Current Opening:

Scientists/Systems Engineers, Lexington, MA & Greenbelt, MD

Atmospheric and Environmental Research, Inc. (AER) is seeking motivated scientists and systems engineers with experience in satellite remote sensing to support development of ground processing software for a next generation satellite system, the GOES-R program. You will work as a team, interacting with system architects and software engineers to support the design, implementation, integration and test of ground processing algorithms to derive environmental products from down-linked satellite data. Activities will include requirements analysis, algorithm analysis and prototyping, algorithm test and evaluation, modeling and simulation, and documentation for all phases of design though implementation.

Candidates with a variety of experience levels are sought. Minimum requirements are a MS or BS degree in the physical sciences plus a minimum of 3 years experience in relevant fields (advanced degrees may be substituted for work experience). Relevant areas of experience include meteorological and surface remote sensing, solar X-ray and UV observations, in-situ space particle detection, lightning detection, and instrument calibration. Applicants with good technical writing skills, experience with C and IDL programming in a UNIX environment, and experience with requirements analysis, and satellite data are encouraged to apply.

The following are required:

- Experience in meteorology, remote sensing, sensor calibration or space physics
- Strong technical writing and communication skills
- Ability to work as part of a team
- Experience in scientific data analysis
- Programming in C, IDL, MATLAB or equivalent

The following are desired:

- Background in Systems Engineering
- Experience with DOORS
- Experience with Visual Basic for Microsoft Excel and/ or Microsoft Access
- C++ programming
- Radiative Transfer modeling
- Detection, estimation and time-series analysis

These positions are open to US citizens and lawful permanent residents of the United States. AER offers a competitive wage and benefit package and is an EEO/AA employer.

Atmospheric and Environmental Research, Inc. (www.aer.com), established in 1977 and headquartered in Lexington, Massachusetts is a wholly-owned subsidiary of ISO, Inc. of Jersey City, NJ. AER is an award winning environmental research and consulting company with demonstrated expertise in remote sensing, radiative transfer modeling, climate modeling, ensemble weather prediction, oceanography, space weather, atmospheric modeling, planetary sciences, and a provider of medium and long range forecasts for the Energy and Financial Markets.

Please apply online at: https://jobs-aer.icims.com/jobs/intro

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For more information check out our web site at www.aer.com

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