

HF Radar-Related Job Postings, February 2016

SAUDI ARABIA: King Abdullah University of Science and Technology (KAUST) Red Sea Research Center, Post-doctoral fellowship opportunity in Physical/Interdisciplinary Oceanography

The Saudi Aramco-KAUST Marine Environmental Research Center is seeking a recent Ph.D. with a background and interest in integrated coastal observing and an emphasis on surface current mapping using high frequency radar and autonomous vehicles. The marine observatory includes autonomous real-time observations coupled to a real-time operational oceanographic model. Given the interdisciplinary nature of project it is desirable that the applicant has an interest in interdisciplinary oceanography with applications to biological oceanography, coral reef ecology, and coastal/open sea interactions.

We are seeking individuals who have strong interdisciplinary interests and are capable of working collaboratively within an international, interdisciplinary group. All applicants are required to have a Ph.D. with demonstrated expertise in their respective areas. KAUST is a graduate research university located on the edge of the Red Sea in Thuwal, Saudi Arabia (<http://www.kaust.edu.sa/>).

Qualifications/Competencies

1. PhD in Physical or Interdisciplinary Oceanography (or other related field);
2. Proven publication record in the field;
3. Documented experience working coastal observational networks including experience with surface current mapping observations;

4. Competency in applying and interpreting statistical analyses;
5. Fluent in English, both spoken and written;
6. Excellent written and verbal communication skills;
7. Ability to work in multidisciplinary teams;
8. Ability to produce high quality deliverables on time and to work in a multi-tasking environment;
9. Good organizational skills and a strong ability to accomplish

The position is for three years (renewal each year depending on performance) and includes a competitive tax-free salary and other benefits (housing, health and life insurances, etc.). To apply, please submit a single PDF file with a cover letter, including a brief statement of research interests (no more than 2 pages), detailed curriculum vitae, and the contact information of three references to Jennifer Otoadese, jennifer.otoadese@kaust.edu.sa.

AUSTRALIA: Postdoctoral Scientist in Sydney Australia, HF Radar and Surface Circulation off SE Australia

The University of New South Wales, Coastal and Regional Oceanography Lab www.oceanography.unsw.edu.au invites applications for a postdoctoral researcher to work on surface current mapping with HF radar.

In collaboration with the Sydney Institute of Marine Science and Australia's Integrated Marine Observing System (IMOS) this research would include data analysis, grant writing and project management. The ideal candidate would possess competencies including familiarity with HF radar, operational skills in field/computer work, knowledge of coastal oceanography including sub-mesoscale dynamics, data analysis skills, organizational skills, team leadership skills, and evidence of prior accomplishments.

There is flexibility in the focus of analysis and research priorities, depending on interest. However, present projects include diagnosing the sub-mesoscale dynamics of frontal instabilities on the inshore edge of the East Australian Current, data assimilation of surface currents into ROMS models, and connectivity of coastal waters, including the transport of estuarine outflows, pollutants and larvae adjacent to a western boundary current.

The successful candidate will coordinate the installation of a new CODAR system to be undertaken by the Sydney Institute of Marine Science in collaboration with Australia's HF Radar facility (ACORN), while working with data from extant sites on the coast of SE Australia.

The successful candidate will work under supervision of UNSW Professor Moninya Roughan and will work closely with other oceanographers and the IMOS team, developing new products from HF-radar data, working with modelers to assimilate HF-radar data, and working with the legacy data from the Coffs Harbour WERA array.

Funding is available for 1.5 years with the potential for ongoing opportunities as additional sites are added to the network. The position is based in Sydney at UNSW Australia and will be filled as soon as possible. Starting salary is ~ \$85,000 AUDpa. Package includes 9% superannuation and 4 weeks annual leave. UNSW is located in Randwick, adjacent to beautiful Coogee Beach, and not far from world famous Bondi Beach! Review of applications will start on 1 March 2016, and continue until filled.

Applicants should send a letter outlining experience and expertise, and why this job would be a good fit along with a CV and the names of 3 references by email to Prof. Moninya Roughan at UNSW Australia mroughan@unsw.edu.au

UNITED STATES: Postdoctoral Researcher, HF Radar and Surface Circulation off California

The University of California Davis invites applications for a postdoctoral researcher to work on surface current mapping with HF radar. In collaboration with the Central and Northern Coastal Ocean Observing System (CeNCOOS), this research would include data analysis, field/data operations, and report/proposal writing. The ideal candidate would possess competencies including knowledge of coastal oceanography, data analysis skills, familiarity with HF radar, operational skills in field/computer work, organizational skills, team leadership skills, grant writing experience, and evidence of prior accomplishments. There is flexibility in the focus of analysis and research priorities, depending on interest. The successful candidate will act as coordinator of the 27-site CeNCOOS HF-radar network extending from Oregon to Point Conception, working under supervision of UC Davis Professor John Largier and working closely with other CeNCOOS teams (as well as networking with additional HF-radar teams along the west coast and across the nation). Developing new products from HF-radar data, working with modelers to assimilate HF-radar data, and working with the ten-year legacy California HF-radar data set are additional opportunities. Funding is available for 1.5 years with the potential for ongoing funding. The position is based at the Bodega Marine Laboratory (UC Davis) and will be filled as soon as possible, but it will remain open until filled. Review of applications will start on 1 March 2016.

Applicants should send a letter outlining why this job would be a good fit along with a CV and the names of 3 references by email to Prof. John Largier, Bodega Marine Laboratory, University of California Davis at jlargier@ucdavis.edu