

WATER RESOURCES SYSTEMS ENGINEERING FOR A CHANGING WORLD: WATER, ENERGY AND THE ENVIRONMENT

Cornell's School of Civil and Environmental Engineering (CEE) invites applications for a tenure-track faculty position in the area of sustainability related to water, energy and the environment. We are seeking an individual who takes a systems approach towards addressing sustainable water resources and energy issues. Our ideal candidate's research should focus on and advance our understanding of the social, physical, and environmental constraints that influence the use, fate, and fluxes of water across critical societal infrastructures. Resilient systems engineering solutions are needed to address the strongly interdependent challenges of global change, water availability, food security, energy systems, sustainable development, and human health. Ideal candidates will work at the interfaces of several of these domains with contributions at the global and/or regional water management scales. We expect candidates to advance water resources systems analysis for the operation or planning of infrastructure systems, with particular concern for energy, water quality, water quantity, human health, ecosystems and/or other environmental issues. Applicants should be capable of contributing fundamental advances in one or more of the following systems areas: optimization, risk analysis, computational science, data analytics, and large scale data assimilation.

The position will be filled at the Assistant, Associate or Full Professor level. It is anticipated the successful candidate will begin in August 2017, although alternative arrangements can be made. Review of applications will continue until the position is filled. The candidate should contribute to undergraduate and graduate teaching in the Environmental and Water Resource Systems area within the CEE School. Potential graduate courses might address Sustainability Issues, Risk Analysis, Decision Analysis, or Water Resource Systems Analysis. The successful applicant will be expected to conduct an internationally recognized and well-funded research program. Research activities at Cornell in these areas are enhanced by the opportunity to interact with faculty and students within the Civil and Environmental Engineering School, the College of Engineering, and other colleges including the College of Agricultural and Life Sciences, which has several environmental programs. Cross-campus interdisciplinary activity is encouraged by the Cornell [*Atkinson Center for a Sustainable Future*](#) (ACSF), the [Engineering College strategic plan](#), and the [Center-for-Sustainable-Global-Enterprise](#).

The School of Civil and Environmental Engineering and the College of Engineering at Cornell embrace diversity and seek candidates who can contribute to a welcoming climate for all students. Ezra Cornell announced, "I would found an institution where any person can find instruction in any study."

Cornell University seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches. To learn more visit http://www.unyherc.org/home/index.cfm?site_id=671

To apply: Application materials must be submitted on-line at
<https://academicjobsonline.org/ajo/jobs/7846>

Through this web site, applicants are to submit a curriculum vita, a research statement, a teaching statement, one to three publications or manuscripts, graduate and undergraduate transcripts and complete contact information for at least three references. Questions can be directed to cee_search@cornell.edu

Review of applications will begin immediately and continue until the position is filled.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.