Faculty in Urban & Coastal Flood Modeling (Tenure Track/Tenured)
Old Dominion University

Job Title	Faculty in Urban & Coastal Flood Modeling (Tenure Track/Tenured)
Department	CIVIL & ENVIRON ENGINEERING
Institution	Old Dominion University Norfolk, Virginia
Date Posted	Dec. 19, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professor
Academic Field(s)	Water Resources Engineering Civil Engineering
Job Website	https://jobs.odu.edu/postings/22409
Apply By Email	

Job Description

The Department of Civil & Environmental Engineering (CEE) at the Frank Batten College of Engineering & Technology (BCET) at Old Dominion University in Norfolk, VA, is inviting applications for a tenure track/tenured faculty position in Urban & Coastal Flood Modeling starting in Fall 2025 to support its Coastal Engineering program. This is an annual 10-month annual appointment to be made at the Assistant, Associate, or Full Professor rank, dependent on experience.

BCET is strategically investing to enhance and expand its already recognized coastal resilience research program, both nationally and internationally. This faculty position is aimed to strengthen and expand the CEE's coastal engineering research expertise while increasing sponsored research in a multidisciplinary field. The focus is on **understanding and mitigating the impacts of flooding in urban and coastal areas.** The appointee will also play a key role in supporting and promoting the

Faculty in Urban & Coastal Flood Modeling (Tenure Track/Tenured)
Old Dominion University

growth of various educational programs including the Coastal Engineering Certificate Program (CECP) in the CEE Department.

The Hampton Roads region is highly vulnerable to the effects of sea level rise and extreme weather events, which significantly elevate the risk of both temporary and permanent flooding. These events pose severe threats to infrastructure, personal properties, and regional economies. The goal is to enhance flood prediction capabilities, improve early warning systems, and support resilient urban planning particularly for coastal regions.

The position requires strong research track possessing expertise in flood modeling and simulations to develop advanced computational flood models for urban and coastal areas and establish an externally funded research program. The candidate will apply advanced computational methods in some of the following areas in their research:

1. Computational fluid mechanics.
2. Hydrology and/or Coastal Engineering.
3. Remote sensing.
4. Artificial intelligence and machine learning.

Other Responsibilities:

1. Develop and teach courses in Civil Engineering.
2. Advise students.
3. Serve on committees.
4. Demonstrate a passion for student success, recruitment, and retention.

The position provides opportunities to develop research collaborations with several partners, including the Institute for Coastal Adaptation and Resilience (ICAR), the School of Data Science, the School of Public Service in the Strome College of Business, Virginia Modeling Analysis & Simulation Center (VMASC), the newly established Institute for Autonomous & Connected Systems (IACS), and local government agencies such as the City of Norfolk and Naval Facilities.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Faculty in Urban & Coastal Flood Modeling (Tenure Track/Tenured)
Old Dominion University

Contact

,