U.S. NAVAL RESEARCH LABORATORY

Ocean Dynamics and Prediction Branch

Submesoscale Eddy Dynamics

The Naval Research Laboratory has an opening for a post-doctorate researcher in physical oceanography, focusing on the evolution and impacts of submesoscale eddies within high resolution ocean model systems. Postdocs working on this project will have the ability to focus on a number of areas: (1) performing and analyzing high-resolution (250 to 500 m horizontal) hydrostatic and non-hydrostatic ocean model simulations that resolve submesoscale eddies; (2) developing techniques to evaluate and analyze the local and remote impacts of small-scale features within the surrounding ocean environment (both dynamically and thermodynamically); (3) investigating and characterizing submesoscale eddy, small-scale, and mesoscale variability (seasonal, subseasonal) of the ocean environment; and (4) analyzing and utilizing remote sensing and in situ observations of small-scale ocean features.

This challenging work requires a broad understanding of physical oceanography and numerical modelling. Candidates are encouraged to apply with expertise in one or more areas of oceanography, ocean modeling, HPC, applied mathematics, meteorology, physics, data analysis, numerical analysis, meteorology, and in situ data processing.

This is an excellent opportunity to work with some of the best modelers and data analysts in the ocean community. The Naval Research Laboratory has access to the major supercomputer sites in addition to excellent local computer resources. The laboratory at Stennis Space Center is collocated with the Naval Oceanographic Office and Fleet Numerical Meteorology and Oceanography Center, which are the largest national operational forecast center for oceanography.

For a quick overview of some of the research publications within the NRL Ocean Dynamics and Prediction Branch at Stennis Space Center and systems transitioned to operations, visit the web site: https://scholar.google.com/citations?user=atCgUG8AAAAJ

Annual postdoctoral salary is $79,363. Applicants must be a US citizen at time of application. NRL is an equal opportunity employer. Send resume and references to:

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MINIMUM REQUIREMENTS

US Citizenship required for all positions.
Ability to obtain and maintain a DoD Security Clearance.

JOB BENEFITS

The Department of the Navy offers a comprehensive benefits package that includes, in part, paid vacation, sick leave, holidays and a 401K-type retirement plan. For additional details visit http://www.public.navy.mil/donhr/benefits/Pages/Default.aspx and http://www.nrl.navy.mil/careers/benefits.

NRL is an Equal Opportunity Employer