REU: Resilience and Adaptation to Coastal Change Across Virtual Communities (C2-Virtual-C)

Communities and coastlines are under threat from diverse hazards, such as extreme weather, sea level rise, and population growth. This is your chance to join an interdisciplinary team addressing these challenges through unique multi-institution Research Experiences for Undergraduates (REU) program hosted jointly in North Carolina, South Carolina, and Puerto Rico. Increasing the resilience of coastal regions and finding solutions to help communities adapt to change are problems that require an understanding of both the environment and people. In this unique interdisciplinary REU program you will be an important part of a team working to study natural and built environments from diverse perspectives that span the natural sciences, engineering, and social sciences.

Each REU participant will receive a stipend of $4,800 for participating in the summer research experience. Additionally, participants who are able to travel to their host institution for the REU will be provided housing and meals by the host institution or compensated via a cost of living stipend for each week of residence at the institution (equivalent to approximately $340/week at ECU, $300/week at UPR-Arecibo, and $395/week at Clemson).

Applicants must be U.S. citizens or permanent residents and at least 18 years of age at the time of the REU program. Students are welcomed from all majors, but should have completed at least one year of undergraduate study and have at least one semester of study remaining toward their degree at the time of the program. Underrepresented groups and students attending colleges or universities with limited STEM research opportunities are particularly encouraged to apply. REU participants are encouraged to arrange for independent study credit through their home institutions.

Mentors and Research Projects Available for Summer 2021

Projects in this REU are organized into the three theme areas given below to help you identify research areas of most interest to you. It is important to note, however, that many projects may include components that span across multiple research areas:

Geospatial and Computational – projects that utilize tools like GIS, remote sensing, numerical modeling, data science, and/or programming techniques

Social Science, Policy, and Education – projects that focus on human dimensions of coastal problems, including education and outreach

Geoscience and Engineering – projects that utilize disciplinary knowledge and approaches to address coastal issues

Application Deadline: **Feb.5, 2021**

Main Info | Project list | Application

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