

Postdoctoral Associate Stony Brook University

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Posted Sep. 29, 2024, set to expire Jan. 29, 2025

Job Title Postdoctoral Associate
Department Mechanical Engineering
Institution Stony Brook University
Stony Brook, New York

Date Posted Sep. 29, 2024

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Post-Doc

Academic Field(s) Textile Engineering
Robotics
Polymer Science
Mechatronics
Mechanical Engineering
Material/Metallurgy
Manufacturing & Quality Engineering
Engineering Mechanics
Electrical and/or Electronics
Bioengineering (all Bio-related fields)
Engineering - Other

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Email**

**Job
Description**

Postdoctoral Associate

Required Qualifications: (as evidenced by an attached resume)

PhD (or foreign equivalent) in Mechanical Engineering, Materials Science, Chemical Engineering, Electrical Engineering, Biomedical Engineering, or a closely related field in hand by the start of the appointment.

Preferred Qualifications:

Three (3) years of research experience in at least one of the following areas: nanomaterials, sensors, actuators, soft robotics, flexible/stretchable electronics, advanced manufacturing. Interdisciplinary background is a plus.

Brief Description of Duties:

The Postdoctoral Associate will assist the Principal Investigator ([Dr. Shanshan Yao](#)) in the [Department of Mechanical Engineering](#) at Stony Brook University with the supervision and management of laboratory activities. The incumbent will conduct scientific research and ensure that all experiments are appropriately conducted following the policies and procedures of Stony Brook University.

- Within the predetermined research scope and methodology, conduct research experiments in the field of nanomaterials, deformable structures, advanced manufacturing, wearable sensors, and soft actuators.
- Collect and analyze data, including periodical/literature search and utilizing specialized skills in related field to analyze the collected data.
- Participate/assist in manuscript writing for publication in scientific journals and/or presentations. May also assist in grant proposal development and writing.
- Lab maintenance and development of customized equipment for device fabrication
- Other duties as assigned, which may include mentoring graduate and undergraduate students, and attending scientific conferences and meetings.

To Apply:

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Contact: shanshan.yao <at>stonybrook.edu

Please detail your research experience and research interests, and include your resume/CV and other supporting materials (e.g. publications, transcripts). This is a temporary 9 month appointment.

Contact Information

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

Contact Shanshan Yao
Mechanical Engineering
Stony Brook University
Stony Brook, NY

Contact E-mail shanshan.yao@stonybrook.edu