Instructor

Ecole/Institution/Société:
University of Vermont, **United States / Beaumont**

Discipline:
Civil Engineering, Environmental Engineering

Type d'emploi::
Full-time

Date de publication:
2022-04-05

Personne à contacter:
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Faculty Positions in Civil and Environmental Engineering

Website For Job: https://www.uvmjobs.com/postings/search

Job Categories

- Assistant Professor
- Associate Professor
- Professor

Academic Fields

- Civil Engineering
- Water Resources Engineering
- Ecological and Environmental
- Engineering Mechanics

- Tenure-Track Full Professor of Environmental Engineering and State Director of EPSCoR (Position #00023331) – We seek highly qualified applicants for a tenured full professor in environmental engineering, who will also serve as the State Director of Vermont's Established Program to Stimulate Competitive Research (EPSCoR) leading expansion of UVM's research portfolio at the nexus of human and natural systems, as part of the position. EPSCoR establishes partnerships with government, higher education and industry and is designed to make lasting improvements in the state's research infrastructure, capacity, and national competitiveness. The EPSCoR State Director will work closely with the UVM Vice President for Research to integrate existing multi-agency EPSCoR initiatives and expand participation across campus. Prior experience with EPSCoR programs is desirable. The CEE department emphasizes interdisciplinary research with collaborators in social science, policy, and public health. Campus-wide collaborative opportunities include: Gund Institute for Environment, Lake Champlain Sea Grant, Complex Systems Center, Transportation Research Center, UVM Extension, Advanced Genome Technologies Core, Larner College of Medicine, Vermont Biomedical Research Network, Vermont Space Grant Consortium, Vermont Advanced Computing Core, Mass Spectrometry Core Laboratory, and the Microscopy Imaging Center. Applicants must have a Ph.D. degree in environmental engineering or a related field, an exceptional portfolio of cutting-edge research and teaching, and a prolific record of securing and managing research funding, particularly from federal agencies such as NSF, EPA and DOE. The candidate's research area should support existing applied and fundamental

CEE faculty research on biological, chemical, or physical processes in the broad area of water systems and sustainability in natural and engineered environments.

- Tenure-Track Assistant or Associate Professor in Environmental Engineering (Position #006305) – We seek candidates that complement existing research conducted within the department and across the university on physical, chemical, and biological processes for water and wastewater treatment and recovery of beneficial products from wastes, including those who combine experimental research with computational sciences. Priority will be given to individuals who can connect contemporary water and wastewater issues to regional, national, and global environmental and public health outcomes. The candidate will be expected to maintain an active program of externally-funded research and contribute to two separate ABET-accredited undergraduate education programs (Civil Engineering; Environmental Engineering) as well as teach CEE undergraduate and M.S. and Ph.D. graduate courses in their area of expertise.

- Tenure-Track Assistant Professor in Engineering Mechanics and Materials (Position #004608) – We seek applicants who work at the frontier of their field towards enhancing the sustainability of the built and natural environments. We welcome applicants from all areas of engineering mechanics and materials that could complement existing research expertise within the department and the university. Topics of particular interest include but are not limited to computational solid mechanics, snow/ice mechanics, smart materials, mechanics of materials to support clean energy production and environmental remediation, and novel applications of machine learning in computational mechanics. Applicants should have an earned Ph.D. in civil engineering or a related field, have the ability to pursue an independent program of research and collaborate across disciplinary boundaries, and a strong commitment to both graduate and undergraduate mentoring including teaching courses in mechanics, materials and structural engineering.

The University of Vermont is an Affirmative Action/Equal Opportunity employer. Applications from women, veterans, individuals with disabilities and people from diverse racial, ethnic, and cultural backgrounds are encouraged. The University is especially interested in candidates who can support a culture of excellence at UVM, as articulated in Amplifying Our Impact, that is diverse and inclusive as envisioned in Our Common Ground.

The University of Vermont, established in 1791, is a comprehensive high-research university with a current enrollment of 12,000 undergraduate, graduate, and medical students. UVM’s 2,385 full and part-time faculty generated $277 million dollars in research funding in 2019.

UVM’s senior leadership is committed to continued research growth, and the university has recently invested heavily in research infrastructure including a new STEM building and a high-performance computing center. The University is located in Burlington, Vermont, often rated as the best small city in America for quality of life, featuring year-round outdoor recreation and cultural events.

Greater Burlington has a population of approximately 150,000 and enjoys a panoramic setting on Lake Champlain, bordered by the Adirondack and Green Mountains. The City of Burlington is one of the most environmentally progressive cities in the nation, with 100% of residential energy from renewable sources. Burlington was named the #2 "great place to live in America" by Kiplinger’s and Vermont was ranked the "Healthiest State in the USA" in 2019 by the United Health Foundation.

Application materials (4 documents) must be submitted online at http://www.uvmjobs.com, for posting numbers: Position #004608 & Position #006305:

- cover letter with names and contact information for at least three references including at least one who can comment on teaching and mentoring abilities;
- current curriculum vitae identifying specific areas of expertise; and statements of:

- research interests and teaching interests; and
- diversity impact. Applications for posting number Position #00023331 must also include an additional document –
- leadership experience and research management vision. Inquiries for position numbers Position #006305 & Position #00023331 may be addressed to Professor Arne Bomblies at abomblie@uvm.edu. Inquiries for position number Position #004608 may be addressed to Professor Eric Hernandez at eric.hernandez@uvm.edu.

EEO/AA Policy

The University of Vermont is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other category legally protected by federal or state law. The University encourages applications from all individuals who will contribute to the diversity and excellence of the institution.

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