

School of Mathematical and Statistical Sciences, School of Geographical Sciences and Urban Planning, Center for Environmental Fluid Dynamics, Global Institute of Sustainability  
Arizona State University - Tempe, Arizona 85287

**Climate Modeling Post-Doctoral/Research Scientist Positions**

The Center for Environmental Fluid Dynamics (EFD) at Arizona State University (ASU) has full-time vacancies for outstanding Post-Doctoral/Research Scientist positions to address questions involving multi-scale climate modeling of atmospheric flows.

Particular topics of interest include:

1. **Multi-Scale Modeling of Urban Atmospheres in a Changing Climate:** The research will consider both the downscale influence of large-scale atmospheric conditions on urban-scale weather and climate, and the upscale influence of cities on surrounding regions.
2. **Assessing Climatic Impacts associated with Biomass Energy Expansion:** The research will quantify climatic impacts resulting from large-scale deployment of biomass energy expansion by modifying existing land-surface models to address global challenges concerning the energy/water/climate nexus.

The successful candidate(s) will join a transdisciplinary team of researchers jointly collaborating within ASU's Global Institute of Sustainability. A portion of the work will likely require periodic visits to the Mesoscale and Microscale Meteorology Division at the National Center for Atmospheric Research (NCAR).

Requirements:

- Demonstrated experience with land-surface/atmospheric numerical codes (those with expertise using the Weather Research and Forecasting (WRF) model, the principal tool of investigation, are encouraged to apply).
- Familiarity in handling and dealing with large data sets of various formats.
- Programming skills (e.g., Fortran) and proficiency in visualizing model output (e.g., GrADS, Matlab) for production of scholarly manuscripts in peer-reviewed journals.
- Ph.D. in atmospheric science, hydrology, computational/mathematical geosciences, or related fields.

For full consideration, please submit applications by April 30, 2012. These positions are available for up to 3 years, subject to annual performance review. Salary is commensurable with experience. An attractive benefits package is also offered. Starting date(s) is(are) flexible but not later than September 1<sup>st</sup>, 2012.

ASU is an equal opportunity/affirmative action employer and encourages and supports diversity among applicants and employees.

To Apply: Please send curriculum vitae, a brief description of research interests, and arrange for three letters of recommendation to be sent electronically to:

Prof. Alex Mahalov  
The Wilhoit Foundation Dean's  
Distinguished Professor  
Arizona State University  
e-mail: [mahalov@asu.edu](mailto:mahalov@asu.edu)

Prof. Matei Georgescu  
Arizona State University  
e-mail: [Matei.Georgescu@asu.edu](mailto:Matei.Georgescu@asu.edu)