Postdoctoral Research Associate – Hydrodynamic Modeling

William & Mary’s Virginia Institute of Marine Science (VIMS) is seeking a Postdoctoral Research Associate in numeric modeling of coastal systems to work with Dr. Y. Joseph Zhang. The Postdoctoral Investigator will join ongoing projects involving the development and application of numeric models to coastal hydrodynamics, geomorphological and ecological processes. Research activities will contribute to development and implementation of the next generation seamless ‘creek-to-ocean’ forecasts based on the SCHISM modeling system.

Responsibilities: Position responsibilities include interacting with and supervising graduate students and visiting scientists, working closely with collaborators on ongoing projects, and developing new independent research consistent with the goals of the coastal systems 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. The VIMS Center for Coastal Resources Management (CCRM) has a formal mission to support informed decision-making on resource management issues at all levels of government, including private and corporate citizens. To fulfill this mission, the Center undertakes research, provides advisory service in wetlands management, and conducts outreach education.

Qualifications: At the time of appointment, the successful applicant will have a PhD in an environmental science related field (e.g. marine science, biology, geology) or a PhD in a computational related field (e.g.) physics, engineering, computer science, applied mathematics) coupled with experience in environmental applications. Strong quantitative skills and experience in numeric model development, broad knowledge of coastal and estuarine systems are required. Experience and demonstrated skills in numeric modeling using structured and unstructured grids, particularly in ocean/estuarine modeling will be preferred. Experience with the SCHISM model and applications to estuarine and coastal systems will also be preferred qualifications.

The position will be located at VIMS, but may involve collaboration with investigators at other locations. Salary will be commensurate with experience, and multiple years of funding are possible.

Application materials for the position listed above should include: 1) a cover letter identifying timeline for PhD completion and/or availability for this position; 2) a full curriculum vitae; 3) the names, addresses (including titles and institutions), email addresses, and telephone numbers of three references.

Application materials should be addressed to: Dr. Y. Joseph Zhang, Search Committee Chair, and will be accepted through our On-Line Application System at http://jobs.wm.edu/postings/34389. For full consideration, application materials are due February 22, 2019; however, applications received after February 22, 2019 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.

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