

Postdoctoral Associate-Systems Engineering
Stevens Institute of Technology

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Posted Oct. 29, 2025, set to expire Jul. 25, 2026

Job Title Postdoctoral Associate-Systems Engineering
Department Systems Engineering
Institution Stevens Institute of Technology
Hoboken, New Jersey

Date Posted Oct. 29, 2025

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Post-Doc

Academic Field(s) Electrical and/or Electronics
Computer Engineering
Mechanical Engineering

Job Website https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-NJ---Main-Campus/Postdoctoral-Associate-Systems-Engineering_RQ29678-1

Apply By Email

Job Description

POSTDOCTORAL ASSOCIATE, *Systems Engineering*, to join the [Laboratory for Intelligent Integrated Networks of Engineering Systems](#). The **LIINES** is devoted to the sustainable and resilient transformation of intelligent multi-energy engineering systems. The focus of this project includes assessing the socio-technical potential for transactive energy communities. The post-doc will be responsible for the instrumentation, communication and actuation system design including refining the system and for the socio-technical energy behavior predication phase of the project.

Candidates with expertise in machine learning, predictive maintenance and control algorithms who are

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enthusiastic about applying data-driven techniques to mechatronic system hardware are encouraged to apply. Projects are expected to be interdisciplinary and involve collaboration with internal and external colleagues.

Job Requirements

Required: A PhD degree in systems/mechanical/electrical engineering or related fields with a strong background in hardware development and practical implementation experience. The candidate should have demonstrated competence in one or more areas in (i) in-depth theoretical knowledge of data-driven algorithm development and control theory, (ii) practical coding capability for implementation of efficient algorithms using various architectures, (iii) interested in performing independent research to apply data-driven algorithms to solve practical problems, (iv) prior publication or project experience in predictive maintenance, (v) hands-on experience implementing algorithms on resource-constrained mechatronic hardware platforms. The candidate should also possess strong organizational and planning skills to execute research tasks in a coordinated manner; proficient writing and presentation skills to disseminate research results to both experts in the fields and generic public; and the capacity to work in a diverse team with multiple research groups and mentor junior researchers.

Department

Systems Engineering

Compensation Range

In compliance with the New Jersey Wage Transparency Act, the annual base range for this position is \$65,000 - \$75,000. This range represents the University's good faith estimate of possible compensation at the time of posting. Stevens Institute of Technology determines compensation based on factors including the position's scope and responsibilities, the candidate's experience, education, skills, internal equity, market data, and organizational considerations. The final salary will be set considering departmental budget, qualifications, and relevant credentials. This pay range represents base pay only and excludes additional forms of compensation, such as incentives, stipends, or other applicable pay components. For a full overview of our benefits offerings, please refer to the Stevens Institute of Technology Benefits Guidebook, available at:

[Benefits Guidebook](#)

General Submission Guidelines:

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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.

Still Have Questions?

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

Contact Information

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

Contact

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