

Assistant or Associate Research Professor of Green
Infrastructure for the Institute for Coastal Adaptation &
Resilience (Non-Tenure Track)
Old Dominion University

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Posted Oct. 27, 2023, set to expire Oct. 31, 2024

Job Title Assistant or Associate Research Professor of Green
Infrastructure for the Institute for Coastal Adaptation
& Resilience (Non-Tenure Track)

Department COASTAL RESILIENCY AUTHORITY

Institution Old Dominion University
Norfolk, Virginia

Date Posted Oct. 27, 2023

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Research Professor
Assistant Professor
Associate Professor

Academic Field(s) Environmental Sciences/Ecology/Forestry

Job Website <https://jobs.odu.edu/postings/19707>

Apply By Email

Job Description

The Institute for Coastal Adaptation & Resilience (ICAR) advances the practice of coastal resilience and adaptation by engaging with communities, organizations, and businesses to develop and deploy solutions based on integrated, innovative, and applied research. This position is part of the launch of a unique collaboration with the Chesapeake Bay Foundation (CBF).

In support, ODU is hiring a **12-month research professor (associate or assistant rank) with an interest in green infrastructure**. The ideal candidate may come from a variety of disciplines, as long as their focus includes some aspect of planning for, designing, engineering, financing, permitting, and/or implementing green infrastructure solutions at local or state levels. The candidate will join a

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cohort of research faculty that unites the resources of ODU and CBF to assist localities, communities, organizations, and businesses in meeting the Commonwealth of Virginia's coastal resilience goals. They will join existing ICAR-CBF research faculty in coastal engineering and urban ecology, and an additional faculty member to be hired focusing broadly on resilience economics and/or financing. ICAR and CBF identified these areas of need in collaboration with stakeholders to fill critical gaps in innovation and technical assistance needed to build resilience and support adaptation at the local, regional, and state levels.

We seek a faculty member who is enthusiastic about applying their knowledge and skills from their field to help partner communities maximize their use of green infrastructure. **Past experience and disciplinary background could come from planning, natural resource management, design, hydrology, engineering, environmental science, or related fields.** Most importantly, the successful candidate should be passionate about conducting applied research and translating science to action to assist localities, communities, organizations, and businesses with making measurable progress toward resilience and adaptation goals that maximize the use of natural and nature-based features. This faculty hire will work collaboratively as part of an ICAR research faculty cohort and with other ODU teaching and research faculty, CBF, other ICAR partners, and end users across Virginia to:

- Co-produce applied resilience and adaptation research with ODU faculty, ICAR partners, and stakeholders;
- Identify innovative opportunities for resilience and adaptation engineered projects reducing natural hazard and climate change risk and assist localities with applying for grants to fund and implement these projects, with a focus on innovations that promote or layer natural and nature-based features grounded in the realities of how to stack financing for resilience projects;
- Identify novel ways to calculate the benefits and costs of resilience and adaptation projects and to fund such projects, including valuing equity and natural and nature-based features;
- Provide technical assistance and training to localities and organizations focusing on (1) integrating plans and practices to improve resilience and implement climate change adaptation and on (2) scoping and designing community-scale resilience and adaptation projects;
- Conduct design charrettes, knowledge exchanges, and engagements in communities on resilience and adaptation;
- Translate scientific and technical information for use by stakeholders in funding and implementing applied projects; and,
- Document best practices and progress in the scholarly and applied literature.

About ODU: Located in Norfolk, Virginia, Old Dominion University (www.odu.edu) is a state-supported, entrepreneurial-minded Carnegie "R1: Doctoral Universities - Very high research activity" institution with over 24,000 students (of which almost 5,000 are graduate students) and 900 full-time

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faculty. Norfolk is a culturally rich, historic city and a major international maritime center in Hampton Roads, a metropolitan area of over 1.5 million people. The Hampton Roads region is extremely vulnerable to sea level rise, yet also home to the world's largest natural deep water port and third largest port on the East Coast, the Atlantic headquarters of NATO, and Naval Station Norfolk, which houses the U.S. Navy and U.S. Fleet Forces Command. This provides faculty with unique opportunities for deep, long-term engagement on resilience and adaptation by living and working as a part of these communities.

About the Institute for Coastal Adaptation & Resilience: ICAR was launched by an interdisciplinary group of faculty in 2018 to leverage over eight years of ODU investment and leadership in coastal adaptation and resilience scholarship. Buoyed by a \$3 million endowment by Joan Perry Brock, ICAR hired an executive director in 2021 and embarked on an organization process to build an interdisciplinary center focused on leading fundamental and applied research, education, and engaged partnerships to develop practical solutions to the challenges coastal communities face. In 2023, ICAR is launching a faculty, student, and community partner affiliation program focused on sea level rise and climate science, social science and policy, flooding and built environments, and the health dimensions of coastal resilience. ICAR catalyzes the action needed to build vibrant communities, strong economies, and healthy ecosystems across the Commonwealth of Virginia despite natural hazards and climate change.

About the Chesapeake Bay Foundation: The Chesapeake Bay Foundation is a nonprofit organization dedicated to saving the Chesapeake Bay, with more than 91,000 members around Virginia. The CBF advocates for effective, science-based solutions to pollution impacting the Bay, its rivers, and its streams. CBF engages on climate resilience and adaptation in recognition that climate change and its resulting impacts could lead to additional pollution loads to the Bay. As Virginia's localities, organizations, businesses, and people act to implement solutions that reduce climate change risk, CBF seeks to ensure that these actions also benefit the outcome of Virginia's clean water blueprint (<https://www.cbf.org/how-we-save-the-bay/chesapeake-clean-water-blueprint/state-watershed-implementation-plans/virginia/index.html>). This ICAR-CBF research faculty cohort will play a critical role in ensuring that fundamental and applied research informs decision-making on climate resilience and adaptation action throughout coastal Virginia. Successful candidates will be able to work across ODU and CBF, as well as the numerous localities, organizations, state agencies, and businesses that partner with ICAR and CBF.

Contact Information

Please reference Academickeys in your cover letter when



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Contact

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