Research Scientist Positions at George Mason University

The Center for Spatial Information Science and Systems (CSISS), George Mason University invites applications for multiple research scientist positions.

**Research Associate Professor:** To provide scientific and technical direction to the analysis, fusion, and intercomparison of atmospheric products from multi-instrument space- and ground-based observations and model outputs for the NASA Goddard Interactive Online Visualization and Analysis Infrastructure (Giovanni) project. Duties will be to assess the existing applications and develop new algorithms to support Giovanni services; integrate science analysis tools; work with the instrument Science Teams to ensure science quality and accuracy; author peer-reviewed papers and deliver presentations; coordinate project milestones and deliverables; and initiate and contribute to grant proposals.

Requirements are a Ph.D. in atmospheric sciences, experience in working with large scientific data sets, skills in developing software in an operationally-oriented environment, and proficiency in Unix/Linux operating systems and Perl/Python, C, and FORTRAN. Experience in IDL, GrADS and MatLab, WMS/WCS, and OPeNDAP is a plus. The applicant should have excellent verbal and written communication skills, ability to work as part of a team, and recent publications in the atmospheric sciences.

**Science Analysts:** To participate in a calibration working group of scientists and engineers from government labs and universities in support of GOES-R and NPOESS satellite instrument calibration, performance analysis, and data quality assurance. Duties include independent instrument test data analysis, oversight of calibration algorithm development for the ground processing systems, and independent analysis and verification of instrument calibration both pre- and post-launch. Requirements are a MS degree in physics, astronomy, or equivalent fields, experience in optical instrument development and performance analysis, and excellent data analysis skills using software tools such as IDL or Matlab. US citizenship or permanent residency is required.

Please send a curriculum vitae with names of three references to Dr. Yuqi Bai, CSISS/GMU, 6301 Ivy Lane, Suite 620, Greenbelt, MD 20770, USA. Telephone: (301)345-3271. Email: ybai1@gmu.edu.

Positions are open until filled. George Mason University is an equal opportunity/affirmative action employer.