

Postdoctoral Research Position in Computational Ocean Dynamics

The Department of Earth & Planetary Sciences, Johns Hopkins University, invites applications for a postdoctoral research associate or assistant research scientist. The successful candidate will join a team designing, computing, disseminating, and analyzing cutting edge global ocean circulation model solutions.

The research team aims to advance knowledge of the role of small-scale processes on the large-scale, low frequency general circulation of the ocean, and in high Reynolds number rotating stratified fluids in general. It will build parameterizations of the effects of these small-scale processes for use in coarser-scale models, such as coupled climate models, and automatic algorithms to build these parameterizations. And it will design and implement a software framework for handling petabyte-scale datasets that will grow toward exabyte-scale data analysis by non-specialist, casual users. Further information about relevant research may be found at: <http://sites.krieger.jhu.edu/haine/>

An ideal candidate will be a creative, independent thinker with a Ph.D. in dynamical or physical oceanography, but applicants in related fields will also be closely considered. Knowledge in one or more of the following areas is advantageous: ocean circulation and dynamics, numerical ocean models, and high performance computing. The start date is negotiable, but completion of the Ph.D. is required. The appointment may extend up to three years. Appointees will receive a competitive salary and benefits and will be eligible to participate in Johns Hopkins University health plans.

Applications should be submitted electronically through Interfolio at <https://apply.interfolio.com/57117> by December 16, 2018 to receive full consideration. They should include a cover letter, a curriculum vitae, plus three confidential reference letters.

Johns Hopkins University is an equal opportunities/affirmative action employer. Under-represented minorities are particularly encouraged to apply.