Research and Applications of Mechanics of Structures (RAMS) Institute

National Security Mission
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.

Interns Needed
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 of 2018. 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.

Institute Description
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 invited speakers.

Applying
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 3.5 undergraduate and 3.7 graduate GPA. Applicants must be eligible to pursue a Department of Energy security clearance. More information and application is available at the Sandia recruiting website: [http://www.sandia.gov/careers](http://www.sandia.gov/careers)
Search for specific internship postings #658561 (graduate), #658569 (undergraduate).
Please direct any questions to Cassie Miller at cmille@sandia.gov.