

Post-Doctoral Research Associate – Lightning Observations and Applications

Location: University of Maryland, College Park, MD

Department: Earth System Science Interdisciplinary Center

Starting Salary: Commensurate with Experience

Closing Date: Review of Applications will begin on May 1, 2016 and continue until the position is filled

Expected Start Date: July 1, 2016

Duties:

The Earth System Science Interdisciplinary Center (ESSIC) and the Cooperative Institute for Climate and Satellites – Maryland (CICS-MD) is recruiting a Post-Doctoral Research Associate to specialize in lightning research, observations, and applications. The selected applicant will work closely with scientist from both the University of Maryland and the National Oceanic and Atmospheric Administration (NOAA) in preparation for the planned launch of the GOES-R Geostationary Lightning Mapper (GLM). The two main responsibilities will be 1) developing and implementing tools for monitoring the GLM performance using ground-based lightning observations, and 2) maintaining the Washington D.C. Lightning Mapping Array (DCLMA) and promoting its use in research and operations. This project straddles the Research-to-Operations (R2O) line, and thus will involve both research- and operational-oriented tasks. This position will require the presentation and publication of important findings at scientific conferences and in academic journals.

Qualifications:

Applicants should have a Ph.D. in meteorology or a closely related field. This position requires familiarity with lightning observations and applications, along with fluency in shell scripting and at least one programming language (e.g., Fortran, Python, C++, Java, etc.). Preference will be given to applicants with knowledge of National Weather Service (NWS) forecast operations. Applicants with only a M.S. degree will be considered if their research experience is a perfect fit and they have demonstrated the ability to publish in refereed journals.

To Apply:

Interested candidates should send a CV, official or unofficial transcripts, a list of at least 3 professional references, and a cover letter explaining how your qualifications meet the requirements for this position to anegri@essic.umd.edu.

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