

Hi CEE Graduate Students,

Please see this week's announcements below:

Professional Development

Open Seats in HYD 144 Groundwater Hydrology

Job Opportunities

Assistant/Associate Professor of Environmental Engineering at Cal Poly

Tenure/Tenure Track Faculty Position at Purdue University

Assistant Professor of Civil and Environmental Engineering at Rice University

Graduate Structural Risk & Resilience Engineer

Graduate Climate Risk & Resilience Engineer

Risk & Resilience Engineer Intern (summer 2023)

Postdoc-to-Tenure-Track Fellow Position in Environmental Engineering at Bucknell University

Professional Development

Open Seats in HYD 144 Groundwater Hydrology

This course takes an interdisciplinary, holistic approach to understanding groundwater resources and appeals to students from across environmental, engineering, policy, agricultural, and earth sciences. We explore groundwater through the lens of various systems: as an economic, geographic, geologic, physical, chemical, legal/regulatory, and management system. Topics covered include: global role of groundwater resources in society; groundwater in the hydrologic cycle; geology of groundwater; global, US, and California geography of groundwater; physical measures of groundwater occurrence and flow; water balance; modeling groundwater flow; principles of well construction; aquifer tests; groundwater quality; contaminant transport and monitoring; groundwater law; water quality regulations; sustainable groundwater management. The course provides useful skills for careers in consulting, academia, natural resources management, industry, agriculture, law, government, public administration, and with NGOs. The course provides a foundation for the UCD groundwater course series (e.g., ECI 144, HYD 134, HYD 150, HYD 274, ECI 261, ECI 289I).

Job Opportunities

Assistant/Associate Professor of Environmental Engineering at Cal Poly

The Department of Civil & Environmental Engineering at California Polytechnic State University, San Luis Obispo invites applications for a tenure-track faculty position at the Assistant or Associate Professor level in Environmental Engineering related to bioremediation, resource recovery and/or solid/hazardous waste. The link below has the full position description.

<https://careers.pageuppeople.com/873/cisl/en-us/job/516653/assistant-professor-of-environmental-engineering>

Tenure/Tenure Track Faculty Position at Purdue University

The Lyles School of Civil Engineering at Purdue University invites applications for a tenure-track faculty position at the rank of Assistant or Associate Professor. Purdue University seeks to attract exceptional candidates with interests and expertise in structural engineering. This includes but is not limited to large-scale static and dynamic testing, use of innovative materials in efficient structural designs and systems, structural mechanics applied to numerical modeling and benchmarking using test results, design philosophies including performance-based design approaches, considerations of sustainability and resilience in design, construction processes and influence of flaws on performance. Of particular interest are candidates with interests and expertise in hardened infrastructure. Hardened infrastructure refers to structures (buildings, bridges, mission-critical facilities, operational facilities etc.) used in defense and/or security applications, power generation, energy storage and transmission applications, and other applications critical to the nation's growth, security, and pre-eminence. This includes structures that are critical to safe and efficient operation of our local, state, and federal governments subjected to natural hazards or human-induced extreme events. The durability of hardened infrastructure to challenging environmental conditions over their design life is also of interest. Successful candidates must hold an earned Ph.D. degree in Civil Engineering or a related discipline and demonstrate potential to build an independent research program, as well as potential to educate and mentor students. The successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service at the School, College, and University levels.

<https://careers.purdue.edu/job/West-Lafayette-Assistant-or-Associate-Professor-of-Civil-Engineering-IN-47906/93555600/>

Assistant Professor of Civil and Environmental Engineering at Rice University

The Rice University Department of Civil and Environmental Engineering invites applications for a tenure track assistant professor position in the area of Adaptive and Resilient Infrastructure Systems. Outstanding candidates at higher ranks will also be considered. We seek candidates with deep foundational expertise and an interest in interdisciplinary research to envision and enable resilient, adaptable, smart, just and equitable infrastructure systems of the future. Candidates are expected to bring strong theoretical, analytical, or modeling expertise to bear on pressing challenges of modern civil infrastructure systems (i.e., energy, transportation, water) and may be working across a range of scales (e.g., facility, community, regional, national, or global). Areas of interest include, but are not limited to: (1) complex systems modeling and the design of intelligent infrastructure systems that are adaptable, controllable, or reconfigurable; (2) socio-technical systems analysis and the pursuit of just and equitable infrastructure systems and their services; (3) climate adaptive and hazard resilient infrastructure in the face of uncertain chronic and punctuated stressors; (4) data science, machine learning, and risk-

informed decision-making, optimization and planning related to infrastructure maintenance and management.

<https://apply.interfolio.com/113543>

Graduate Structural Risk & Resilience Engineer

<https://jobs.arup.com/jobs/graduate-structural-risk-resilience-engineer-available-2023-13321>

Graduate Climate Risk & Resilience Engineer

<https://jobs.arup.com/jobs/graduate-climate-risk-resilience-engineer-available-2023-13286>

Risk & Resilience Engineer Intern (summer 2023)

<https://jobs.arup.com/jobs/risk-resilience-engineer-intern-available-june-2023-13082>

Postdoc-to-Tenure-Track Fellow Position in Environmental Engineering at Bucknell University

See attachments for more details.