Associate/Full Professor and Assistant Professor in Water and Soil Remediation

Job no: 494337
Work type: Faculty
Location: Newark
To learn more and apply, visit: https://careers.udel.edu/cw/en-us/job/494337/associatefull-professor-and-assistant-professor-in-water-and-soil-remediation

Categories: Applied Economics & Statistics, Chemistry & Biochemistry, Civil & Environmental Engineering, Plant & Soil Sciences, School of Marine Science & Policy, Full Time

Associate/Full Professor and Assistant Professor in Water and Soil Remediation
Delaware Environmental Institute
As part of an interdisciplinary cluster hire in coastal water sustainability, the University of Delaware (UD) invites applications for two tenured/tenure-track positions in Water and Soil Remediation at the Associate/Full Professor and Assistant Professor levels. The cluster hire will focus on water quality, hydrological processes, human behavior, environmental restoration, and impacts on human and ecosystem health arising from increased stressors on coastal water resources. The cluster will complement existing strengths in water science, engineering, environmental soil science, environmental geochemistry, economics, and policy, and will establish critical new capabilities at UD in research and teaching, with six faculty hires: two each in environmental toxicology & epidemiology, water & soil remediation, and systems modeling. An interdisciplinary team of faculty from five UD colleges (CANR, CAS, CEOE, CHS and COE) developed the vision for this cluster, taking a systemic and solution-oriented approach to global water challenges in coastal environments, and providing several possibilities for primary and joint appointments dependent on new hire expertise. These faculty hires will contribute to a high-potential interdisciplinary environment and complement existing UD research programs.

Qualifications
We are seeking exceptional candidates in Water and Soil Remediation at the Associate/Full Professor and Assistant Professor levels with interdisciplinary interests, who will develop extramurally funded research programs examining pollutants and their removal or degradation in natural or engineered systems. The research of these candidates would connect the study of the environment to human and ecosystem health, with potential application to the unique challenges and vulnerabilities in coastal systems. A PhD in a related field is required, and post-doctoral training or independent research experience is preferred. Senior faculty applicants must have an established record of scholarship and research funding. All faculty are expected to contribute to a welcoming campus environment that embraces diversity. We seek

interdisciplinary researchers who are attentive to both high-impact applications and cutting-edge technology and are committed to establishing robust research programs. The hires may join departments such as Civil and Environmental Engineering, Chemical Engineering, Geological Sciences, Plant and Soil Sciences, or the School of Marine Science and Policy. To foster collaborations across academic units, faculty candidates are encouraged to request interdepartmental joint appointments. The hires would pursue research in development and deployment of remediation technologies and/or evaluation of remediation effectiveness including, but not limited to: phyto- or bio-remediation using microbiology, genomics, or bioinformatics; novel materials for high-efficiency separation or recovery; field-based design and evaluation; and contaminant fate and transport investigation and modeling. A research-intensive, technologically advanced university with global impact, UD traces its roots back to 1743. Today, it is a Carnegie R1 Doctoral University (Highest research activity), with external funding exceeding $200 million annually. State-assisted, yet privately governed, UD is a Land Grant, Sea Grant and Space Grant institution. Investments in state of the art facilities, such as the Advanced Materials Characterization Lab, the Keck Electron Microscopy Center, the new National Institute for Innovation in Manufacturing Biopharmaceuticals (NIIMBL), and the Data Science Initiative, provide access to research equipment and comprehensive training and technical support to meet the comprehensive research needs in an interdisciplinary environment. The University's leadership is committed to greater collaboration among colleges and across disciplines, and recognizes that UD, as a place of intellectual transformation and enlightenment, must be a source for positive change, stimulating faculty, staff, students, alumni and others to make a difference in society.

The University of Delaware recognizes and values the importance of diversity and inclusive excellence in supporting our academic mission and enriching the experience of our employees. We are committed to attracting candidates with varying identities and backgrounds, knowing that diversity enriches the academic experience and expands the knowledge base for innovation. We strongly encourage applications from scholars from under-represented groups. UD provides equal access to, and opportunity in, its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. The University is responsive to the needs of dual-career couples, and supports work-life balance through our family-friendly policies.

Application Instructions:
Applicants should apply on-line and should submit a letter of application, a curriculum vitae, a description of research plans, and a statement of teaching philosophy at https://careers.udel.edu/cw/en-us/job/494337. They should also provide the names and contact information for at least three references. Candidates for the senior position will be notified before references are contacted. Review of applications will begin on November 15, 2019 and will continue until positions are filled. Questions should be directed to Dr. Pei Chiu (pei@udel.edu) and/or Dr. Holly Michael (hmichael@udel.edu).

Equal Employment Opportunity

The University of Delaware is an Equal Opportunity Employer which encourages applications from minority group members, women, individuals with a disability and veterans. The University's Notice of Non-Discrimination can be found at http://www.udel.edu/aboutus/legalnotices.html. Employment offers will be conditioned upon successful completion of a criminal background check. A conviction will not necessarily exclude you from employment.