

Empire Innovation Professor (Associate Professor) -
Offshore Wind Energy - Department of Civil Engineering,
College of Engineering and Applied Sciences
Stony Brook University

Direct Link: <https://www.AcademicKeys.com/r?job=250304>

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Posted Dec. 11, 2024, set to expire Apr. 4, 2025

Job Title Empire Innovation Professor (Associate Professor) -
Offshore Wind Energy - Department of Civil
Engineering, College of Engineering and Applied
Sciences

Department Civil Engineering

Institution Stony Brook University
Stony Brook, New York

Date Posted Dec. 11, 2024

Application Deadline 03/28/2025

Position Start Date Available immediately

Job Categories Associate Professor

Academic Field(s) Civil Engineering

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Job Description

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**Empire Innovation Professor (Associate Professor) - Offshore Wind Energy - Department of
Civil Engineering, College of Engineering and Applied Sciences**

Location: Stony Brook, NY

Open Date: Nov 26, 2024

Deadline: Mar 28, 2025 at 11:59 PM Eastern Time

Description

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The Department of Civil Engineering at Stony Brook University (SBU) invites applications from outstanding faculty candidates for a full-time tenure-track Associate Professor position with research interests in the area of offshore wind energy. Desired areas of offshore wind energy expertise include, but are not limited to: offshore/coastal geotechnics; soil/structure interaction; offshore foundation systems; fluid-structure interaction; floating and/or fixed-bottom wind turbines; floating and/or fixed-bottom offshore wind structures; mooring systems; tower and/or blade structural design, manufacturing and/or testing; response and monitoring of offshore wind turbines; artificial intelligence for offshore wind turbines or marine structures; multidisciplinary design optimization; and structural reliability of offshore wind structures. Candidates whose research goes beyond offshore wind to include marine energy are of high interest. Applicants with cross-disciplinary training and research activity are particularly preferred. Computational, experimental or combined backgrounds are welcome.

Responsibilities for the position include developing and sustaining a robust externally funded research program, pursuing high-impact scholarly research, developing and teaching undergraduate and graduate courses as part of the civil engineering curricula, advising and guiding undergraduate and graduate students, help advance the department's research and academic portfolio, and becoming engaged in departmental/institutional and external/professional service.

This position is supported by [SUNY's Empire Innovation Program](#) (EIP), which aims to recruit faculty with strong track records or research accomplishments to expand SUNY's capacity in strategic priority areas. As such, applicants to this EIP hire are expected to be leaders in their field with international reputation for outstanding research, with established track records of scholarly achievements, high-impact publications, and significant research funding. Candidates applying for this position should have demonstrated outstanding scholarly research or industry experience, specifically in the area of wind energy, and provide evidence of teaching excellence. The successful candidate should demonstrate a sustained level of excellence in research, teaching and service in a university setting similar to SBU and commensurate with the appointment at the associate professor level with tenure.

This search is part of SBU's strategic initiatives to strengthen its mission to develop solutions in response to the harmful effects of climate change. SBU is the anchor institution for the [New York Climate Exchange](#), a first-of-its-kind international center for developing and deploying dynamic solutions to our global climate crisis. The "[Collaborative for the Earth](#)" is a multi-disciplinary "action-tank" that seeks to develop solutions in response to the harmful effects of climate change and in abatement of existential risks to the living world's interconnected life-supporting systems. Stony Brook University supports strong interdisciplinary collaborations between researchers in the College of Engineering and Applied Sciences, the College of Arts and Sciences, the School for Marine and Atmospheric Sciences, and the Institute for Advanced Computational Science.

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The College of Engineering and Applied Sciences and Stony Brook University are committed to build a culture of diversity, equity, and inclusion that provides a welcoming environment to everyone by fostering a respectful and tolerant community of scholars. The recruitment of faculty with diverse talents, skills, backgrounds, and experiences is thus of particular importance.

Qualifications

Required Qualifications:

A Ph.D. degree (or foreign equivalent) in civil engineering, structural engineering, mechanical engineering, wind energy, or a closely related field. A distinguished and sustained record of scholarly research accomplishments, including high-impact publications and significant research funding. A well-established international reputation in the area of wind energy, evidenced by a proven track record of leadership in the field. Experience in a university or research environment, with a demonstrated ability to develop and lead high-quality, innovative research programs. Proven excellence in teaching and mentoring students at the undergraduate and graduate levels.

Preferred Qualifications:

Expertise in the following areas of wind energy as they relate to civil engineering: offshore/coastal geotechnics; soil/structure interaction; offshore foundation systems; fluid-structure interaction; floating and/or fixed-bottom wind turbines; floating and/or fixed-bottom offshore wind structures; mooring systems; tower and/or blade structural design, manufacturing and/or testing; response and monitoring of offshore wind turbines; artificial intelligence for offshore wind turbines or marine structures; multidisciplinary design optimization; and structural reliability of offshore wind structures. Research experience that extends beyond offshore wind to include marine energy. Cross-disciplinary training and research experience. Industry experience or collaborative partnerships related to wind energy or the candidate's specific field of expertise. A Professional Engineer's (PE) license or the potential to obtain one. Ability to foster synergy within the Department of Civil Engineering, leveraging existing expertise to enhance interdisciplinary research and innovation. A strong record of service and leadership within the academic community, including committee work, outreach, and professional development activities.

