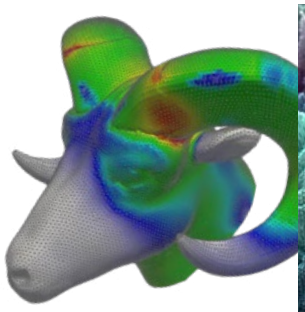
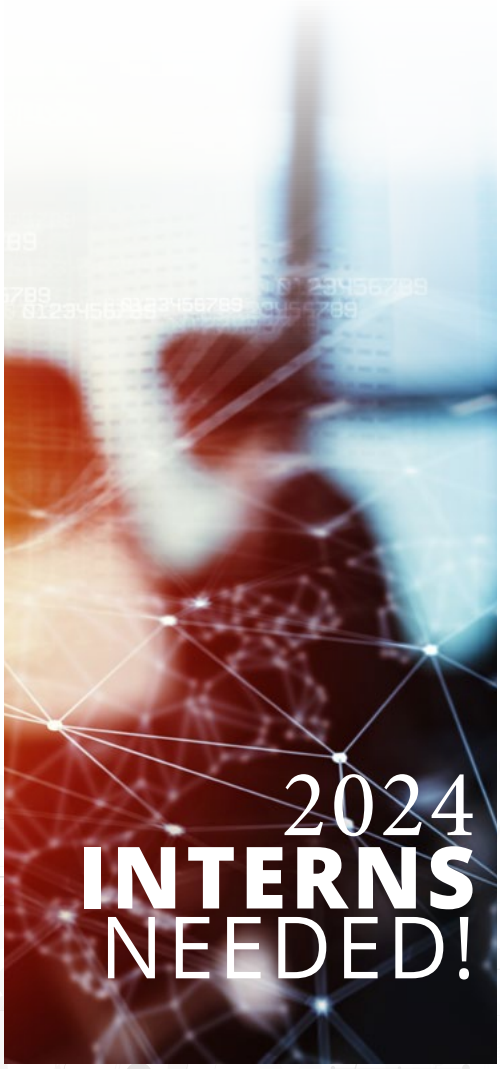


RAMS

RESEARCH & APPLICATIONS of MECHANICS of STRUCTURES INTERN INSTITUTE



Sponsored by Sandia's Engineering Sciences Center, the **Research and Applications of Mechanics of Structures (RAMS)** Institute provides students an opportunity to work with outstanding technical staff in providing engineering solutions to national security mission deliverables. Institute participants will research, develop, and apply computational capabilities to define mechanical environments and simulate response of complex structural systems subjected to extreme loading conditions.

Students work in a collaborative environment and participate in frequent technical and team building activities throughout their internship, including career discussions, tours, and speaker presentations.

Seeking highly qualified graduate and undergraduate engineering students with an interest in structural mechanics research and applications, including environments definitions, structural mechanics simulation, material mechanics, and shock physics are needed to support on-going programs during the summer. Undergraduate students transitioning from the Junior to Senior year and graduate students having completed at least one year of studies toward an MS or Ph.D. degree are preferred. Successful candidates will be assigned a staff mentor and work as part of a team of interns from across the United States. Students will be challenged to conduct independent and group work, and to actively engage in mission activities.

Minimum GPAs of 3.0 on a 4.0 scale are required at Sandia for student internships. Preference will be given to students that meet a more rigorous standard of 3.3 undergraduate and 3.7 graduate GPAs. Applicants must be eligible to pursue a Department of Energy security clearance.

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Sandia National Laboratories delivers essential science and technology to resolve the nation's most challenging security issues. A strong science, technology, and engineering foundation enables Sandia's mission through a capable research staff working at the forefront of innovation, collaborative research with universities and companies, and mission directed research projects. We recruit the best and the brightest, equip them with world-class research tools and facilities, and provide opportunities to collaborate with technical experts from many different scientific disciplines.

Summer 2024 Postings

[R&D Graduate #691196]

Seeking highly qualified graduate students pursuing relevant degrees in mechanical, civil, or aerospace engineering and research interests in Solid Mechanics, Shock Physics, Material Mechanics, Structural Dynamics or similar disciplines to support on-going programs. Students having completed at least one year of study in pursuit of a Master's or Ph.D. degrees are preferred, however, students in transition from undergraduate to graduate programs may also be considered, space permitting.

[R&D Undergraduate #688000]

Seeking highly qualified undergraduate engineering students with an interest in engineering mechanics research and applications, such as vibration analysis, solid mechanics, and computational structural mechanics, to support on-going programs. Students transitioning from the Junior to Senior year are preferred, however, outstanding students currently in the Freshman and Sophomore year may also be considered, space permitting.

Please direct any questions

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