



Ocean Dynamics and Prediction Branch

Ocean Data Assimilation and Probabilistic Prediction Section

The Naval Research Laboratory has openings for post-doctorate researchers to advance capabilities in ocean data assimilation and probabilistic forecasting. We are seeking a postdoc to contribute to work developing automated control systems for ocean observing platforms to optimize their anticipated impact on predictions of acoustic transmission loss. Coupled ocean and acoustic models will indicate relative benefit of supporting temperature and salinity measurements, with automated control applied to ocean gliders and supplemental airborne sampling. Alternatives will be evaluated through historical reconstruction and observation system simulation experiments in Atlantic and Pacific scenarios. This long term work is developing cutting edge capabilities that transition to operational forecast centers.

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, acoustic modeling, HPC, applied mathematics, meteorology, physics, data analysis, numerical analysis, 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 or US permanent residents at time of application. NRL is an equal opportunity employer. Send resume and references to:

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via e-mail:charlie.barron@nrlssc.navy.mil



MINIMUM REQUIREMENTS

Security clearance is not required, but applicants must be eligible for a DoD Security Clearance.

JOB BENEFITS

The post doctorate programs at NRL offer benefits including health and life insurance.

NRL is an Equal Opportunity Employer

Cleared for public release
