

Physical Systems Modeler
Stevens Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=232454>

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Posted Mar. 6, 2024, set to expire Jul. 12, 2024

Job Title Physical Systems Modeler

Department

Institution Stevens Institute of Technology
Hoboken, New Jersey

Date Posted Mar. 6, 2024

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Professional Staff

Academic Field(s) Engineering Physics
Computer Science
Engineering - Other

Job Website https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-NJ---Main-Campus/Physical-Systems-Modeler_RQ27830

Apply By Email

Job Description

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Prepares computer by installing and modifying system software. Education: Bachelors Degree in a technical field.

An individual is sought with experience developing mathematical models for physical systems. Experience modeling aerodynamic or hydrodynamic systems is a strongly desired. The initial task will be to analyze time series data to develop a predictive model covering the entire range of operating conditions tested. The individual will be required assess the quality of each data set and make appropriate adjustments for timing. While there are some guidelines for the form of the model,

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hypothesizing different formulas and possible memory effects is part of the task, not just executing a fitting process. A black-box model is not an acceptable solution as what is being sought is a physical explanation for the observed process. The data set consists of multiple time series where each series contains many repeated occurrence of an event of interest. frequency and magnitude of the event is varied over many time series. The event is characterized by a waveform and the conditions causing the waveform. The relationship characterizing the relationship between the test conditions and the waveform is sought. An undergraduate degree in an engineering or scientific discipline is required.

Department

Coastal Engineering Design

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.

Still Have Questions?

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

EEO Statement:

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NSF ADVANCE Institution Stevens values diversity and seeks candidates who will contribute to a welcoming and inclusive environment for students, faculty, and staff of all backgrounds. We are an NSF ADVANCE institution committed to equitable practices and policies and strongly encourage applications from women, racial and ethnic minority candidates, veterans, and individuals with disabilities.

Jeanne Clery Disclosure:

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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