

Postdoctoral and/or Research Scientist Climate Dynamics

The Atmospheric and Oceanic Sciences Program at Princeton University seeks one or more outstanding postdoctoral or more experienced research scientists to perform numerical and theoretical research in projects exploring decadal-scale variability and predictability of the climate system, with a particular focus on the Atlantic.

The overall goals of the projects are to (i) improve our understanding of the mechanisms of climate variability, (ii) evaluate potential predictability of the climate system, (iii) develop the necessary tools to make climate predictions starting from observed ocean states, and (iv) conduct ensembles of climate predictions starting from estimates of the observed state of the ocean. Interactions between variability, predictability, and changing radiative forcing will be a key focus, and emphasis is on the Atlantic and decadal timescales. The research will make extensive use of the NOAA Geophysical Fluid Dynamics Laboratory (GFDL) CM2.1. global climate model, future high-resolution climate models currently under development at GFDL, as well as more idealized and theoretical models and will involve collaboration with GFDL scientists.

The selected candidates will address one or more of the goals articulated above, and will have one or more of the following attributes: (a) a strong background in research on climate dynamics or a closely related field, (b) extensive experience using and analyzing state of the art climate models, (c) a strong background in data assimilation and its use for climate prediction efforts, (d) strong diagnostic skills in analyzing large data sets, and/or (e) a theoretical background in ocean-atmosphere dynamics. The position is open to both recent Ph.Ds, as well as candidates beyond the postdoctoral stage. Salary will be commensurate with experience.

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 be sent to Anna Valerio (apval@princeton.edu), Princeton University, Atmospheric and Oceanic Sciences Program, 205 Sayre Hall, 300 Forrestal Road, Princeton, NJ 08540, USA. Electronic applications are welcome. Applications received on or before November 30, 2007 will receive first consideration and others will be considered 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>.

For additional information, contact either Dr. Geoffrey Vallis (gkv@princeton.edu).or Dr. Tom Delworth (tom.delworth@noaa.gov).