PacTrans Associate Director David Hurwitz presents at International Road Federation Vision Zero for Latin America Conference



PacTrans Associate Director and Oregon State University Professor of Civil and Construction Engineering, David Hurwitz, participated as a Guest Speaker at the “Vision Zero” for Latin America Road Safety Conference. The conference was held virtually from May 18-20, 2021 and was jointly sponsored by the International Road Safety Federation and the Puerto Rico LTAP Center.

[READ THE FULL STORY HERE](#)

Two PacTrans Students Receive ITE Washington Student Scholarships



Recently two PacTrans Students were awarded the Institute of Transportation Engineers (ITE) Washington Student Scholarships. The Washington State Section of ITE offers scholarships to students planning on pursuing a career in transportation engineering or planning. ITE is an international educational and scientific association. It is one of the largest and fastest-growing professional transportation organizations in the world. ITE members include engineers, planners, and other transport professionals who are responsible for meeting society's needs for safe and efficient surface transportation.

[READ THE FULL STORY HERE](#)

UPCOMING EVENTS

The poster features a blue background with a white line-art illustration of the Seattle skyline, including the Space Needle and Mount Rainier. At the top left, there are logos for the Institute of Transportation Engineers (ITE) Region 10, SET (Seattle Engineering Team), and the Mobility Innovation Center at the University of Washington. The date '10.14.2022' is displayed in the top right. The main text reads 'SAVE THE DATE' in large white letters, followed by 'REGION 10 TRANSPORTATION CONFERENCE' and 'Seattle, WA | University of Washington Campus | More information to follow'. At the bottom, a row of logos represents the participating institutions: Boise State University, Eastern Washington University, Oregon State University, University of Washington, Washington State University, University of Alaska, and Gonzaga University.

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: [Managing Increasing Demand for Curb Space in the City of the Future](#)

PI(s): Kevin Chang (UI), Anne Goodchild (UW), Ed McCormack (UW)

Project Number: 2019-M-UI-1



Project Title: [Micro-Mobility Promises and Challenges in the Pacific Northwest](#)

PI(s): Haizhong Wang (OSU), David Hurwitz (OSU), Nathan Belz (UAF)

Project Number: 2019-M-OSU-3



Project Title: [UAS Image-Based Point Clouds to 3D BrIM: Deep Semantic Segmentation](#)

PI(s): Yelda Turkan (OSU)

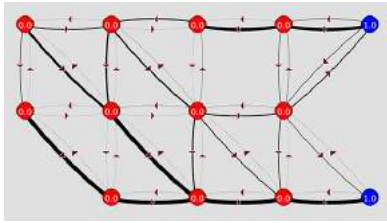
Project Number: 2019-S-OSU-1



Project Title: [A Hybrid Platform for Context-aware V2X Communications](#)

PI(s): Mohamed Hefeida (UI)

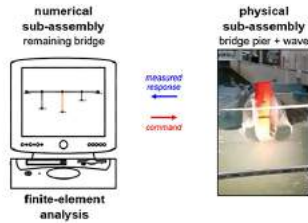
Project Number: 2019-S-UI-2



Project Title: [Connected-Vehicle Traffic Signal System Modeling Platform](#)

PI(s): Robert Heckendorn (UI)

Project Number: 2019-S-UI-3



Project Title: [Real-time Hybrid Experimental-numerical Simulation of Bridge Infrastructure Subject to Cascading Earthquake-tsunami Hazards](#)

PI(s): Barbara Simpson (OSU)

Project Number: 2020-S-OSU-2



Project Title: [Cost Comparison of Washington Safety Rest Area Operations with Other States](#)

PI(s): Kishor Shrestha (WSU)

Project Number: 2020-S-WSU-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.



Copyright © 2022 Pacific Northwest Transportation Consortium (PacTrans) - USDOT UTC, All rights reserved.

Want to change how you receive these emails?
You can [update your preferences](#) or [unsubscribe from this list](#).

