The Department of Ocean Sciences at the University of California at Santa Cruz, in collaboration with the Institute of Marine Sciences, The Nature Conservancy and the Wildlife Conservation Society, invites applications for a position to examine the effects of coastal habitats on flood risk reduction. The project is supported by the Lloyd’s Tercentenary Research Foundation. The overall aims of this collaborative project are (i) to examine the factors that influence the role of wetlands and reefs in damage reduction from flooding, (ii) to identify how these factors can be used to improve industry-based risk models and (iii) to create financial instruments that help reduce risks to people and nature. The successful applicant will enhance models and develop analyses to examine the effects of coastal habitats on flood and erosion reduction. S/He will work in the interface between engineering, economic and ecological sciences to assess coastal risks and the role of habitats in reducing them.

RANK: Postdoctoral Scholar - Employee

SALARY: Minimum starting salary of $50,000/year; commensurate with qualifications and experience.

BASIC QUALIFICATIONS: Ph.D in Coastal Engineering, Applied Mathematics, Statistics, Geo-informatics or closely related field.

PREFERRED QUALIFICATIONS: The ability to work well independently and as part of a team, strong communication and interpersonal skills, and strong computing skills. Candidates holding a Ph.D. in other disciplines but with knowledge and skills relevant to the research opportunity may be considered. Knowledge or experience with respect to some or all of the following will be advantageous:

- Catastrophe risk modeling
- Numerical hydrodynamic and morphologic modeling (wave run-up, flooding, and coastal erosion)
- Extreme sea level and wave analysis
- Coastal protection design and engineering
- Economics of climate change

POSITION AVAILABLE: As soon as possible after close of search.

TERM OF APPOINTMENT: One year, with possible extension, contingent upon funding and a positive performance review. For appointments within the University of California, the total duration of an individual’s postdoctoral service may not exceed five years, including postdoctoral service at other institutions.

TO APPLY: Electronic submissions are preferred. Applicants should send: 1) Curriculum Vitae, 2) a one-page statement of research interests, and 3) contact information for three references* to mwbeck@ucsc.edu. You will receive email verification that your electronic submission has been received; please inquire if you do not receive verification. Documents/materials must be submitted as PDF files.

Please always refer to position PS-OS-LTRF in the email subject header.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC’s confidentiality statement at http://apo.ucsc.edu/confstm.htm.

Alternatively, mail submissions may be sent to:
Dr. Michael W. Beck
University of California at Santa Cruz
MS: LML
1156 High Street
Santa Cruz, CA 95060 USA

CLOSING DATE: Review of applications will begin on October 28, 2015 To ensure full consideration, applications should be complete by this time. The position will remain open until filled, but not later than June 30, 2018.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to: Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064; (831) 459-2686.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check. More information is available here or from the Academic Personnel Office (APO) at (831) 459-4300.

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at apo@ucsc.edu (831) 459-4300.

VISIT THE APO WEB SITE AT: http://apo.ucsc.edu

9/28/15