



PacTrans Call for Research Statements and Collaboration Opportunities

Proposals due: Friday, May 21, 2021

PacTrans will soon be releasing a request for proposals (RFP) for 2022 - 2023 research projects. In preparation for that release, we are soliciting research statements and potential collaboration opportunities for critical research needs in Federal Region 10 (Washington, Oregon, Idaho, and Alaska). These statements and collaboration opportunities will be distilled for possible inclusion in the RFP as priority topics for proposals. Research statements should be consistent with the current PacTrans research theme of mobility, which is further defined below. If you are also willing to collaborate with PacTrans on the specific research, please indicate how you or your organization would like to participate, such as contributing match funds, staff time, access to your data or other research resources, etc. We look forward to collaborating with you and your organization to jointly address critical transportation challenges in our Region. Please do let us know your research issues and collaboration opportunities by submitting your proposals via the PacTrans website at: <https://depts.washington.edu/pactform/pactrans-call-for-research-statements-and-collaboration-opportunities/>, before Friday, May 21, 2021. Please limit each submission to one statement and corresponding collaboration opportunity, but the number of individual submissions is unlimited.

WHO WE ARE

The Pacific Northwest Transportation Consortium (PacTrans) is the USDOT Funded Regional University Transportation Center (UTC) for Federal Region 10. Major goals and objectives of PacTrans include serving as Region 10's transportation research engine, applied technology showcase, workforce development base, education leader, information center, and collaboration platform. PacTrans is a consortium of transportation professionals and educators from seven universities located in the Pacific Northwest: University of Washington (UW), Oregon State University (OSU), the University of Alaska, Fairbanks (UAF), University of Idaho (UI), Washington State University (WSU), Boise State University (BSU), and Gonzaga University (GU).

PACTRANS RESEARCH FOCUS

PacTrans focuses on using technological advances to develop data-driven, sustainable solutions for the diverse mobility needs of people and goods in the Pacific Northwest. PacTrans defines mobility through four lenses: efficiency, accessibility, reliability, and safety.

- **Accessibility for All:** focuses on new tools and platforms that increase access to transportation information, support new mobility services in both connected and isolated communities, and provide assistive technologies for those with physical or cognitive disabilities.
- **System-wide Efficiency:** improves efficiency through technologies to connected users and infrastructure systems, identify travel service gaps, improve multimodal connections, and support system integration and optimization.
- **Improved Reliability across Modes:** includes innovative methods for managing parking supply, decision support tools for winter road maintenance, and simulation tools for evaluating system performance under extreme conditions.
- **Traffic Safety:** focuses on emerging technologies and new methods to reduce the frequency and severity of crashes.
- **Data-Driven Solutions in Transportation:** a cross-cutting theme, making extensive use of advanced sensing, communications, and data analytics tools in support of our efforts on accessibility, efficiency, and reliability. We anticipate that the developed data-driven solutions will support one or more of the non-exclusive topic areas.

