

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

Direct Link: <https://www.AcademicKeys.com/r?job=250700>

Downloaded On: Aug. 5, 2025 1:38pm

Posted Dec. 19, 2024, set to expire Nov. 1, 2025

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

**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

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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.

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**Contact**

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