



## SCHOOL OF ENGINEERING

### DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

The Department of Civil and Environmental Engineering (CEE) at the University of Connecticut invites applications for a tenure-track position at the Assistant or Associate Professor level. The position has an expected start date of August 23, 2016. The research specialties of interest are in the general area of *sustainable and robust transportation infrastructure*.

The University of Connecticut (UConn) is entering a transformational period of growth supported by the \$1.7B *Next Generation Connecticut* (<http://nextgenct.uconn.edu/>) and the \$1B *Bioscience Connecticut* (<http://biosciencect.uconn.edu/>) investments and a bold new *Academic Plan: Path to Excellence* ([http://issuu.com/uconnprovost/docs/academic-plan-single-hi-optimized\\_1](http://issuu.com/uconnprovost/docs/academic-plan-single-hi-optimized_1)). As part of these initiatives, UConn has hired more than 450 new faculty members at all ranks during the past three years. We are pleased to continue these investments by inviting applications for a faculty position in the Department of Civil and Environmental Engineering for a tenure-track appointment at the rank of Assistant or Associate Professor. The Department of Civil and Environmental Engineering has an RU/VH: Research Universities (very high research activity) Carnegie Basic Classification. The Department has 29 faculty members, 371 undergraduate, 50 Master's, and 58 PhD students, and actively engages in research that aims at minimizing the effect of, and retrofitting or repairing the nation's infrastructure affected by events that include aging, seismic, wind, traffic, and blast loading, global climate change, extreme weather, environmental pollution crises, water shortage crises, and non-sustainable energy practices. The State of Connecticut has launched a new transportation plan called "Let's GO CT" that calls for \$100 billion to be invested in State's transportation over the next 30 years and UCONN is well positioned to play a significant role in the long-range strategic plan to move Connecticut to a best in class transportation system.

Successful candidates will be expected to develop and sustain an internationally-recognized and externally-funded research program to advance knowledge for addressing fundamental challenges in sustainability, robustness and resiliency of transportation infrastructure. The candidate is expected to pursue a creative and innovative multidisciplinary research agenda that benefit owners, operators and decision makers of transportation infrastructure by providing the technical knowledge necessary for designing, constructing, managing, maintaining, operating and protecting efficient, resilient and sustainable transportation infrastructure systems. The candidate should have research expertise in transportation infrastructure, with interest in areas such as construction management, novel construction material and design technologies, data-driven asset and performance management, system-level vulnerability and risk analysis, and impact of human behavior and social organizations and functioning on the transportation system. The successful candidate will be expected to develop a vibrant federal-, state- and industry-funded research program and pursue traditional and non-traditional external funding sources. The candidate should demonstrate the potential to collaborate with existing expertise in related areas across the University of Connecticut.

The successful candidate must share a deep commitment to effective instruction at the undergraduate and graduate levels, development of innovative courses and mentoring students in research, outreach, and professional development. Successful candidates will also be expected to broaden participation among members of under-represented groups; demonstrate through their research, teaching, and public engagement the richness of diversity in the learning experience; leadership in developing pedagogical techniques designed to meet the needs of diverse learning styles and intellectual interests.

### **Qualifications:**

**Minimum Qualifications:** Completion of all requirements for a Ph.D. in Civil or Environmental Engineering by the time of appointment; a proven record of excellence in teaching; ability to teach mechanics courses; demonstrated potential in establishing and undertaking successful research and scholarship. Senior candidates must have an established record of leadership excellence. Equivalent foreign degrees are acceptable.

**Preferred Qualifications:** a Professional Engineering (PE) license or the ability and intent to obtain one within two years from the date of appointment; an undergraduate degree in Civil Engineering; outstanding record of research and scholarship excellence; commitment to effective teaching, integrating technology into instruction; an established record of excellence in teaching; the ability to effectively communicate with students in both large and small audiences, and a record of public engagement.

**Appointment Terms:** This is a full-time, 9-month, tenure-track position with an anticipated start date of August 23, 2016. The successful candidate's primary academic appointment will be at the Storrs campus with the possibility of assignment at one of UConn's regional campuses. Salary will be commensurate with qualifications and experience.

**To Apply:** Please visit Husky Hire at [www.jobs.uconn.edu](http://www.jobs.uconn.edu) to submit a cover letter, curriculum vitae, teaching statement (including teaching philosophy, teaching experience, commitment to effective learning, concepts for new course development, etc.); research and scholarship statement (innovative concepts that will form the basis of academic career, experience in research proposal development, plan for developing interdisciplinary and multidisciplinary collaboration, mentorship of graduate students, etc.); two sample journal articles; and the names of at least three references (with email address and phone number). Evaluation of applicants will begin immediately and continue until the position is filled. The University of Connecticut is an EEO/AA employer. We encourage applications from underrepresented groups, including minorities, women, and people with disabilities. (Search # 2016279)