

## **PhD Student Assistantship in the Coastal Ocean Analysis and Simulation Team**

Position Description: The University of Georgia (UGA) School of Environmental, Civil, Agriculture, and Mechanical Engineering (<https://engineering.uga.edu/schools/ecam>) is seeking a highly-motivated PhD student to begin Fall 2021. The graduate student will work under Dr. Matthew Bilskie as part of the Coastal Ocean Analysis and Simulation Team ([coast.egr.uga.edu](http://coast.egr.uga.edu)). This funded assistantship is funded by the National Oceanographic Partnership Program (NOPP) and Office of Naval Research (ONR). The general scope of work is developing, refining, integrating, and applying local and regional coastal inundation models into a larger framework to forecast flooding along the US East and Gulf coasts.

Qualifications: Candidates should have been awarded a B.S. (M.S. is preferred) degree in Civil, Environmental, or Coastal Engineering or a related field. The ideal candidate will have experience with computer programming /scripting (Matlab, Fortran, Python, R, bash scripting, etc.), the Linux command line, and GIS. Strong communication and writing skills are essential and the ability to work within a lab group setting. Ideal candidates will have previous experience working with storm surge models (e.g., ADCIRC) and/or developing unstructured finite element meshes. Although it is not necessary to have all of these skills initially, the ideal candidate will have a willingness to learn from others and the motivation to self-teach skills.

Please contact Dr. Matthew Bilskie by email at [mbilskie@uga.edu](mailto:mbilskie@uga.edu) with the subject heading “UGA Graduate Student Inquiry – NOPP” and provide a cover letter, CV and contact information for at least three references.