



## Open Rank Faculty Position – Environmental and Water Resources Engineering

The Charles E. Via, Jr. Department of Civil and Environmental Engineering (CEE) at Virginia Tech invites applications for a tenured/tenure-track faculty position at all ranks in Environmental and Water Resources Engineering, effective August 2024. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research. Candidates are expected to lead innovative scholarship and research, develop and sustain an externally-funded research program, teach and mentor undergraduate and graduate students, and serve the university and the profession. The successful candidate will have a Ph.D. in civil engineering or a closely related field, a strong record of academic accomplishments, a proven ability to work collaboratively, a commitment to interdisciplinary research and instruction, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. This position is part of a new multi-year investment by the College of Engineering in transdisciplinary next-generation approaches to the sustainable management of One Water systems, particularly stormwater, and sustainable land development, centered at the OWML in Northern Virginia. The ideal candidate will have demonstrated expertise in smart water systems (e.g., cyberinfrastructure, sensor networks, novel water treatment approaches), will leverage the OWML's analytical facilities (including a new PFAS measurement facility), will engage with local stakeholders, and will help build connections with electrical engineering and computer science faculty both in Blacksburg at the Innovation Campus.

The CEE Department has 49 tenured/tenure-track faculty and 7 professors of practice. Five faculty are recent early investigator recipients, and numerous other faculty are recognized nationally and internationally. The department is home to approximately 670 undergraduate students and 350 full-time graduate students. The civil and environmental engineering undergraduate programs are currently ranked 6<sup>th</sup> and 9<sup>th</sup>, and the civil and environmental engineering graduate programs are ranked 7<sup>th</sup> and 5<sup>th</sup> by U.S. News & World Report (USN&WR).

The successful candidate will join the Environmental and Water Resources Engineering faculty at the Occoquan Watershed Monitoring Laboratory (OWML) located in Manassas, Virginia. The OWML is a fully-staffed lab and a locally-supported monitoring program with a well-instrumented network of automated gaging and sampling stations for the acquisition of hydrologic and water quality data in the 570-square-mile Occoquan watershed. The 1,700-acre Occoquan Reservoir is a critical component in a "One Water" system that provides drinking water for 2 million people in the greater Washington, D.C. metropolitan area and it has been recognized internationally as a model for sustainable indirect potable reuse resilience. The OWML's location in suburban Washington, D.C. offers unique proximity to government and industry partners and to Virginia Tech's new Innovation Campus in Alexandria VA, slated to open in 2024.

Virginia Tech is a public land-grant university, committed to teaching and learning, research, and outreach to the Commonwealth of Virginia, the nation, and the world. Building on its motto of *Ut Prosim* (that I may serve), Virginia Tech is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. Virginia Tech actively seeks a broad spectrum of candidates to join our community in preparing leaders for the world. The College of Engineering undergraduate program ranks 16<sup>th</sup>, and graduate program ranks 30<sup>th</sup> among all U.S. engineering schools (USN&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance, and stewardship.

Applicants must apply online at [jobs.vt.edu](http://jobs.vt.edu) (posting number 527325). Application materials include a cover letter, CV, up to three relevant research publications, and contact information for at least three professional references. In addition, applicants must provide a research statement and a statement of teaching and mentoring philosophy (up to 3 pages each) including the candidate's ideas for supporting an equitable and inclusive educational environment consistent with the Virginia Tech Principles of Community; specific examples of experiences, activities, and plans will help us identify candidates who can support and extend our University's commitment to inclusive excellence. Review of applications will commence on December 4, 2023 and continue until the position



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is filled. Questions regarding the position should be directed to Dr. Stanley Grant at [stanleyg@vt.edu](mailto:stanleyg@vt.edu) (703-361-5606).

The department fully embraces Virginia Tech's Commitment to increase faculty, staff and student diversity; to ensure a welcoming, affirming, safe and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and need an accommodation, please contact Arthur Grocholski at [artgrocholski@vt.edu](mailto:artgrocholski@vt.edu) (703-361-5606).