



Jniversity of the Highlands and Islands Dilthigh na Gàidhealtachd Igus nan Eilean

North Highland College University of the Highlands and Islands

We are looking for a...

Research Fellow Offshore Renewable Energy and the Environment

Salary: £30,066 – £32,641 (Post-doctoral Researcher) or £35,467 – £38,420 (Research Fellow)

+ 45 days holiday in a full year (inclusive of 14 public/general holidays)

+ Enrolment into Local Government Superannuation Scheme

This is an exciting opportunity to join a multidisciplinary research group working with Ørsted, the world's largest offshore-windfarm developer. The successful candidate will lead the design of novel environmental monitoring technologies, platforms and analysis techniques to inform ecological understanding and future management priorities, as offshore wind fulfils increasing global demand for clean energy.

The candidate will join the 'Renewable Energy and the Environment' team at the Environmental Research Institute (ERI) in Thurso, on the north coast of Scotland. The ERI is close to many outstanding marine-energy resources. Sustainable use of these wind, wave and tidal-stream resources is key to achieving ambitious national and international renewable-energy targets.

Our work is interdisciplinary, encompassing ecology, engineering, oceanography, marine sensing and robotics, and involving collaboration with regional, national and international partners. The candidate will benefit from the purpose-built 'Centre for Energy and the Environment' comprising modern offices, instrumentation and electronics laboratories, workshop facilities and the research vessel 'Aurora'. We are seeking a researcher with a strong technical or analytical background with an interest in marine ecosystems and offshore renewable energy (ORE).

This multi-disciplinary position would suit candidates from an engineering, ecology or oceanography background with interest in measurement techniques for understanding mobile marine species and oceanographic variation in marine habitats. The project will review sensor platforms and design surveys to understand environmental drivers of animal behaviour, including development of analysis techniques.

Applicants should have a PhD or equivalent research experience. Desirable skills and experience include:

- Hydroacoustics / fisheries acoustics.
- Oceanography, hydrodynamics.
- Marine sensing (echosounder, multibeam etc.).
- Knowledge of marine ecosystems and ORE.
- Novel sensor platforms (USV/ASV/AUVs).

Informal enquires can be made to Dr Benjamin Williamson, leader of the ERI's 'Renewable Energy and the Environment' team: benjamin.williamson@uhi.ac.uk

- Details of the PREDICT: http://eri.ac.uk/predict-project-to-find-better-ways-of-protecting-our-oceans/
- Full details and job description available at: www.eri.ac.uk/category/job-vacancies/
- Appointment will be open-ended (subject to probationary period).
- Closing date Monday 22 November 2021. Interviews planned for weeks starting 29 November 2021.

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Environmental research from a new perspective