

Assistant Professor (tenure track), Intelligent and Resilient
Civil Infrastructure, Civil Engineering - College of
Engineering and Applied Sciences
Stony Brook University

Direct Link: <https://www.AcademicKeys.com/r?job=250305>

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

Job Title Assistant Professor (tenure track), Intelligent and
Resilient Civil Infrastructure, 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 03/01/2025

Position Start Date Available immediately

Job Categories Assistant Professor

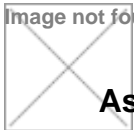
Academic Field(s) Civil Engineering

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Job Description

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**Assistant Professor (tenure track), Intelligent and Resilient Civil Infrastructure, Civil
Engineering - College of Engineering and Applied Sciences**

Location: Stony Brook

Open Date: Nov 21, 2024

Deadline: Mar 01, 2025 at 11:59 PM Eastern Time

Description

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The Department of Civil Engineering at Stony Brook University seeks faculty candidates for a tenure-track appointment at the assistant professor rank under the theme of intelligent and resilient civil infrastructure. It is of interest to recruit a faculty member conducting research in one or more of the following areas: smart cities, intelligent infrastructure, next-generation transportation systems, integrated artificial intelligence (AI) and machine learning (ML) systems, cyber-physical systems, instrumented/monitored infrastructure, sustainable and resilient infrastructure, urban hydrology, flooding, hazard and risk assessment, and infrastructure system performance. Of highest interest are candidates whose research combines expertise in emerging areas within the civil engineering domain, and/or who are performing unique transdisciplinary research to address pressing civil engineering challenges and define new disciplinary frontiers.

The Assistant Professor will be responsible for providing comprehensive undergraduate, graduate, and professional education in their field of expertise in alignment with the departmental academic programs to produce the next generation of Civil Engineering professionals. They will advise dissertation research of undergraduate, master's, and doctoral students. They will guide the student's professional preparation and career development under their mentorship. They will engage in scholarly research and publications in their field. They will develop independent or collaborative grant proposals to support their research and students under their mentorship. They will help advance the department's research and academic portfolio. The Assistant Professor will also perform departmental and university services such as assigned by the department chair.

Qualifications

Required Qualifications:

A Ph.D. degree (or foreign equivalent) in civil engineering or a closely related field in hand by July 2025. Experience in one or more of the following areas: smart cities, intelligent infrastructure, next-generation transportation systems, integrated artificial intelligence (AI) and machine learning (ML) systems, cyber-physical systems, instrumented/monitored infrastructure, sustainable and resilient infrastructure, urban hydrology, flooding, hazard and risk assessment, and infrastructure system performance. Experience with developing a robust externally funded research program. Experience with pursuing high-impact scholarly research. Experience teaching undergraduate and graduate courses as part of the civil engineering curricula. Experience advising and guiding students. Ability to engage in outreach and professional activities.

Preferred Qualifications:

A professional engineer's license, or the potential to obtain one. Research experience combining expertise in emerging areas within the civil engineering domain. Experience with transdisciplinary

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research to address pressing civil engineering challenges and define new disciplinary frontiers.

Application Instructions

To apply, visit <http://apply.interfolio.com/158759>.

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.

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) Teaching Statement
- 5) Diversity Statement
- 6) Three (3) representative research publications
- 7) 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.

Review of applications will begin on **January 15, 2025** and will continue on a rolling basis until the position is filled. The position is expected to begin in the fall 2025 academic semester.

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

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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 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.

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.

SBU campus Description: Stony Brook University, one of four research-intensive campuses within the State University of New York (SUNY) system, is widely regarded as its flagship. The University embraces its mission to provide comprehensive undergraduate, graduate, and professional education of the highest quality, and its rankings bear that out. It's included among the top 1% of universities in the world by the 2018 QS World University Rankings and among the top 26 public universities by U.S. News & World Report's 2024 Best Colleges rankings. It is a member of the prestigious Association of American Universities, composed of the top 62 research institutions in North America. As Long Island's largest single-site employer, Stony Brook has nearly 15,000 full and part-time employees, including more than 2,700 faculty. It enrolled roughly 26,800 students in fall 2019 - 17,900 undergraduate students and 8,900 graduate students - and offers more than 200 majors, minors, and combined-degree programs. The Department of Athletics supports 18 Division I varsity intercollegiate athletic programs that compete at the highest level within the NCAA. Located approximately 60 miles east of Manhattan on Long Island's beautiful North Shore, Stony Brook is situated on 1,454 wooded acres, encompassing 13 schools and colleges; a Research and Development Park; world-class athletics facilities, including an 8,300-seat stadium and a 4,000-seat arena; and Stony Brook Medicine, Long Island's premier academic medical center. Also, part of the University is a teaching and research campus in Southampton, New York, which offers graduate arts programs and is the site of the Marine

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Sciences Center. In addition, Stony Brook has a role in running, and performs joint research with, Brookhaven National Laboratory (BNL), the only Department of Energy Laboratory in the Northeast. Home to the Emerson String Quartet, the Pollock Krasner House in East Hampton, NY, and the Humanities Institute, with endeavors that extend to the Turkana Basin Institute in Kenya and the Ranomafana National Park in Madagascar, Stony Brook sustains an international reputation that cuts across the arts, humanities, social sciences, and natural sciences.

Special Notes:

This is a tenure-track position. FLSA Exempt position, not eligible for overtime.

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.

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.

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Contact Information

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

Contact

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