



Assistant/Associate Professor – Hybrid Testing of Structures
Department of Civil and Environmental Engineering



The Civil and Environmental Engineering (CEE) Department at the University of Connecticut (UConn) invites applications for a tenure-track position to conduct teaching, research, and service at the Assistant/Associate Professor level in *Hybrid Testing of Structures* (Search 2014222). UConn is a premier research institution – designated as a Research University/Very High research activity (RU/VH) by the Carnegie Foundation. CEE at UConn addresses global challenges through its didactic and research missions by preparing engineers to face major societal challenges and performing cutting-edge research to develop new solutions to global problems. We are one of the leading departments in the northeast with excellent educational and research programs and facilities. The department's active research activities include over \$8 million in more than 80 active grants with \$4 million in annual research expenditures generated from a wide variety of funding sources. These activities provide funding and superb training opportunities for our more than 100 graduate and 400 undergraduate students to conduct research, participate in laboratory internships, and pursue an excellent education. In fact, in 2010, the National Research Council reported that UConn civil engineering ranked in the top 10 percentile in student placement and UConn environmental engineering ranked in the top 10 percentile in diversity and in student outcomes.

We invite applications for a tenure-track position to conduct teaching, research, and service in structural engineering and applied mechanics with interest to lead efforts in multi-hazard mitigation of structural systems, experimental methods in structural engineering, novel techniques for real-time hybrid testing of structural components and development of innovative test methods to examine high-performance components and materials for structures subjected to extreme loads.

The successful candidate will be expected to develop a vibrant externally-funded research program, pursuing a variety of traditional and non-traditional research funding sources; possess an enthusiasm for diverse and innovative teaching including distance learning courses at both the undergraduate and graduate levels; advise graduate and undergraduate students; generate a scholarly publication record; participate in technical committees and outreach activities; and involve themselves in the mentoring of junior faculty. The new faculty will capitalize on existing expertise in the Departments of Civil and Environmental Engineering and Mechanical Engineering. He/she will make significant contributions to the development and advancement of our Structures and Materials Research Laboratory.

These are momentous times for UConn Engineering as we welcome unprecedented numbers of incoming, highly qualified students to our undergraduate programs; expand our collaborations with industry partners; nurture the entrepreneurial spirit of our students and faculty; and strategically grow our research expertise in core areas of enormous importance to the nation. In response to transformative new partnerships with industry and a state-bonded \$1.8B investment in STEM infrastructure and education at UConn, the University expects to hire over 500 new faculty in all by 2023. The School of Engineering is accelerating its faculty hiring in strategic areas. For the 2013-14 academic year UConn Engineering has hired 22 new tenure-track faculty members in Advanced Manufacturing & Materials, Genomics and Biomedical Engineering, and Human Sustainability & Physical and Cyber Infrastructure Resilience. Key developments driving this growth also include the establishment in 2013 of a \$7.5M General Electric Partnership for Advanced Materials, \$4.5M Pratt & Whitney Additive Manufacturing Innovation Center, \$4.8M Fraunhofer Center for Energy Innovation, \$1M/year Center for Hardware Assurance & Security Engineering and an anticipated \$10M UTC Institute for Advanced Systems Engineering and \$15M Center for Resilient Energy.

Minimum Qualifications: Completion of all requirements for a Ph.D. in Civil or Environmental Engineering or a closely related field by the time of appointment; equivalent foreign degrees are acceptable; the ability to develop and sustain a vibrant, nationally/internationally recognized and externally-funded research program; a documented record of quality teaching (Associate Professor) or demonstrated strong potential for teaching (Assistant Professor) in the undergraduate and graduate programs in their area of expertise or appropriate technical topics; and experience with (Associate Professor) or strong potential for (Assistant Professor) advising M.S. and Ph.D. students. Equivalent foreign degrees are acceptable.

Preferred Qualifications: A Professional Engineering license or the ability and intent to obtain one within two years; an undergraduate degree in civil engineering; professional experience in the area of hybrid testing of structures; record of research complementing and enhancing existing departmental strengths; record of publications in related technical areas; a record of obtaining and managing contract research (Associate Professor) the potential for collaboration with industry, and the ability to contribute through research, teaching, and/or public engagement to the diversity and excellence of the learning experience.

This is a 9-month, tenure track position with an anticipated start date of August 2014. The successful candidate's primary academic appointment will be at the Storrs campus with the possibility of work at UConn's regional campuses across the state.

Please submit curriculum vitae, letter of application, a brief statement of teaching and research interests, and the names of at least three references (with email, phone number and mailing address) via Husky Hire. The required submission format is a single PDF file in the order shown above. Review of applications will begin immediately. *The University of Connecticut is an EEO/AA employer.*

