

Postdoctoral Researcher Position in Continental Shelf Currents and Their Surface Wave Interactions

Department of Atmospheric and Oceanic Sciences  
University of California, Los Angeles (UCLA)

We are seeking a researcher to work on problems of oceanic circulation dynamics using the Regional Oceanic Modeling System (ROMS). The researcher would join a highly experienced group with expertise in computational methods, realistic simulation of complex flows, and dynamical processes. The focus of the research will be on shelf currents and their intrinsic (eddy) variability, especially submesoscale fronts and vortices. Problems of interest include surface gravity wave--current interaction, both within the surf zone and outside, and interaction with the surface and bottom turbulent boundary layers. The work is partly motivated and supported by field experiments along California's coast, near Okinawa, and in the northern Gulf of Mexico.

Applicants must have a Ph.D. in physical oceanography or related discipline, experience in the numerical modeling of oceanic flows (preferably using ROMS), a knowledge of geophysical fluid dynamics, a good publication record, the ability to synthesize both ocean model output and oceanographic observations, and an interest in collaboration on interdisciplinary problems.

The initial appointment is full-time for one year with continuation with satisfactory progress. The position is available immediately, and applications will be considered until the position is filled.

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. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination and Affirmative Action Policy.

Please email a cover letter stating your research accomplishments and interests, a curriculum vitae, representative publications, and contact information for three references to:

Prof. James C. McWilliams  
Dept. of Atmospheric and Oceanic Sciences  
University of California, Los Angeles  
Los Angeles, CA 90095-1565

Email: [jcm@atmos.ucla.edu](mailto:jcm@atmos.ucla.edu)