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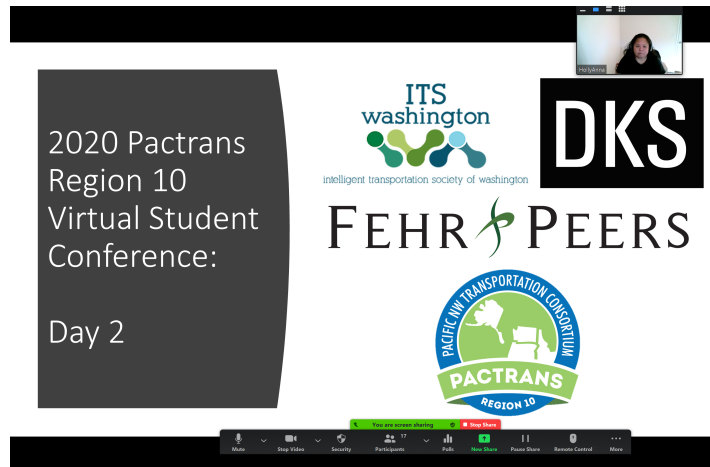


DECEMBER 2020 NEWSLETTER

HIGHLIGHTS

Recap: 2020 Region 10 Student Transportation Conference

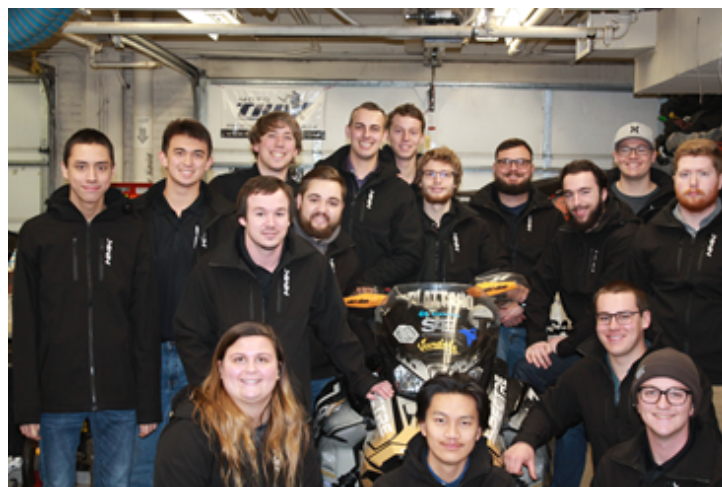
Due to the outbreak of COVID-19, many of PacTrans' normal activities have shifted to fit the current nature of the global pandemic. The annual student conference was no different. In previous years, it would usually have been held on the same weekend as the Region 10 Transportation Conference, however, for the first time this year, these two events occurred separately as well as virtually. The student conference was held virtually over two days on November 18 and 19, 2020. Despite the challenges faced by the unique circumstances this year, the event was a great success.



[READ THE FULL STORY HERE](#)

UI Student Clean Snowmobile Team brings Home Hardware

Each year the Society of Automotive Engineers (SAE) hosts a Clean Snowmobile Challenge where student teams from around the US and Canada develop clean snowmobiles and then use them to compete in a variety of competitions. This past year, PacTrans consortium partner University of Idaho's student team won several of these categories.



[READ THE FULL STORY HERE](#)

Three PacTrans Student Researchers Awarded Eisenhower Fellowships



This year, three PacTrans student researchers received Dwight David Eisenhower Transportation Fellowship Program (DDETFP) awards.

