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STS

Associate/Senior Professional

Clearance: Secret

Posted: 2/23/2005

Sonar Performance Prediction Analyst

Job Description: Position involves mathematical modeling and prediction of the performance of legacy and proposed sonar systems in different environments with marine physics-based acoustic propagation model development. Duties include underwater acoustic performance predictions for Navy sonar systems, analysis of oceanographic and marine geophysical databases, acoustic model development, model validation and reconciliation against sea trial data, and documentation and presentation of results. Work as part of team with system engineers and analysts in performing system assessments and performance predictions.

Duties: Underwater acoustic performance predictions for Navy sonar systems. Analysis of oceanographic and marine geophysical databases. Acoustic model development. Model validation and reconciliation against sea trial data. Sponsor interaction and documentation of results.

Required: BS, MS, or PhD in Physics, Engineering, or Mathematics. Willingness to work under schedule pressure and maintain commitment to quality acoustic modeling. Programming skills in C/C++ in a Unix/Linux environment.

Desired: Academic concentration or background in underwater acoustics, marine physics, or oceanography. Experience in acoustic performance predictions. Ability to obtain a higher level DoD security clearance including lifestyle polygraph.

Special Working Conditions: Occasional travel to support working group meetings and participation in field tests at shore sites or onboard Navy and research vessels.

Apply online at www.jhuapl.edu/employment. Reference URI website.