



Support Scientist
Suomi NPP/JPSS Active Fire Product
Development and Proving Ground Activities
NOAA/NESDIS/STAR
College Park, MD

I.M. Systems Group, Inc. (IMSG) (www.imsg.com), a science and technical company supporting U.S. Federal Government, located in Rockville, Maryland is currently seeking to hire a Support Scientist to join our team efforts to support NOAA/NESDIS/Center for Satellite Applications Research (STAR). IMSG supports STAR in applied science research and development efforts in a semi-research and semi-operational working environment along with U.S. government scientists, visiting scientists, and other contractors. This task is to support the Suomi NPP/JPSS active fire product development and proving ground activities.

General Requirements/Duties:

This position provides support to ensure continued operation of the IDPS Suomi NPP code and the transition of the JI replacement code into NOAA operations. Major activities under product development include fine-tuning the algorithm parameters for optimization, algorithm and product evaluation and maintenance, and system engineering. The Suomi NPP/JPSS active fire proving ground activities include generation of a VIIRS Active Fire operational demonstration product, product reformatting, data analysis and distribution. This position also requires web-based dissemination of VIIRS fire and aerosol products, upgrading the web page to an enhanced version, and generating software plug-in tools to port the VIIRS fire and aerosol products to different platforms, specifically AWIPS-II system used by the National Weather Service.

Qualifications:

- College degree in related science field, experience in environmental remote sensing
- Familiar with techniques for satellite-based measurements and retrieval of fire characteristics
- Knowledge and experience in advanced scientific programming and numerical analyses
- Expertise in understanding satellite data formats, their sources, and access protocols.
- Sound communication skills and proven ability to work well in a team environment
- Demonstrated coding experience C, C++, Fortran and IDL programming languages.
- Demonstrated experience with Linux system, in particular writing shell scripts, cron jobs, perl scripts, and Java programming.

To Apply:

Please submit your resume, the contact information for three (3) references, and a cover letter explaining how your qualifications meet the requirements of the position to jobs@imsg.com with the following subject line: **NOA1529 Active Fire Support Scientist**. Your application will not be considered unless it is sent to the above mentioned email. Please include information regarding your current U.S. citizenship or current visa status.

IMSG offers an outstanding benefits package including company paid medical benefits and three weeks paid time off. Please indicate your timeline of availability and preferred salary level for consideration.

IMSG is an Equal Opportunity Employer and Veteran friendly.