

Job Ad

Tenure Track Position in Environmental Hydrology

San Francisco State University, Department of Earth & Climate Sciences offers an exciting opportunity for a tenure-track Assistant Professor position in Environmental Hydrology beginning August 2019 (Search #24.18). We seek a colleague whose research and teaching interests include the interactions between hydrology, climate, and earth and environmental systems, broadly construed. We are especially interested in qualified candidates who can contribute through their research, teaching, and/or service, to the diversity and excellence of the academic community.

The Department of Earth & Climate Sciences (E&CS) (<http://tornado.sfsu.edu>) has nine tenured/tenure-track faculty and five lecturers. It offers a BS degree in Earth Sciences, with emphases in Hydrology, Geology, and Ocean, Weather and Climate; a BA degree in Earth Sciences; and a MS degree in Geosciences. Together, these programs enroll 75 undergraduate majors and 20 MS students. E&CS houses Students for Sustainable Water (<https://sfsuwater.org/>), an X-Ray Fluorescence (XRF) lab, the Electron Microscopy Facility, and several classrooms and student spaces equipped with computers for instructional use. Other available facilities include the Sierra Nevada Field Campus (<http://www.sfsu.edu/~sierra/>), the University's environmental field station; and the Estuary & Ocean Science Center (<http://eoscenter.sfsu.edu/>).

San Francisco State University is a member of the California State University (CSU) system and serves a diverse student body of 30,000 undergraduate and graduate students. The mission of San Francisco State University is to create and maintain an environment for learning that promotes respect for and appreciation of scholarship, freedom, human diversity, and the cultural mosaic of the City of San Francisco and the Bay Area; to promote excellence in instruction and intellectual accomplishment; and to provide broadly accessible higher education for residents of the region and state, as well as the nation and world. To fulfill its mission, the University is committed to the following goals:

- Attracting, retaining and graduating a highly diverse student body
- Providing an education that is academically rigorous and intellectually challenging
- Providing disciplinary and interdisciplinary liberal arts and professional education that is academically rigorous and intellectually challenging
- Employing a staff and administration reflecting the diversity of our student community and the values of the campus;
- Providing curricula that reflect all dimensions of human diversity, and that encourage critical thinking and a commitment to social justice
- Recruiting, retaining and supporting a diverse faculty whose teaching demonstrates an active engagement with their individual fields of study and whose creative and scholarly work is an extension of the classroom, laboratory or studio
- Fostering a collegial and cooperative intellectual environment that includes recognition and appreciation of differing viewpoints and promotes academic freedom within the University community; and
- Serving the communities with which its students and faculty are engaged.

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Responsibilities: The position requires developing an outstanding, nationally recognized research program in their area(s) of specialty, securing external funding, creating research collaborations with faculty in E&CS and other departments at SFSU, undergraduate and graduate teaching in environmental hydrology, mentoring and advising graduate and undergraduate students, and engaging in committee and service assignments. Teaching duties may include Surface Water Hydrology, Environmental Water Resources, California Water, or other undergraduate and graduate courses in the candidate's area of expertise. Detailed position description is available online at <http://tornado.sfsu.edu/>.

Required Qualifications: Ph.D. in a physical science or engineering discipline related to environmental hydrology. Terminal degree must be completed by the first day of employment.

Preferred Qualifications:

- Post-doctoral experience.
- Demonstrated ability to link physical hydrology and/or hydroclimatology to earth and environmental systems that enhance water resource management decisions and policy choices in California and the Western U.S.
- Strong quantitative skills that integrate field observations and/or numerical modeling to understand hydrologic and hydroclimatic processes from the plot to watershed or larger scales.
- Ability and interest to engage with local, state, federal, and international agencies and other stakeholder groups.
- Demonstrated ability to integrate and expand existing research strengths in E&CS, particularly in building interdisciplinary research collaborations across hydrology, geology, ocean, weather, and climate sciences.
- Research specialty in the areas of water resources sustainability under climate variability and change; surface-water/groundwater interactions; urban hydrology, including stormwater; the water-energy-food nexus; hydrologic control on fluvial geomorphologic systems; interactions of freshwater and saltwater in coastal and deltaic systems; and/or interdisciplinary study of water in coupled human-natural systems
- Active record of research related to their specialty area and evidence of external support or the potential for external funding of these activities.
- Teaching experience with a large, diverse student body.
- Demonstrated ability to incorporate inclusion, diversity, and educational equity in teaching.

Rank and salary: Assistant Professor. Salary commensurate with qualifications and experience. The California State University (CSU) provides generous health, retirement and other benefits.

Application: Submit a (1) cover letter; (2) a current CV; (3) a statement of research interests; (4) a statement of teaching philosophy; (5) a statement on how your teaching, scholarship, or service align with the commitment of the Department of Earth & Climate Sciences to foster an

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inclusive and diverse academic community; and (6) names and contact information of three references, online at the Academicjobsonline.org Web Site (<https://academicjobsonline.org/ajo/jobs/11971>). Letters of recommendation may be requested at a later date. Review of applications begins November 1, 2018. To ensure full consideration, applications should be complete by this date. For questions about this position, contact Dr. Jason Gurdak (E&CS), jgurdak@sfsu.edu, 415-338-6869, the Hiring Committee Chair.

San Francisco State is an Equal Opportunity Employer and does not discriminate against persons on the basis of race, religion, color, ancestry, age, disability, genetic information, gender, gender identity, gender expression, marital status, medical condition, National origin, sex, sexual orientation, covered veteran status, or any other protected status. We especially welcome applications from members of all ethnic groups, women, veterans, and people with disabilities. Reasonable accommodations will be provided for qualified applicants with disabilities who self-disclose by contacting the Senior Human Resources Manager.

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the CSU. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current CSU employees who apply for the position.