

## **Multiple Tenure-Track Faculty Positions** <http://www.ce.wsu.edu/hr.html>

The Department of Civil and Environmental Engineering at Washington State University announces the opening of multiple tenure-track faculty positions [www.ce.wsu.edu/hr.html](http://www.ce.wsu.edu/hr.html) to advance its interdisciplinary research and education theme of Sustainable and Resilient Infrastructure Systems. This theme focuses on emerging approaches to design, maintenance, and preservation of infrastructure systems; resiliency and sustainability of interconnected infrastructure and their interactions with the environment. Faculty specializing in enabling technologies as well as in domain sciences that deal with this strategic focus area are sought. The new hires will join a strong and diverse group of faculty engaged in this area and will have a unique opportunity to help shape WSU's vision of research and education in Sustainable and Resilient Infrastructure Systems. Applications are especially encouraged from transformative and interdisciplinary scholars, those who are engaged in research with a diverse group of colleagues that aligns with the interests of the Department as well as cuts across other department areas in the University.

As part of our planned multi-year hiring on sustainable and resilient infrastructure systems theme, applications are sought from the following areas for appointment beginning **August 16, 2014**.

### **Environmental Engineering**

<http://www.wsujobs.com/applicants/Central?quickFind=59176> Research areas of interest include (1) Aquatic chemistry or physicochemical processes, (2) Abiotic and biotic mercury and arsenic dynamics, fate and treatment of emerging contaminants, and/or 3) Soil and groundwater remediation.

### **Structural Engineering and Development of Advanced Composite Materials**

<http://www.wsujobs.com/applicants/Central?quickFind=59180> Research areas of interest include (1) Structural Engineering to improve resiliency of the built environment; novel design solutions for single material and/or hybrid structural systems using mixed materials and systems; (2) Advanced composite materials to retrofit structures; multifunctional infrastructure materials and assemblies.

### **Sustainable Geotechnical and Transportation Infrastructure**

<http://www.wsujobs.com/applicants/Central?quickFind=59194> Research areas of interest include (1) Geotechnical engineering towards mitigation of the effects of natural hazards, such as earthquakes, landslides, flooding, underground structure monitoring, and energy harvest. (2) Pavement engineering towards sustainable development in pavement design and rehabilitation, pavement materials, and pavement management, especially for concrete pavement and its durability (3) Transportation engineering towards transportation asset management, traffic safety, traffic flow, driver behavior, intelligent transportation system, and traffic planning or policy.

### **Water Resources and/or Hydrologic Engineering**

<http://www.wsujobs.com/applicants/Central?quickFind=59165> Research areas of interest include: 1) Analysis and development of sustainable water resource management systems; 2) Integration of climatic, hydrological, physiographic, and socio-economic factors for analyzing water management and/or hydrologic systems; 3) Adaptive management and decision support systems; 4) Optimization and dynamic programming; and/or 5) Groundwater hydrology.

Screening of applicants will begin **December 1, 2013** and continue until the positions are filled.

Washington State University is a Land Grant, comprehensive research institution with an enrollment of approximately 27,000 students distributed across four campuses located in Pullman, Spokane, Vancouver, and the Tri-Cities (Richland, Pasco and Kennewick). There are seven colleges offering doctoral degrees in 44 disciplines; masters and bachelor's degrees are offered in 55 areas of study. WSU is one of the largest residential universities in the West. Close collaborations also exist with the University of Idaho, which is also a Land Grant Research University of 12,500 students located just eight miles to the east of the main Pullman campus. WSU has a diverse student and faculty body, excellent faculty-friendly policies, including a partner accommodation program. Civil and Environmental Engineering is one of five rapidly growing departments within the College of Engineering and Architecture. The Department [www.ce.wsu.edu](http://www.ce.wsu.edu) currently has 26 tenure track faculty members, including two Regents Professors, three endowed professorships, five Young Investigator and Early Career awardees, and many fellows of professional organizations. The department continues to grow with an active research program of nearly \$7 million in extramural funding and current enrollments of about 125 full-time graduate students, and 600 undergraduate students.

*WSU is an EEO/AA/ADA employer committed to providing equal opportunity without regard to national origin, race, religion, gender, sexual orientation, age, disability, or any other basis prohibited by applicable law. The College of Engineering and Architecture is interested in candidates who can contribute to the diversity and excellence of the academic community.*