The Department of Geographical Sciences at University of Maryland, College Park, is seeking a Professional Track Research Faculty Member (soft money position) at the Research Assistant, Associate or Full Professor rank, commensurate with qualifications and experience. Salary and benefits are highly competitive. This position will support a growing body of research in satellite remote sensing. The successful applicant will have expertise and/or interest in three or more of the following areas: (1) agricultural monitoring from remote sensing; (2) radiative transfer; (3) remotely sensed data processing:(4) vicarious calibration; (5) land surface modeling, with an emphasis on water budget; (6) satellite-derived albedo and vegetation products; (7) satellite product validation. This position will combine technical execution with research excellence.

We are seeking an innovative thinker in one or more of the above fields. Applicants should be capable of independent research but who can work well as part of a dynamic research team, to help with the current research initiatives in the areas specified above. The successful candidate will also be expected to help develop new concepts and research areas within the department and communicate effectively with research sponsors.

Specific responsibilities will vary depending on rank of appointment and the experience and qualifications of the candidate but broadly include: i) developing research for publication in peer-reviewed academic forums, ii) in coordination with direct supervisor and other faculty in the department, lead proposal activities for obtaining new external research funding. The individual in this position will have a high level of autonomy in the development and execution of projects.

Minimum Qualifications and Required Skills

An earned Doctoral degree in Geography, Physics, Computer Science, or discipline related to remote sensing is required. Demonstrated excellence in research and development. Demonstrated ability to work as a member of a team. Three or more years of experience in satellite remote sensing of the earth and atmosphere in the reflective solar spectrum, with a strong publication record in peer reviewed journals. Demonstrated knowledge and understanding of the physical process of remote sensing of the earth and its atmosphere, as well as fundamental radiometry. Excellent skills in analyzing and processing of large volume satellite data using computer languages such as IDL, MatLab, C/C++ or Fortran, are required. Knowledge and experience with radiative transfer models is also needed. Experience with common data formats such as netCDF and HDF is a plus. Must have excellent English verbal and written communication skills.

Applications should include a personal statement of background and experience relevant to the position, a signed, dated Curriculum Vitae, reprints of selected peer-reviewed publications, and names and addresses (including e-mail) of 3-5 references.

For best consideration applications should be submitted no later than December 15, 2014 but the search will continue until a suitable candidate is appointed.
To Apply: https://ejobs.umd.edu/postings/31232. Applications from women and minorities are particularly sought. The University of Maryland is an Equal Opportunity Affirmative Action Employer.

Further information on the research programs of the Department may be obtained from the address above and can be found at http://www.geog.umd.edu.