**Postdoctoral Scholar Position in Ocean Modeling**

**College of Earth, Ocean, and Atmospheric Sciences**

**Oregon State University, Corvallis, OR**

**Position:**
Full-time 12-month Postdoctoral Scholar position located in the College of Earth, Ocean, and Atmospheric Sciences, Oregon State University (OSU). This position is funded by a grant from the Office of Naval Research (ONR). The postdoc will work under the mentorship of Dr. Greg Wilson and Dr. H. Tuba Ozkan-Haller. The position is renewable annually, so long as the postdoctoral scholar remains within five years from receipt of their doctoral degree; reappointment depends on performance and continued funding availability and is at the discretion of the PIs and the OSU Office of Postdoctoral Programs. Stipend and benefits conform with postdoctoral scholar standards at OSU (http://gradschool.oregonstate.edu/postdocs).

The postdoc will contribute to ongoing research in ocean modeling and data assimilation for inference of sub-surface bathymetry and other oceanographic variables, in a range of coastal ocean settings.

**Responsibilities:**
The successful applicant will apply physical oceanographic numerical models at several international field sites that have been selected for study, and will conduct data assimilation experiments using data collected by a unique animal tagging technique, as well as data from satellites. The postdoc will join an interdisciplinary team of physical oceanographers, numerical modelers, and ecologists at OSU. Opportunities will exist to assist in field data collection in the US and abroad, and to develop international collaborations. The postdoc will work with the PIs to design and conduct analyses and communicate research findings; prepare research manuscripts for peer-reviewed journal publications; present research at scientific conferences and public outreach events; develop and assist with writing grant proposals; assist in the training of graduate students in thesis or dissertation preparation, research methods, and computational/mathematical methods; and collaborate with other members of the research group.

**Required Qualifications:**
Ph.D. in physical oceanography or a closely related field; proficiency with Matlab and/or python; peer-reviewed publication record (commensurate with career stage) in physical oceanography or a closely related field; excellent written and verbal communication skills; self motivation and ability to work independently; effective decision-making skills and ability to plan and implement research strategies (in collaboration with the advisors/mentors) to efficiently achieve the project goals; ability to work effectively with colleagues and collaborators from diverse backgrounds.

**Preferred Qualifications:**
Experience and expertise in data assimilation, particularly ensemble-based methods; experience with coastal ocean modeling software such as ROMS, FVCOM, Wave Watch III; expertise in modeling of specific coastal processes such as surface gravity waves and estuarine circulation; experience working with satellite data and in-situ oceanographic data.

**Position Available:** Immediately; start date to be determined by agreement with PI.

**Application:**
For full consideration, apply by April 22, 2019. Applicants must send: (1) a cover letter describing academic experience, qualification and interest in the position; (2) a curriculum vitae; (3) official
undergraduate and graduate transcripts; (4) names, addresses, telephone numbers, and email addresses of three professional references; and (5) reprints/ preprints of representative publications. Application materials should be sent to: Dr. Greg Wilson at wilsongr@oregonstate.edu. Oregon State University is an Affirmative Action / Equal Opportunity Employer.