



UNIVERSITY OF WISCONSIN-MADISON
Position Vacancy Listing
PVL# 58426

Working title:
ASSISTANT RESEARCHER

Official title:
 ASSOC RESEARCHER(E05FN) OR ASST RESEARCHER(E05LN)

Degree and area of specialization:
 M.S. degree required, Ph.D. preferred in Atmospheric Science, Physics or related science with background knowledge in computer programming, satellite meteorology, remote sensing, and their environmental applications.

Minimum number of years and type of relevant work experience:
 Experience in developing computer algorithms for atmospheric and geophysical data analysis with programming skills in remote sensing science is required. Programming knowledge in FORTRAN 90/95, C, and C++ on UNIX and PC computer systems is necessary. Also, experience in data analysis techniques using satellite and aircraft based radiance measurements, including familiarity with data manipulation and visualization software, such as McIDAS or IDL is necessary.

Principal duties:
 The University of Wisconsin Space Science and Engineering Center (SSEC) is a research and development center with an international reputation for developing instrumentation for both terrestrial and space flight applications. SSEC's mission includes the support of faculty and academic staff led research, development, fabrication and implementation of space flight experiments, as well as the development of new meteorological research tools for national and international use.

This position is located in the CIMSS Aviation Weather Operational Area. The candidate will work within a team of scientists developing products to support NOAA, NASA and FAA Aviation Weather programs. This position is a support scientist and scientific programmer using remote sensing data to develop techniques and conduct data analysis investigations. Specifically, this position will support an effort to develop, validate, and transition to operations satellite-based volcanic aerosol products. Quantitative monitoring of volcanic aerosols, including ash and SO₂, from satellites is critical for protecting life and property as well as monitoring climate forcings. The position will require an ability to work with large processing systems and data sets. Familiarity with radiative transfer concepts is critical. The position requires the ability to work creatively and independently. The candidate will also assist in writing professional papers and will make technical presentations at national scientific meetings.

A criminal background check will be conducted prior to hiring.

A period of evaluation will be required

Appointment type: Academic Staff
Department(s): GRAD/SPACE SCI&ENG CT
Full time salary rate: **Minimum** \$34,280 ANNUAL (12 months)
 Depending on Qualifications
Term: This is a renewable appointment.
Appointment percent: 50% - 100%
Anticipated begin date: APRIL 01, 2008

Number of positions: 1

TO ENSURE CONSIDERATION

Application must be received by: MARCH 27, 2008

HOW TO APPLY:

Unless another application procedure has been specified above, please send resume and cover letter referring to Position Vacancy Listing #58426 to

Sally Loy

1225 W. Dayton St. TTY: 608-263-2473

Madison, WI 53705 Fax: N/A

Email: sally.loy@ssec.wisc.edu

NOTE: Unless confidentiality is requested in writing, information regarding the names of applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

UW-Madison is an equal opportunity/affirmative action employer. We promote excellence through diversity and encourage all qualified individuals to apply.

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For more information on the University of Wisconsin-Madison see our home page at <http://www.wisc.edu/>
For UW Madison Campus Safety Information see <http://www.wisc.edu/students/faculty/safety.htm>*
