

the « Institut Français de Recherche pour l'Exploitation de la Mer (Ifremer) » offers

3 positions in ocean wave research based in Brest, France

The French Institute for Marine Research (Ifremer) is expanding its activities in the field of sea state modeling, for diverse geophysical and engineering applications. This activity is led by Dr. Fabrice Ardhuin as part of the project IOWAGA (European Research Council 2009 award) and the U.S. NOPP ocean wave project. Ifremer will continue to provide the best estimates of sea-state related parameters for coastal engineering, ocean circulation modelling, remote sensing, seismic noise, air-sea fluxes. To develop this activity, three positions are open.

1. Post-doctoral researcher to investigate the quantitative links between seismic noise records at the global scale, in collaboration with IPG Paris, and numerical modelling of seastates performed at Ifremer with specific adjustment for estimating the microseismic noise source. Potential candidates must have a Ph.D. in geophysics (oceanography or seismology), or physics. Duration of contract is 18 months minimum.
2. Scientist/engineer to work on wave numerical model development (WAVEWATCH III) and hindcast database management, both in close collaboration with NOAA/NCEP. Candidates must hold a masters or PhD in coastal engineering, physics or oceanography. Fluency in Fortran and UNIX is required. Duration of contract is 18 months minimum, and probably 36 months.
3. Scientist to work on numerical wave model validation, data assimilation and applications. Some prior knowledge of numerical modelling for ocean waves or circulation is desirable. The application field may be in either coastal hydrodynamics (coupled wave-current modelling or other), remote sensing or air-sea fluxes, depending on the experience and wishes of the candidate. Duration of contract is 36 months.

For all positions, applications must be submitted via e-mail, with a complete overview of education and previous practice (CV), list of publication (if any), as well as names and addresses of 2 scientific references. Applications and inquiries should be sent to Dr Fabrice Ardhuin (ardhuin@ifremer.fr). For the first two, all applications received before April 1st will be considered. The positions are open until filled, but the expected start date for the first two is May 1st 2010, the third is expected to start December 1st 2010.

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