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PacTrans University Transportation Center of Federal Region 10



NOVEMBER 2021 NEWSLETTER

HIGHLIGHTS

2021 Region 10 Transportation Conference Recap

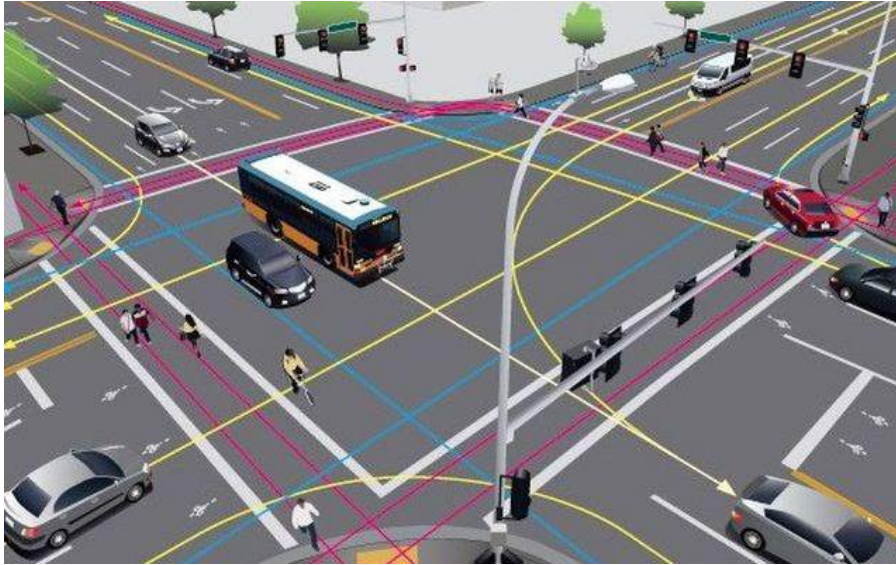


Several weeks ago, PacTrans concluded the 2021 Region 10 Transportation Conference co-hosted by the Center for Safety Equity in Transportation Tier 1 UTC. This year the event was held virtually, with an opening event on Friday, October 15 and carrying into the following week.

During that following week, the conference hosted Webinar Week with one webinar each day on various topics surrounding the conference theme, *Envisioning Post-Pandemic Transportation Safety and Mobility*.

[READ THE FULL STORY HERE](#)

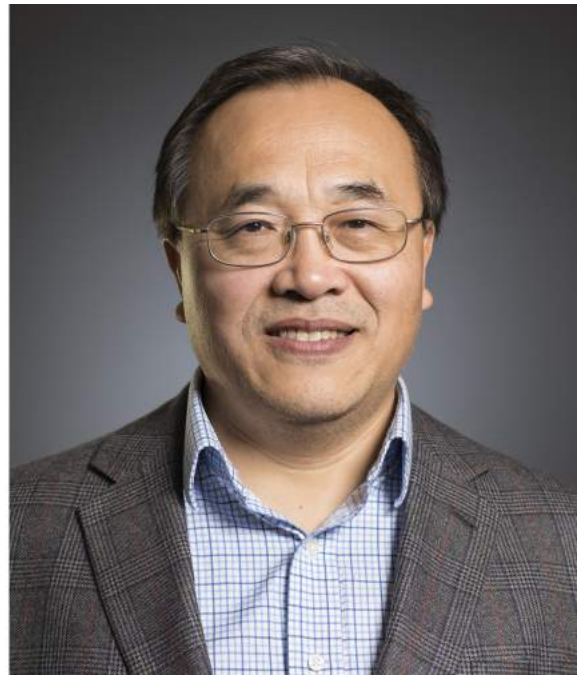
City of Bellevue wins 2021 National Roadway Safety Award for its Video Analytics Traffic Safety Program



Recently, the City of Bellevue, WA was honored with a 2021 National Roadway Safety Award for the success of its video analytics program. The National Roadway Safety Awards are sponsored jointly by the Federal Highway Administration and the Roadway Safety Foundation. First presented in 1999, the biennial program recognizes safety achievements that move the nation toward zero deaths and serious injuries on U.S. roadways.

[READ THE FULL STORY HERE](#)

Two PacTrans Pls receive 2021 College of Engineering Outstanding Faculty Awards



PacTrans PIs Professor Yin Hai Wang and Jon Froehlich recently received the 2021 College of Engineering Outstanding Faculty Awards. The College of Engineering Awards acknowledge the extraordinary efforts of the college's teaching and research assistants, staff and faculty members.

[READ THE FULL STORY HERE](#)

PacTrans PI Xianming Shi named Interim Chair of WSU Civil and Environmental Engineering



PacTrans PI Professor Xianming Shi was recently named as an Interim Chair of the Department of Civil and Environmental Engineering at Washington State University. Professor Shi is known around the world for his research in the area of infrastructure durability and sustainability. He directs the National Center for Transportation Infrastructure Durability & Life-Extension, a U.S. Department of Transportation national university transportation center focused on infrastructure durability that includes researchers from 11 universities around the U.S. He also serves as the Editor-in-Chief for the Journal of Infrastructure Preservation & Resilience.

[READ THE FULL STORY HERE](#)

WHERE ARE THEY NOW: A Look Back at Past Michael Kyte Award Winners

2009 Yegor Malinovskiy



Yegor Malinovskiy received the Michael Kyte Region 10 Outstanding Student of the Year Award in 2009. Currently located in Kirkland, WA, Yegor serves as the CTO at IDAX Data Solutions.

[READ THE FULL STORY HERE](#)

WHERE ARE THEY NOW:

A Look Back at Past Michael Kyte Award Winners

2010 Yao-Jan Wu



Yao-Jan Wu received the Michael Kyte Region 10 Outstanding Student of the Year Award in 2010.

Currently located in Tucson, Arizona, Yao-Jan serves as an Associate Professor at the University of Arizona.

[READ THE FULL STORY HERE](#)

WHERE ARE THEY NOW: A Look Back at PacTrans Alumni

Shangjia Dong



Shangjia Dong graduated from Oregon State University with a PhD in Transportation Engineering in 2018. He is currently located in Newark, Delaware, and serves as an Assistant Professor at the University of Delaware.

[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: [Development of PacTrans Workforce Development Institute](#)

PI(s): Yin Hai Wang (UW), Shane Brown (OSU), Kevin Chang (UI), Billy Connor (UAF), Eric Jessup (WSU)

Project Number: 2019-ME-UW-4



Project Title: [Connected Vehicle Safety Applications using V2X Under Consideration of Bicycles, Pedestrians and Persons with Special Needs](#)

PI(s): Axel Krings (UI)

Project Number: 2019-S-UI-1



Project Title: [Longitudinal Analyses of Washington State Student Travel Surveys](#)

PI(s): Anne Vernez Moudon (UW)

Project Number: 2019-S-UW-1



Project Title: [Combining Crowdsourcing and Machine Learning to Collect Sidewalk Accessibility Data at Scale](#)

PI(s): Jon Froehlich (UW)

Project Number: 2019-S-UW-2



Project Title: [Post-Wildfire Stability and Improvement of Hillslopes near PNW Transportation Infrastructure to Increase Mobility](#)

PI(s): Idil Akin (WSU)

Project Number: 2019-S-WSU-2



Project Title: [Assessment of Washington State Bridges for Post-Earthquake Mobility and Recover Planning](#)

PI(s): Adam Phillips (WSU), Chris Motter (WSU)

Project Number: 2020-S-WSU-2

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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