University of Connecticut

Assistant/Associate Professor of Water Resources Management under a Changing Climate
Department of Civil & 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 in *Water Resources Management under a Changing Climate* at the Assistant/Associate Professor level, with a joint appointment in Agricultural and Resource Economics (ARE) and Natural Resources and the Environment (NRE). 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 $5.5 million in more than 40 active grants with $4.2 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 300 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 seek a faculty member that will lead efforts in the development of effective water resources management systems that integrate climatic, hydrologic, physiographic and socio-economic factors; a key element for sustainable global water resources development. The targeted faculty will have an active research program in one or more of the following areas: forecast and analysis of water resources from seasonal to inter-annual scales; impact of climatic variability and extremes (e.g., floods and droughts) on water resources; decision support system for sustainable management of water resources under climatic change. 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; and participate in technical committees and outreach activities.

The successful candidate will have demonstrated expertise in all or some of the following fields: sustainability of water resources, systems analysis, and global applications. His/her research will address the issues of uncertainty (information uncertainty and natural variability), hierarchy of scales and decision

making. His/her research expertise should be in one or more of the following areas: water resources engineering, hydroclimatology, optimization of water resource systems, and development of policy-relevant decision support system. The new faculty will integrate with existing expertise in climate variability and change, hydrologic remote sensing, hydrologic modeling, groundwater hydrology and modeling, resource economics and policy, and Geographic Information Systems as well as with new faculty in the cluster hire area of water sustainability that will make significant contributions to our on-going international education and research efforts addressing critical water resource challenges in Africa.

Minimum qualifications include: completion of all requirements for a Ph.D. in Civil Engineering or a closely related field with emphasis on water resources by the time of appointment; 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 include: a Professional Engineering license or the ability and intent to obtain one within two years; an undergraduate degree in civil or environmental engineering; professional experience in any area of water resources; a record of research complementing and enhancing existing departmental strengths in water resources and hydrology; a record of publications in related technical areas; a record of obtaining and managing contract research (Associate Professor); the potential to collaborate 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 2013. 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 visit Husky Hire at www.jobs.uconn.edu to 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). The required submission format is a single PDF file in the order shown above. Review of applications will begin immediately and continue until the position is filled. (Search#2013109). The University of Connecticut is an EEO/AA employer. We encourage applications from underrepresented groups, including minorities, women, and people with disabilities.