



# Post-doc Position Ocean Modeling/Prediction

*Naval Research Laboratory Stennis Space Center, Mississippi*

The Naval Research Laboratory at Stennis Space Center, MS (NRL-SSC) is seeking applications for postdoctoral candidates in physical oceanography to expand our understanding of ocean dynamics important for *increasing the forecast capabilities* of the Navy's state-of-the-art *ocean prediction system*. The focus will be on **investigating the dynamical processes that control the mean and variability of the Kuroshio and Ryukyu Current in the western Pacific Ocean.**

In particular, this research involves exploring the nature of **flow exchanges** taking place across multiple passages in the Ryukyu Island chain, and *identifying the mechanisms controlling such exchanges*, among *other topics related to these western boundary currents*. This challenging work requires a **broad understanding of physical oceanography and numerical ocean modeling**. Global and basin-scale versions of the *HYbrid Coordinate Ocean Model* will be utilized extensively, so **experience with HYCOM would be beneficial**.

NRL-SSC provides an opportunity to work with a large group of highly skilled and internationally recognized physical oceanography researchers and access to supercomputing and general computational resources in addition to extensive historical and real-time regional and global data sources. To learn more about the Ocean Dynamics and Prediction branch's other research projects, visit <http://www7320.nrlssc.navy.mil/projects.php>

A postdoc will be hired with stipends of ~\$73,000 through the National Research Council Research Associateship Programs (<http://sites.nationalacademies.org/pga/rap>) or American Society for Engineering Education Naval Postdoctoral Programs ([www.asee.org/nrl](http://www.asee.org/nrl)). Applicant must be a **U.S. citizen or permanent resident at time of application**. NRL is an equal opportunity employer.

**Inquires about the position should be made directly to:**

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