



The Department of Geographical Sciences at the University of Maryland, College Park, is seeking a Faculty Specialist to assist with ongoing projects on the various applications of Earth Observations (EO). The developer will be responsible for programming and satellite remote sensing support of the projects (NASA, NOAA, ESA...), including implementing algorithms for maintenance, processing and analysis of large volumes of geospatial data. This position is a 12-month (renewable), full-time exempt status. Excellent benefits package, including health insurance, sick and annual leave, retirement subsidy, and tuition remission.

The University of Maryland, College Park is the flagship campus of the University of Maryland System and is ideally situated in close proximity to Washington, D. C., Baltimore, and Maryland's 270 Technology Corridor. The University is committed to attracting and retaining outstanding and diverse faculty and staff that will enhance our stature of preeminence in our three missions of teaching, scholarship, and full engagement in our community, the state of Maryland, and in the world.

Minimum qualifications:

- Bachelor's degree in Remote Sensing, or Computer Science
- Strong problem-solving and ability to work in a small development team environment
- Ability to effectively communicate technical concepts to technical and non-technical staff
- Ability to meet deadlines
- Knowledge of proven software and algorithms design principles
- Successfully and consistently implements best practices for coding guidelines, standards, protocols and conventions
- Object oriented design and programming experience
- Remote sensing image processing experience
- Proficiency in using python for satellite and geospatial data processing & analysis
- Experience with various remote sensing data formats (e.g. Geotif, HDF, NetCDF)
- Experience with Windows and Linux/Unix OS
- Excellent English verbal and written communication skills.

Preferences:

- Master's degree in Remote Sensing or Computer Science
- Basic knowledge in machine learning and statistics
- Knowledge of map projections
- Experience with low level programming language (e.g. C/C++, Fortran)
- Experience with scripting languages (bash)
- Experience with high-performance computations
- Experience with open source GIS software (QGIS)

Applications should include a cover letter, Curriculum Vitae, and email addresses of three references. The Department of Geographical Sciences is committed to increasing the diversity of the campus community. Candidates who have experience working with a diverse range of faculty, staff, and students and who can contribute to the climate of inclusivity are encouraged to identify their experiences in these areas.

For best consideration applications should be submitted no later than **October 19, 2018** but the search will continue until a suitable candidate is appointed. Further information on this position and on academic and research programs of the Department can be found at <http://www.geog.umd.edu>. Questions regarding this position can be directed to the Search Chair, Research Professor Jean-Claude Roger, roger63@umd.edu.

To Apply: <https://ejobs.umd.edu/postings/63476>. Applications from women and minorities are particularly sought. The University of Maryland is an Equal Opportunity Affirmative Action Employer.