Application Instructions

To apply, visit <http://apply.interfolio.com/158747>.

Applications received by **January 15, 2025**, will receive full consideration. Candidates who apply after **January 15, 2025**, will be considered on a rolling basis until the position is filled.

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Applicants need to electronically submit the following required documents listed below. Please apply here with the requested documents:

- 1) Cover letter
- 2) Curriculum Vitae
- 3) Research statement
- 4) Sponsored-Research-Funding List
- 5) Teaching Statement
- 6) Diversity Statement
- 7) Three (3) representative research publications
- 8) Four (4) professional references contact information

All application materials must be submitted online. Please use the Apply Now button to begin your application. For technical support, visit Interfolio's Support Site (<https://support.interfolio.com/>) or reach out to their Scholar Service Team at help@interfolio.com or (877) 997-8807.

Applicant inquiries can be emailed to: Ms. Lisa Remo, lisa.remo@stonybrook.edu.

Department Description: The Department of Civil Engineering at Stony Brook University was established in 2012 and is one of nine academic departments within the College of Engineering and Applied Sciences. The department currently has 10 tenure-system faculty members, with approximately 165 undergraduate and 45 graduate students. Our faculty have a diverse range of expertise and multidisciplinary training, driving innovation and excellence in both research and teaching. Guided by a forward-thinking philosophy, they are dedicated to solving pressing challenges in civil infrastructure and the environment, making discoveries that expand the role and impact of civil engineering, and educating the next generation of professionals and leaders in the field.

As one of the only two comprehensive (Bachelors to Ph.D.) civil engineering programs within the State University of New York, the Department of Civil Engineering at SBU is playing a key role in addressing critical infrastructure challenges regionally and globally. The department is a partner of the New York State (NYS) Center for Clean Water Technology, the NYS Infrastructure, Transportation, and Security

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Center, and the Atlantic Marine Energy Center. Faculty also have the opportunity to collaborate with researchers in the Center of Excellence in Wireless and Information Technology (CEWIT), the Advanced Energy Research and Technology Center (AERT), the Institute for Advanced Computational Science, and the AI Innovation Institute.

Home to many highly ranked graduate research programs, Stony Brook University is ranked as the top public university in New York and #58 among national universities. Located 60 miles from New York City on Long Island's scenic North Shore, our 1,100-acre campus is home to nearly 26,000 undergraduate, graduate, and doctoral students and more than 13,500 faculty and staff, including those employed at Stony Brook University Medical Center, Suffolk County's only academic medical center. The University is a member of the prestigious Association of American Universities and co-manager of nearby Brookhaven National Laboratory (BNL), a multidisciplinary research laboratory supporting world-class scientific programs utilizing state-of-the-art facilities such as the Relativistic Heavy Ion Collider, the National Synchrotron Light Source II, the Center for Functional Nanomaterials, and the New York Blue IBM BG/L P supercomputer. Stony Brook is a partner in managing the Laboratory for the Department of Energy and is the largest institutional scientific user of BNL facilities. As such, many opportunities exist for collaborative research.

Special Notes:

This is a tenure-track position. FLSA Exempt position, not eligible for overtime. Internal and external search to occur simultaneously.

Anticipated Start Date: Fall 2025

Stony Brook University is committed to creating and maintaining a workplace and educational environment that is safe, accessible, and free of all forms of discrimination, sexual misconduct or research misconduct, among other infractions. In support of this commitment, certain candidates for employment will be required to disclose such employment-related misconduct findings and pending investigations or proceedings, and final candidates for certain faculty and staff positions will authorize their current and previous employer(s) from the last seven (7) years to disclose such information to the University. Employment is contingent on your full and complete disclosure on these matters. In the event that you fail to disclose any such matter or in the event of an unsatisfactory outcome of the disclosure and review process, an offer of employment may be revoked at SBU's sole discretion. If SBU becomes aware of a failure to disclose or misrepresentation of any such matter after your employment commences, you may be subject to discipline, up to and including termination.

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The selected candidate must successfully clear a background investigation.

In accordance with the Title II Crime Awareness and Security Act, a copy of our crime statistics is available upon request . It can also be viewed online at the University Police website at <http://www.stonybrook.edu/police>.

Stony Brook University is committed to excellence in diversity and the creation of an inclusive learning, and working environment. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, familial status, sexual orientation, gender identity or expression, age, disability, genetic information, veteran status and all other protected classes under federal or state laws.

Contact Information

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

Contact

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