

PhD Openings in Adaptive Structures Stony Brook University

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Posted Oct. 18, 2020, set to expire Feb. 17, 2021

Job Title	PhD Openings in Adaptive Structures
Department	Department of Civil Engineering https://www.stonybrook.edu/commcms/civileng/
Institution	Stony Brook University Stony Brook, New York
Date Posted	Oct. 18, 2020
Application Deadline	Open until filled
Position Start Date	Spring or Fall 2021
Job Categories	Graduate Student
Academic Field(s)	Structural Engineering Engineering Mechanics
Job Website	https://you.stonybrook.edu/pcelli/
Apply By Email	paolo.celli@stonybrook.edu

Job Description

Several fully funded Ph.D. positions are available in the Dynamic Structures Laboratory at Stony Brook University. The intended starting semester is Spring/Fall 2021.

A good applicant has a background in engineering, physics or math, and is passionate about mechanics and its application to structural systems at various lengthscales. An ideal applicant has also coding experience, likes "DIY" and/or arts&crafts and is open to writing in LaTeX.

At the moment, I am looking for students interested in:

- Adaptive structures.
- Nonlinear mechanics and shape-morphing systems.
- Wave mechanics, nonlinear dynamics and metamaterials.

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Regardless of the topic you are interested in the most, working with me you will be part of exciting research projects involving experiments, numerical modeling and simple yet mechanistically-insightful analytical models. Moreover, you will have the chance to expand/perfect your mechanics knowledge, to grow as an academic and to improve your communication and problem-solving skills, in an environment where the students' personal and professional growth is the top priority.

Why join us? Stony Brook University is a well respected research-intensive public school (SUNY system) located on Long Island, ~1 mile away from the ocean and ~1 hr away from New York City. The University has a strong legacy in Mathematics and Physics, and it co-manages the Brookhaven National Laboratory. The College of Engineering and Applied Sciences is rapidly-expanding. Our Civil Engineering Department, in particular, is relatively-new and unbound by tradition, with a strong core of motivated young faculty looking to re-define civil engineering research and, in my specific case, to explore unprecedented structural solutions.

For more information, please contact me (Paolo Celli, Assistant Professor) at paolo.celli@stonybrook.edu, specifying why you are interested in the position and attaching your CV, transcripts and the names and contact information of at least two references. Selected candidates will be contacted to schedule a video interview.

EEO/AA Policy

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.

Contact Information

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

Contact Dr. Paolo Celli
 Department of Civil Engineering
 Stony Brook University

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