The LIINES (Laboratory for Intelligent Integrated Networks
of Engineering Systems) at the School of Systems and
Enterprises
Stevens Institute of Technology

Job Title	The LIINES (Laboratory for Intelligent Integrated Networks of Engineering Systems) at the School of Systems and Enterprises
Department	
Institution	Stevens Institute of Technology Hoboken, New Jersey
Date Posted	Nov. 29, 2023
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Ecological and Environmental Civil Engineering Engineering - Other
Job Website	https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-NJ---Main-Campus/The-LIINES--Laboratory-for-Intelligent-Integrated-Networks-of-Engineering-Systems--at-the-School-of-Systems-and-Enterprises_RQ27606
Apply By Email	
Job Description	

Job Description

This postdoctoral research position is funded by a recently award project entitled: Collaborative Research: GCR: Convergent Anthropocene Systems (Anthems) - A System-of-Systems Paradigm. The project will develop a systems-of-systems (SoS) convergence paradigm that includes an SoS

computational framework, an SoS decision-support system, and an SoS pedagogy, enabling diverse stakeholders to integratively address the suite of societal challenges of the Anthropocene (e.g., climate change and impacts, renewable energy, adaptive infrastructure, disasters, pandemics, food insecurity, biodiversity loss) and catalyzing a major transformation in our national and global approach to science and engineering. We will develop, implement, and validate our SoS convergence paradigm in close collaboration with the Chesapeake Bay Program (CBP), focusing on the Chesapeake Bay Watershed (CBW) region. The CBP is a consortium of governmental and non-governmental entities that manage the CBW, and through their committee structure and outreach provide an avenue for effective stakeholder engagement. The CBW is home to over 17 million people and the CBP stakeholder community needs integrated modeling tools to examine synergies (e.g., nutrient reduction and flood risk mitigation) and tradeoffs (e.g., nutrient reduction and fish productivity) across multiple systems. Together, the CBW and the CBP provide a real-world testbed for the SoS convergence paradigm, enabling us to bring together intellectually-diverse researchers to address multiple interdependent societal challenges (eutrophication, food and agriculture, and economic growth) by integrating across multiple systems (watershed, land use, economic, estuary and governance) and multiple disciplines (environmental engineering, city and regional planning, planning policy and design, civil engineering, geography, industrial and systems engineering, political economy and public policy).

Department

School of Systems and Enterprises

General Submission Guidelines:

Please submit an online application to be considered a candidate for any job at Stevens. Please attach a cover letter and resume with each application. Other requirements for consideration may depend on the job.

Academic Submission Guidelines:

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Please submit:

- Cover letter

- Curriculum vitae

- Research statement

- Teaching statement that includes a) teaching interests, b) teaching philosophy, and c) a plan on how to create an inclusive environment for students of all backgrounds in terms of classroom teaching, student advising, and graduate student mentoring

- Contact info for at least 2-3 references (school-specific; please refer to job posting)

Still Have Questions?

If you have any questions regarding your application, please contact Jobs@Stevens.edu.

EEO Statement:

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In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (Clery Act), the Department of Public Safety is required to publish an annual security

report which includes statistics mandated by the Clery Act. Click here for a copy of this report.

Contact Information

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

Contact

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