VIMS | WILLIAM & MARY

VIRGINIA INSTITUTE OF MARINE SCIENCE

Postdoctoral Research Associate – Sediment Transport

William & Mary's Virginia Institute of Marine Science (VIMS) seeks a postdoctoral investigator to work with Dr. Courtney Harris in the Department of Physical Sciences. The successful candidate will work within the sediment modeling group, which uses numerical models to address interdisciplinary issues and evaluate how marine sediment transport processes impact the biogeochemical processes in estuaries and shelves. Specifically, the Postdoctoral Research Associate will perform numerical modeling studies to explore sediment geochemical control on ocean acidification and the carbon budget for environments such as the northern Gulf of Mexico. The postdoctoral investigator will join an NSF funded project focused on sediment geochemistry in the northern Gulf of Mexico, and will be expected to both lead independent modeling projects and work as part of a team comprised of numerical modelers and field scientists from VIMS, Louisiana State University, and University of Delaware.

Responsibilities: The responsibilities of the position include interaction with other researchers, communication of research results, and development of independent research topics consistent with the goals of the sediment modeling group.

About the Virginia Institute of Marine Science: VIMS (http://www.vims.edu) has a three-part mission to conduct interdisciplinary research in coastal ocean and estuarine science, educate students and citizens, and provide advisory service to policy makers, industry, and the public. VIMS serves as the School of Marine Science for William & Mary with masters and doctoral programs within four academic departments: Biological Sciences, Aquatic Health Sciences, Fisheries Science, and Physical Sciences.

Qualifications: At the time of appointment, the successful applicant should have recently obtained a Ph.D. or equivalent in ocean sciences, or a related field. Additionally, the following skills are expected: Strong quantitative skills, experience with numerical ocean models, and scientific programming; Working knowledge using a LINUX platform, and FORTRAN, MATLAB, and/or Python; Knowledge and experience in research within estuarine or coastal systems; Evidence of strong scientific communication skills. Candidates possessing the following are particularly encouraged to apply: Experience with the Regional Ocean Modeling System (ROMS), or similar numerical model; Experience with sediment transport and biogeochemical components of ocean models; Knowledge of sediment transport and/or marine carbon cycles; Experience with interpretation of marine observational data; and/or Familiarity with research and issues within the northern Gulf of Mexico, or similar coastal systems.

Application materials Applications should include a one- to two-page statement of research experience and interests, a cover letter indicating the candidate's availability for this position, a CV, and contact information for three references.

Application materials should be addressed to: Dr. Courtney Harris, Search Committee Chair, and will be accepted through our On-Line Application System at http://jobs.wm.edu/postings/32381. For full consideration, application materials are due August 1, 2018; however, applications received after August 1, 2018 will be reviewed if necessary.

William & Mary values diversity and invites applications from underrepresented groups who will enrich the research, teaching and service missions of the university. The College is an Equal Opportunity/Affirmative Action employer and encourages applications from women, minorities, protected veterans, and individuals with disabilities.