

Faculty Position
Earth System Science Interdisciplinary Center (ESSIC)
University of Maryland, College Park

The Earth System Science Interdisciplinary Center (ESSIC) at the University of Maryland invites applications for a tenured Full Professor pertaining to climate applications and decision support.

ESSIC is a joint center between the University of Maryland Departments of Atmospheric and Oceanic Science, Geology, and Geography together with the Sciences and Exploration Directorate at the NASA/Goddard Space Flight Center. It is located at M-Square, a new research park three miles from the main campus and future home to NOAA's new National Center for Weather and Climate Prediction. ESSIC also administers the Cooperative Institute for Climate Studies (CICS), which is a joint center with NOAA's National Centers for Environmental Prediction (NCEP) and the National Environmental Satellite, Data and Information Service (NESDIS). The goal of ESSIC is to enhance our understanding of the interactions of the coupled atmosphere-ocean-land-biosphere components of the Earth system as well as the influence of human activities on the system. The ESSIC staff is currently composed of approximately 60 academic and research faculty spanning meteorology, oceanography, geology, and geography. The Director of ESSIC is Prof. Antonio Busalacchi.

Applications are solicited for the Director of CIRUN (Climate Information: Responding to User Needs).

Through CIRUN the University of Maryland is working with partners to mobilize a national effort to build the capacity to predict major climate changes on time scales of seasons to decades, and to convert these predictions into information that government and industry can use to plan and adapt. Information on CIRUN may be found at <http://www.climateneeds.umd.edu/>

The appointee shall have a high level of competence in teaching and advisement in relevant climate disciplines, and shall have demonstrated significant research and scholarship across basic research, applied research, and engagement with stakeholders needing climate information. The appointee shall have established a national and international reputation for outstanding research, scholarship and a distinguished record of teaching. There also must be a record of continuing evidence of relevant and effective professional service. The responsibilities of the position include the need to:

- Research effective means of the provision of climate information
- Develop decision support tools for climate services
- Coordinate cross campus efforts pertaining to the application of climate information
- In collaboration with NOAA and NASA partners, lead the university's efforts to support a National Climate Service
- Engage a wide range of stakeholders in researching, assessing, and supporting their needs for climate information
- Focus on the provision of environmental information, with an emphasis on the atmospheric, climate, hydrological and oceanographic areas
- Support early and informed response by government, industry and the general public to significant events and/or changes in the climate system that will be occurring on a regional, national or global scale over the coming decades
- Communicate with regional and national policy makers
- Lead fund raising efforts to public and private organizations in support of CIRUN.

The position will be filled at the tenured Full Professor level. The appointment is state-funded for the academic year. A Ph.D. degree in an appropriate discipline of Earth System Science is required. The successful applicant is expected to demonstrate a commitment to excellence in research and teaching and a desire to work in a multi-disciplinary environment.

In order to ensure full consideration, curriculum vitae, statement of professional goals, and the names of at least three references should be sent (by email) August 15, 2009 to:

Andrew Negri
Assistant Director/ESSIC
anegri@essic.umd.edu

Attention: ESSIC Full Professor Faculty Position

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