Atmospheric Scientists/Physical Oceanographer (12754)

Status
Pending

Status Details
To Be Approved

Requisition Type
Professional

Hired Candidates
0 out of 1

Recruiter
Munoz, Brian

Hiring Manager
Baker, Mark

Primary Location
*United States > *Maryland > *Laurel

External Description

Description - External
The Johns Hopkins University Applied Physics Laboratory (APL), a national leader in scientific research and development, located midway between Baltimore and Washington, DC is seeking an Atmospheric Scientist/Physical Oceanographer.

Job Summary: This position is for an Atmospheric Scientist or Physical Oceanographer with a background spanning mesoscale to small-scale processes in the coupled atmosphere/ocean system. Selected candidate will work in a team environment on multiple projects of national importance, providing the opportunity to work with a group of dedicated professionals from varied technical backgrounds. The group is involved in studies of atmospheric and ocean processes with an emphasis on remote sensing. Work typically involves analysis and interpretation of data from in situ sensors, oceanographic and atmospheric prediction models, and the use of end-to-end modeling tools used to characterize the atmosphere/ocean environment.

Duties:
1. Develop and apply knowledge of atmospheric/ocean physics to problems concerning in situ and remote sensing systems. (30%)
2. Collect and assess environmental data related to upcoming tests or for model assessments. New analysis techniques will be developed and new data sources will be obtained as needed to support the environmental assessment goals. (30%)
3. Develop and maintain an expertise in numerical weather prediction and environmental ocean modeling including analysis of data products from operational and research models. (20%)
4. Analyze data and compare results with analytical and numerical model predictions. (20%)
Note: This job summary and listing of duties is for the purpose of describing the position and its essential functions at time of hire and may change over time.

Qualifications - External
Required Qualifications: PhD in atmospheric sciences, physical oceanogrphy, ocean engineering, geophysical fluid dynamics or other related field. Well developed computer programming skills applicable to scientific analysis (e.g., MATLAB, FORTRAN). Relevant experience to include data analysis relevant to small and mesoscale atmosphere/ocean processes and a strong background in statistics and signal processing, Strong oral communication skills.

Desired Qualifications: Experience analyzing output from operational and research numerical weather prediction codes and ocean models. Operational meteorology and real-time oceanographic analysis in support of field test support.

Special Working Conditions: Some travel and working in closed areas required.

Security: Top Secret Clearance is required. Applicants selected will be subject to a Government security investigation and must meet the eligibility requirements for an SSBI and access to classified information. Preference for current SSBI. Eligibility requirements include US citizenship.

Benefits: APL offers a comprehensive benefits package including a liberal vacation plan, a matching retirement program, significant educational assistance, a scholarship tuition program for staff with dependents, and competitive salaries

commensurate with skills and experience. For more information about our organization, please visit our web site at www.jhuapl.edu.