

Hydrodynamic Modeler – Silver Spring, MD

Position Description

The candidate will collaborate on coastal ocean modeling with the National Oceanic and Atmospheric Administration's Coast Survey Development Laboratory (CSDL), which is located in Silver Spring, Maryland. Will provide hydrodynamic modeling support, evaluation, and expertise to NOAA's VDatum program. VDatum (vdatum.noaa.gov) is a national vertical datum transformation tool developed by NOAA. Will work with CSDL personnel on the development, evaluation, and reporting of tide modeling by using the ADCIRC model to compute spatially varying tidal datum fields and their associated uncertainties. Will work with a team of scientists across NOAA's National Ocean Service, the candidate will develop these tidal datum products for use in the VDatum software.

Travel to off-site locations may be necessary to present results, discuss modeling techniques, evaluate results, develop procedures, and to observe operation centers.

Required Skills

2+ years of experience in setting and meeting project deadlines, providing input to management, and reporting results in written documentation and oral presentation. Must be able to set up, run, and evaluate hydrodynamic models - including expertise in numerical model coding, numerical model post-processing (graphics, encoding of output, web construction), accessing modern databases, parallel computation, and network applications for the development of hydrodynamic model-based systems. Must have experience with Fortran and working on Linux/Unix systems, and familiarity with MATLAB. Good communication skills and experience with project management are desirable.

Must be able to pass a background investigation to obtain a security badge to enter the applicable government facility.

Education

M.S. or Ph.D. in ocean sciences, related discipline, or equivalent.

Submit resume to ERT's Career Opportunities Web Page at:

<http://chk.tbe.taleo.net/chk04/ats/careers/searchResults.jsp?org=ERT&cws=1>

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