

National Research Council of the National Academies Postdoctoral Fellow in Arctic Ecosystem Studies

Description: The Naval Postgraduate School (NPS) in Monterey, California, and the University of Alaska Fairbanks (UAF) jointly invite applications for a National Research Council (NRC) Postdoctoral Fellow position to participate in the study focused on understanding interactions between physical and marine biogeochemistry components of the Arctic System. This research is part of a grant funded by the National Science Foundation Arctic System Sciences Program. The position will focus on analysis, synthesis and integration of available in-situ and satellite observations and model results simulated using the high-resolution Regional Arctic System Model (RASM) and the lower resolution Community Earth System Model (CESM). Research topics of particular interest include the role of meso-scale processes in shelf-basin and vertical nutrient exchange, the subsurface chlorophyll maximum, ice edge and under ice blooms and their role in ecosystem response to climate change.

This position will be primarily located in Monterey, California, with extended visits, up to two months per year, in Fairbanks, Alaska. The postdoctoral researcher will work as a member of a multi-disciplinary research team, in addition to NPS and UAF including scientists from the Bigelow Laboratory for Ocean Sciences, Los Alamos National Laboratory and University of Colorado at Boulder. He / She will have access to the high-performance computing (HPC) resources available to the project through the Department of Defense and Department of Energy. The current base annual stipend is \$62,000 with \$3,000 allotment for professional travel and a suitable relocation reimbursement, to be determined by NRC at the time of the award.

Qualifications: Candidates must have a Ph.D. preferably in oceanography (physical, biological or chemical) or in physics, engineering or applied math. He / She is expected to demonstrate experience using climate, oceanographic, or biogeochemical models or model output. Software skills including expertise in HPC programming languages (e.g., Fortran, C) and scripting frameworks (e.g., IDL, MATLAB, NCL) are highly desirable. Strong written and oral communication skills are required.

How to Apply: Interested applicants should send a CV, including a list of any relevant publications and at least three references (with emails and phone numbers), and a cover letter detailing qualifications and research interests to Prof. Wieslaw Maslowski (maslowsk@nps.edu). The initial screening of applications will start around April 15, 2015, however late applications will be accepted until May 31, 2015. The selected candidate will be required to submit an application to the National Research Council (<http://nrc58.nas.edu/RAPLab10/opportunity/Program.aspx?LabCode=62>), preferably by May 1 or by August 1, 2015. The expected start date of tenure will be within six months of the award, with a possibility of a delay, subject to mutual agreement of NPS, NRC and the Postdoctoral Fellow.