

Department/Unit URL: <http://www.caee.utexas.edu>

Closing Date: Until Filled

Field of Specialization: Environmental and Water Resources Engineering

Job Description: The University of Texas at Austin Department of Civil, Architectural and Environmental Engineering (CAEE) invites applications for a tenure-track assistant professor position in environmental engineering with a focus on “wastewater engineering in the 21st century.” This focus involves a broader vision of the definition of wastewater than it did previously, with modern challenges and opportunities calling for insightful experimental and innovative modeling approaches. Research areas of interest include preparing for alternative downstream water uses; removing recalcitrant compounds and emerging micro-pollutants including nanomaterials; determination of biotransformation pathways of contaminant removal; recovery of nutrients, energy, or energy sources; biochar production from waste; reducing energy consumption; stemming the spread of antibiotic resistance; and the traditional requirements of removing carbon and nutrients. The analysis and optimization of the wastewater bio-consortia with the use of advanced bioanalytical approaches are also of interest to maximize treatment of and resource recovery from wastewater. The practice of wastewater engineering in the context of environmental sustainability requires an understanding of the underlying microbiology and chemistry, energy use and recovery, the ecological consequences of liquid, solid, and gaseous discharges, and knowledge regarding the appropriate application of these concepts to developed and developing countries. The successful candidate is expected to establish a well-funded research program that supports graduate students, bring excellence to classroom teaching at both the undergraduate and graduate levels and be involved in service to the university and the profession.

Applicant Instructions: Applicants must have an earned Ph. D. degree in civil, environmental, or chemical engineering, or equivalent. Interested and qualified individuals should submit materials in electronic form to <http://apply.interfolio.com/45628>. Requested materials include a letter of interest; a complete CV, including academic and professional experience and a list of publications; statement of research interests outlining areas of technical expertise and interest that complement the department’s strategic plan and vision (available at <http://www.caee.utexas.edu/>); statement of teaching philosophy; and the names and e-mail addresses of three references. The letter of interest should be addressed to: Chair, Department of Civil, Architectural and Environmental Engineering.

The University of Texas is an Affirmative Action/Equal Opportunity Employer. Applications from women and minorities are encouraged. A security sensitive background check will be conducted on the applicant selected. Review of applications will begin on November 1, 2017.