

Princeton University-Professional Specialist

The Atmospheric and Oceanic Sciences Program at Princeton University seeks a professional specialist to develop and run computer models. Candidates should have extensive experience with UNIX and FORTRAN programming, preferably in the area of numerical models. This position is in the Biogeochemistry Modeling Group, which does research on the global carbon cycle, marine biology, and their response to global warming, with a focus on the development of ocean circulation, ecology, and earth system climate models. Candidates must possess a minimum of a Master's degree in science. Training in oceanic and atmospheric sciences and experience with analysis software (Ferret, Matlab or IDL) is strongly preferred. Salary and rank will be commensurate with experience and qualifications.

Applicants are asked to send a resume, a statement of research experience and interests, and the names and contact information (phone, e-mail and address) of at least three references to Anna Valerio(apval@splash.princeton.edu), Princeton University, AOS Program, Sayre Hall, 300 Forrester Road, Princeton, NJ 08540-6654, USA. Review of applications will begin as soon as they are received and continue until the position is filled. Princeton University is an Equal Opportunity/Affirmative Action employer. For general information about applying to Princeton University and how to self-identify, please see <http://web.princeton.edu/sites/dof/applicantsInfo.htm>.

Regional Ocean Climate Modeling at Princeton University

We invite applications for a post-doctoral research position to i) lead in the development of algorithms for nested regional ocean climate models and ii) apply a nested model in a study of climate impact on coastal marine resources and bio-geochemistry. Particular project goals are to implement the GFDL coupled ocean model in a nested framework to enable regionally enhanced resolution of oceanographic processes critical to fisheries, hypoxia, and harmful algal blooms. The intent is to develop a general capability for nested modeling, and to apply the technology to a region of particular scientific interest within a global coupled climate model of IPCC caliber. Possible regions of interest include the North Atlantic Ocean with applications to Cod fisheries, the Scotia Sea and other regions of the Southern Ocean with applications to krill, and the Gulf of Mexico with questions of anoxia and hypoxia. The project will involve intimate development of model algorithms, as well as oceanographic research in the particular region of interest. The successful candidate will join a vigorous research environment and will be able to take advantage of a wide range of ongoing climate related activities both at Princeton University and at GFDL/NOAA. A Ph.D. in oceanography, biogeochemistry or atmospheric sciences is preferred.

The successful applicant will join the ocean modeling group to work with Prof. Jorge Sarmiento (http://www.princeton.edu/aos/people/faculty/jorge_sarmiento/), Charlie Stock and Alistair Adcroft (<http://www.gfdl.noaa.gov/research/ocean/>) in the AOS Program and Stephen Griffies at GFDL/NOAA. Applicants are asked to send a curriculum vitae, a statement of research experience and interests, and the names and contact information (phone, e-mail and address) of at least three references to (apval@splash.princeton.edu), Princeton University, AOS Program, Sayre Hall, 300 Forrester Road, Princeton, NJ 08540-6654, USA. We will begin reviewing applications on May 19th, and continue until the position is filled. Princeton University is an Equal Opportunity/Affirmative Action employer. For general information about applying to Princeton University please see <http://web.princeton.edu/sites/dof/applicantsInfo.htm>.

Oceanic and Terrestrial Biogeochemistry and Climate Research at Princeton University

We invite applications for one or more postdoctoral positions involving model and data based studies of ocean, atmosphere, and terrestrial biogeochemical cycles with relevance to the carbon cycle, climate change, and the response of the ocean and terrestrial biosphere to climate change. Areas of particular interest include but are not limited to: ocean meridional overturning circulation and biogeochemistry; coupled atmosphere-ocean-biogeochemistry earth system modeling; detection and attribution of marine biological interannual variability and response to climate change; and analysis of oceanic and atmospheric carbon system observations. A Ph.D. in physical oceanography, oceanic or terrestrial biogeochemistry, or some related field is required. The successful candidate(s) will join a vigorous interdisciplinary research group and will be able to take advantage of a wide range of related research at Princeton University and GFDL/NOAA.

<>Applicants are asked to send vitae, a statement of research experience and interests, and names of at least 3 references to Jorge Sarmiento c/o Anna Valerio (apval@splash.princeton.edu), Atmospheric and Oceanic Sciences Program, Princeton University, 300 Forrestal Road, Princeton, NJ 08540-6654. Review of applications will begin as soon as they are received, and continue until the positions are filled. Princeton University is an Equal Opportunity/Affirmative Action employer. For general information about applying to Princeton University and how to self-identify, please see <http://web.princeton.edu/sites/dof/applicantsInfo.htm>