

Position Title: Research Assistant/Associate Professor

Job Type: Full-time, 12-month

Salary Range: Commensurate with education and experience

Closing Date: open until filled.

Environmental Science and Technology Center (ESTC) at College of Science (COS), George Mason University, invites applicants for a full-time Research Assistant/Associate Professor position. The successful candidate will conduct research to integrate observations of weather, soil, and vegetation from multiple platforms to develop a comprehensive risk management system for drought monitoring in Africa and investigate agro-ecosystem and agricultural productivity impacts of drought.

Main Responsibilities:

- 1) Integrate and analyze data from multiple platforms, including ground measurements, modeling, and space-borne observations;
- 2) Investigate technical approaches for drought monitoring and assess their performance;
- 3) Develop a prototype system to demonstrate the capability of drought monitoring through integration of multiple datasets;
- 4) Investigate the impacts of drought on agricultural productivity.

Required Skills, Experience & Abilities

- 1) Applicants should have a PhD in geoscience science or related field, and at least 3 years professional experience in agricultural drought monitoring;
- 2) Strong scientific programming skills for data processing, visualization and analysis with IDL or Matlab or C/C++;
- 3) Proficiency in using Linux system for large scale data processing and analysis;
- 4) Familiar with GIS;
- 5) Strong written and verbal communication skills.

DesiredSkills

- 1) Proficient in C/C++ or Java programming;
- 2) Experience in development for web-based applications;
- 3) Familiar with database management system.

Please apply online at <http://jobs.gmu.edu>. Candidates should submit a cover letter of application, CV, and contact information (with e-mail addresses) of three references. Questions about this position may be addressed to Dr. John Qu, ESTC Director, at jqu@gmu.edu.