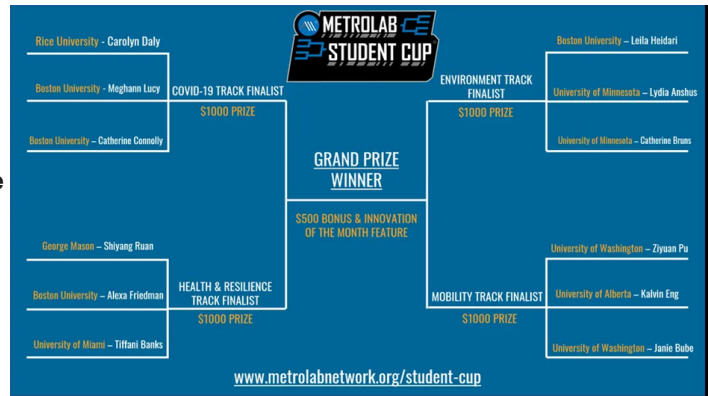
Amy Wyman (photo left), at Oregon State University, under the direction of David Hurwitz; Cole Kopca (photo center), at the University of Washington, under the direction of Yin Hai Wang; and Brian Staes (photo right), at Oregon State University, under the director of Robert Bertini, were the three recipients from our consortium partner universities.

[READ THE FULL STORY HERE](#)

Two UW Student Teams make Finals of MetroLab Student

Cup

Two University of Washington student teams were selected as finalists for the mobility track for the inaugural MetroLab Students Cup, and one of those two UW teams was awarded as the mobility track winner.



[READ THE FULL STORY HERE](#)

OSU ITE Student Chapter Places Third at National Traffic Bowl

This past June the Oregon State University student chapter of the Institute of Transportation Engineers (ITE) competed in and successfully won the Western District ITE Traffic Bowl, earning them a spot in the national competition in late October.



[READ THE FULL STORY HERE](#)

OSU Professor David Hurwitz Receives Faculty Teaching Excellence Award

PacTrans Associate Director/PI and OSU Professor of Civil and Construction Engineering, David Hurwitz, received the OSU College of Engineering Faculty Teaching Excellence Award this year.



[READ THE FULL STORY HERE](#)

Gonzaga ITE Student Chapter received the “Momentum Award” by the ITE Western District

Best & Worst Cities to Drive in

Adam McCann, Financial Writer • Sep 1, 2020



In early September, three PacTrans PIs were invited to contribute to an article published by WalletHub titled, Best & Worst Cities to Drive in.

[READ THE FULL STORY HERE](#)

RECENT PACTRANS WEBINARS

PacTrans Webinar on Effective Technology Transfer

On November 17, we had the privilege to hear from one of PacTrans' Technology Transfer Advisory Board members and one of his colleagues about effective Technology Transfer and commercialization. Dr. Hamed Benouar is the owner and managing director of Connected Transportation Systems and Networks (CTSN) Consulting, and Dr. Amine Haoui is the co-founder and Strategic Business Developer for Sensys Networks.

[WATCH](#)

PacTrans Webinar on The Modern Landscape of Traffic Signal Systems

On December 7, PacTrans hosted a seminar featuring Tom Stiles, the executive vice president of Q-Free ATMS. Mr. Stiles spoke about how innovative technologies are inspiring change to age-old practices in traffic signals.

[WATCH](#)

PacTrans Webinar on Modeling Tsunami Loading on Bridges using OpenSees PFEM

On December 8, two PacTrans researchers from Oregon State University presented a PacTrans sponsored webinar to showcase some of the innovative work they have been developing using OpenSees particle finite element methods (PFEM). Michael H. Scott is a Professor of Civil and Environmental Engineering at OSU and Minjie Zhu is a Research Associate in the same school.

[WATCH](#)

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.



Xianming Shi (WSU), "[Exploring Weather-related Connected Vehicle Applications for Improved Winter Travel in Pacific Northwest](#)" | 2017-M-WSU-1

Anne Vernez Moudon (UW), "[The Impact of Shared Mobility Options on Travel Demand](#)" | 2018-M-UW-3

Michael Olsen (OSU), "[Efficient Extraction and Evaluation of Complex Pavement Markings from Mobile Laser Scan Data](#)" | 2018-S-OSU-3

Mike Lowry (UI), "[Taming and Tapping the Bike Share Explosion](#)" | 2018-S-UI-1

Qing Shen (UW), "[Examining the Effects of King County Metro Carpool Incentive Fund](#)" | 2018-S-UW-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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