

Research Opportunity

“Improve pollutant plume predictions through the use of mesonet meteorological data”

NOAA Air Resources Lab (ARL) Headquarters, Silver Spring, Maryland
Apply by November 15th, 2008



UCAR is seeking a visiting scientist to conduct research at the NOAA Air Resources Lab (ARL) Headquarters in Silver Spring, Maryland, in the area of pollutant transport modeling, climate variability, and air-surface exchange.

The main goal of this research position is to improve our understanding of pollutant plume predictions through the use of mesonet meteorological data. This includes a review of dynamic data assimilation techniques for diagnostic and forecast models. These methods will be tested and evaluated by comparing plume predictions against measured pollutant data. There are opportunities for implementing new ideas and flexibility in the design of the research plan, as this is a new

project for ARL. Collaboration with other NOAA laboratories (ESRL, NCEP) involved in meteorological data assimilation is encouraged.

Applicants should have a PhD in atmospheric science or a related discipline. This position is open to scientists worldwide. UCAR will assist international visitors in obtaining visas. Salary is commensurate with the experience of the scientist and cost of living considerations and will be competitive with corresponding university and government appointments. As a UCAR employee, the visiting scientist will be covered by all UCAR policies and benefits. Benefits include:

- Health and dental insurance
- Paid time off
- Paid holidays
- TIAA/CREF retirement fund, and
- Life insurance



To apply, send the following materials:

- Cover letter
- Curriculum vitae including list of publications
- Name and contact information for three or more professional references (please contact references and request that they send letters of support directly to UCAR)
- PhD dissertation abstract, including title of dissertation
- Description of experience and interest relevant to the stated research goals

Applications may be sent by email to vsp@ucar.edu or visit the VSP website at <http://www.vsp.ucar.edu>. Applicants may also mail materials to:



UCAR Visiting Scientist Programs
PO Box 3000
Boulder, CO 80307-3000, USA

This position will remain open until filled. Application review will begin November 15, 2008.

Photos courtesy of NOAA Air Resources Laboratory

