

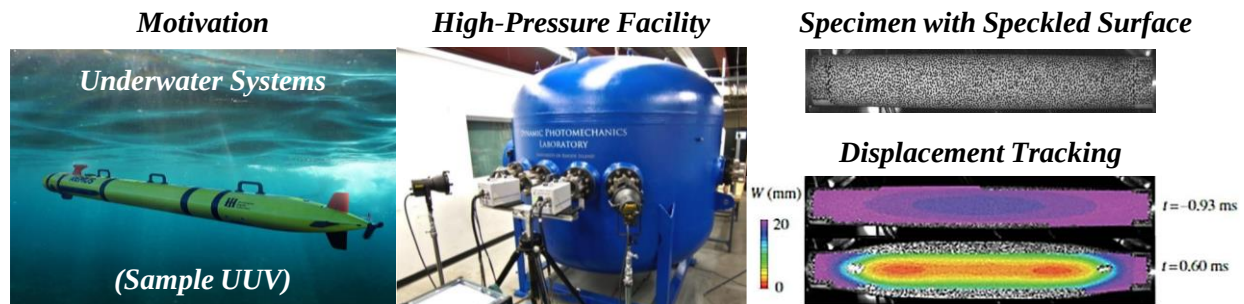
Research Position in Mechanical Engineering

Overview:

The [Dynamic Photo-Mechanics Laboratory](#) at the University of Rhode Island (URI) is looking for students interested in working on structural dynamics research. Our research aims to understand the physics of materials and structures subjected to extreme loading conditions and environments and improve such systems' survivability and performance. This work is performed in collaboration with world-class institutions such as General Dynamics Electric Boat, Naval Undersea Warfare Center, and National Institute for Undersea Vehicle Technology, amongst others. For graduate students, this position is a full-time commitment that will require students to perform research involving the experimentation of dynamic loading on materials and structures while taking graduate-level courses toward an M.S. or Ph.D. in Mechanical Engineering.

Sample Research:

- Implosion of Underwater Structures (visit the [Laboratory website](#) to see other work)



Requirements:

- Acceptance into one of the Mechanical Engineering programs at URI
- A B.S. or an M.S. degree in STEM with a GPA of 3.0 or higher
- Interest in structural mechanics, data analysis, and experimental research
- U.S. Citizenship

Graduate Student Compensation:

While working in this Laboratory, full assistantship coverages for all semesters leading up to the M.S. or Ph.D. degrees can be expected. Standard [Graduate Research Assistant](#) stipend includes full coverage of all tuition, fees, and health insurance benefits, meaning that the entire graduate program will be at no cost. In addition, an annual salary (\$30,000 for the Fall, Spring, and Summer research work) will be given.

Undergraduate Student Information:

The Laboratory will support undergraduate students interested in a future graduate career. Undergraduate students need to be currently pursuing their B.S. degree at URI. For undergraduates, this is a part-time commitment compensated hourly.

Outcomes:

Students will understand the fundamentals of experimentation, data analysis, and structural dynamics and receive extensive training in several state-of-the-art instrumentations.

For more information, don't hesitate to get in touch with Prof. Helio Matos (hmatos@uri.edu), Prof. Carl-Ernest Rousseau (rousce@uri.edu), or Prof. Arun Shukla (shuklaa@uri.edu)