



Support Scientist – Ensemble Forecasting
NOAA Environmental Modeling Center (EMC)
College Park, MD

I.M. Systems Group, Inc. (IMSG), www.imsig.com (<http://www.imsig.com/>), a Federal Government Contractor, is seeking to fill a position for a Support Scientist to work at NOAA's Environmental Modeling Center (EMC) of the National Centers for Environmental Prediction (NCEP) located in College Park, MD. The successful candidate will support the EMC in transitioning research and development work related to ensemble and probabilistic forecasting into operational use. Depending on requirements, the candidate will work on NCEP future global ensemble forecast system (GEFS) to improve the performance of week-2 forecast and high impact weather (HIW) prediction. A candidate will be required to work closely with model developers and users to test different model configurations, to evaluate the performance of various methodologies for possible implementation into NWS operation suite.

Qualifications:

Required Skills:

- Candidates must have experience in numerical modeling, probabilistic forecasting in particular.
- Must have experience and interest in two or more of the following areas of ensemble techniques: Assessing and representing model related forecast uncertainties; Model physics parameterization; stochastic perturbation; Statistical post-process and probabilistic verification.
- Must also have experience with running complex jobs, and processing large amounts of numerical output data on mainframe supercomputers and/or workstations in a FORTRAN/UNIX environment, using advanced statistical and display tools.
- Position requires a Ph.D. or M.S. (with 2 more years of relevant experience) in Atmospheric Science, or a related physical or applied mathematical science.

Desired Skills:

- Candidates who are able to work well in a team environment, to service user requirements, and those with good written and oral communication skills will have an advantage.
- Candidates with experience in High Performance Computer (HPC) and NCEP's systems, especially the global ensemble system, will also have an advantage.

To Apply:

Please submit your resume, the contact information for three (3) references, your salary requirements and a cover letter explaining how your qualifications meet the requirements of the position to:

jobs@imsig.com with the following subject line: **NOA1532 Support Scientist - Ensemble Forecasting**

IMSG offers an outstanding benefits package including medical benefits and paid time off. Salaries offered commensurate with qualifications and experience.

IMSG is an Equal Opportunity Employer and Veteran friendly.

