

Open Rank Professor - Coastal Engineering and Climate
Driven Hazards
Florida International University

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Posted Jan. 23, 2024, set to expire May 24, 2024

Job Title	Open Rank Professor - Coastal Engineering and Climate Driven Hazards
Department	Department of Civil and Environmental Engineering
Institution	Florida International University Miami, Florida
Date Posted	Jan. 23, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Ecological and Environmental Civil Engineering
Apply Online Here	https://facultycareers.fiu.edu

Apply By Email

Job Description

Florida International University is Miami's public research university, focused on student success. According to U.S. News and World Report, FIU has 42 top-50 rankings in the nation among public universities. FIU is a top U.S. research university (R1), with more than \$200 million in annual expenditures. FIU ranks 15th in the nation among public universities for patent production, which drives innovation, and is one of the institutions that helps make Florida the top state for higher education. The [Next Horizon](#) fundraising campaign is furthering FIU's commitment to providing students Worlds Ahead opportunities. Today, FIU has two campuses and multiple centers, and supports artistic and cultural engagement through its three museums: [Patricia & Phillip Frost Art Museum](#), the [Wolfsonian-FIU](#), and

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the [Jewish Museum of Florida-FIU](#). FIU is a member of [Conference USA](#), with more than 400 student-athletes participating in 18 sports. The university has awarded more than 330,000 degrees to many leaders in South Florida and beyond. For more information about FIU, visit www.fiu.edu.

Open Rank Professor - Coastal Engineering and Climate Driven Hazards

Florida International University (FIU) in Miami, Florida (<http://www.fiu.edu/>) is searching for an Assistant, Associate, or Full Professor with research and teaching interests in coastal engineering and holistic wave-driven processes and methodologies to foster coastal climate resilience. This tenure-track position will focus particularly on coastal engineering aspects of hurricanes and the interactions between wave, storm surge, and wind action, and their combined effects on the built environment and human communities. Expertise in wave-surge-current-wind interaction, impacts on and damage to coastal infrastructure, increased hazards under a changing climate, and simulations of coastal hazards through experimentation at large scales is highly desirable.

The successful applicant will have the opportunity to engage with a multi-organizational group collaborating on a multi-year (2022-2026) “design and prototype” project supported by the National Science Foundation’s Mid-scale Research Infrastructure (MsRI-1) program: “National Full-Scale Testing Infrastructure for Community Hardening in Extreme Wind, Wave, and Surge Events (NICHE)”

https://www.nsf.gov/awardsearch/showAward?AWD_ID=2131961&HistoricalAwards=false.

The tenure home for the successful applicant is expected to be the Department of Civil and Environmental Engineering (<https://cee.fiu.edu/>) in the FIU College of Engineering and Computing (<https://cec.fiu.edu/>). The successful applicant will join, as a core faculty member, the transdisciplinary Extreme Events Institute (<https://eei.fiu.edu/>), which is a university-wide institute reporting to the Senior Vice President for Research and Economic Development. The CEE and EEI faculty are involved in several major research centers and laboratories that offer unparalleled research opportunities, including with the Wall of Wind ([WOW](#)), an NSF-designated “Experimental Facility” (EF) within the Natural Hazards Engineering Research Infrastructure (NHERI) program, and the Wind Hazard and Infrastructure Performance Center ([WHIP](#)), an NSF Industry/University Cooperative Research Center (I/UCRC). This unique research environment allows multiple collaborations with faculty across the university, including with three of FIU’s “Preeminent Programs” – the Extreme Events Institute, the Institute for Resilient and Sustainable Coastal Infrastructure ([InteRaCt](#)), and the Institute of Environment (IoE).

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In close collaboration with the Department of Civil and Environmental Engineering, FIU's Extreme Events Institute will coordinate the search. The target start date is August 2024, but a different start date may be considered.

Applicants should be committed to research, teaching, and service, and to diversity, equity, and inclusion. Candidates should show experience in, or high potential for, external funding. Applicants must have an earned doctoral degree in civil or coastal engineering or a closely related discipline at the time of appointment. Industrial experience and/or collaboration experience with industry partners will be a plus. Registration as a Professional Engineer in Florida (or the ability to obtain such licensure within four years of employment) is preferred. Responsibilities will include teaching at both the undergraduate and graduate levels, directing graduate students, and establishing an externally funded research program in the area of expertise.

Florida International University is Miami's public research university, focused on student success. FIU is the fastest-rising university in the past 10 years in the *U.S. News & World Report's* public university rankings, and FIU is currently ranked 72nd. FIU is designated a Carnegie "R1" Very High Research Activity and is top 10 in the past decade in research expenditure growth among Carnegie R1 public universities. FIU is also ranked among the top 15 most innovative public universities in *U.S. News & World Report's* annual rankings, is top 20 for patents among U.S. public universities, and has had over \$1 billion in research expenditures in the last five years (\$246M in 2021). FIU is among the top five largest universities in the United States serving 60,000 students from diverse backgrounds and produces the largest number of Hispanic graduates in the nation. The [Next Horizon](#) fundraising campaign is furthering FIU's commitment to providing students Worlds Ahead opportunities. Today, FIU has two campuses and multiple centers, and supports artistic and cultural engagement through its three museums: the [Patricia & Phillip Frost Art Museum](#), the [Wolfsonian-FIU](#), and the [Jewish Museum of Florida-FIU](#). FIU is a member of [Conference USA](#), with more than 400 student-athletes participating in 18 sports. The university has awarded more than 330,000 degrees to many leaders in South Florida and beyond. For more information about FIU and FIU CEE, visit www.fiu.edu and cee.fiu.edu.

Qualified candidates are encouraged to apply to **Job Opening ID531413** at <https://facultycareers.fiu.edu> and submit a single PDF file that includes:

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- a. Cover letter
- b. Curriculum vitae
- c. Statement of research experience and interests (up to 2 pages)
 - o It is also encouraged to submit a research statement for the “general public” in addition to the “professional” research statement so that non-experts can properly understand the importance of the candidate’s research.
- d. Statement of teaching experience and interests (up to 2 pages)
- e. A list of names and contact information of at least 3 references who will be contacted as determined by the search and screen committee.

To receive full consideration, applications should be received by February 12, 2024. Reviews may continue until the positions are filled.

FIU is a member of the State University System of Florida and an Equal Opportunity, Equal Access Affirmative Action Employer all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Contact Information

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

Contact

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