POSITION DESCRIPTION

Position Title:	Research Officer
Position Classification:	Level 6
Position Number:	318601
Faculty/Office:	Engineering and Mathematical Sciences
School/Division:	Oceans Graduate School
Supervisor Title:	Professor
Supervisor Position Number:	101595

Your work area

The Great Southern Marine Research Facility (GSMRF) is a newly established marine research facility located at the University of Western Australia's (UWA) Albany regional campus in southern Western Australia. GSMRF houses UWA's Wave Energy Research Centre (WERC), as well as a range of marine and coastal research activities focused on Australia's south coast. The scope of research conducted with the GSMRF has recently expanded with funding provided by the Integrated Marine Observing System (IMOS) (www.imos.org.au), which is a national research infrastructure funding scheme aimed at increasing the observation and knowledge of Australia's marine environment. The specific funding provided by IMOS, through their New Technology Proving program, is directed at comprehensively evaluating a range of low-cost wave buoy technologies, benchmarked against higher cost existing technologies, as well as develop mooring and data analysis guidelines and best practices.

Reporting Structure

Reports to: Professor

Your role

As the appointee you will, under limited direction, coordinate the field operations and contribute to the research within the new technology proving project on wave measurements within the Integrated Marine Observing System. You will primarily oversee the day-to-day operations of the IMOS wave buoy testing programme, but also contribute to the field research activities of WERC focusing on the oceanography and coastal processes in the Albany region. The appointee will also liaise with and take direction and advice from the Diving, Boating and Safety officer within UWA and the Faculty of Engineering and Mathematical Sciences Technical and Safety Team.

Key responsibilities

Contribute to the planning and operations of marine-based field activities related to the IMOS project

Effectively liaise and coordinate activities with national and international research collaborators

Develop protocols to process, quality control, archive and distribute wave buoy data

Conduct the ongoing maintenance, organisation and testing of field instrumentation

Participate in marine-based field work, including assisting with boating and diving activities

Contribute to the post-processing, quality control, analysis and archiving of field data sets

Present data or results to researchers and contribute to technical reports or other publications

Supervise and train staff

Other duties as directed

Your specific work capabilities (selection criteria)

A BSc degree in science or engineering with relevant experience

Demonstrated experience in the use of scientific instrumentation, including the preparation, deployment/retrieval, downloading and post-processing of data (or a willingness to acquire them)

Demonstrated ability to be 'hands-on' as required to diagnose, repair, or fabricate equipment

Experience conducting and coordinating marine field-based activities or industry projects

Relevant experience and the qualifications (or a willingness to acquire them) necessary to skipper small research vessels (e.g., Coxswains Grade 1). Diving qualifications (or a willingness to acquire them) is also desirable but not essential

Excellent written and verbal communication skills

Experience with data analysis using software such as Matlab or Python

Relevant knowledge of basic aspects of IT and computing. Electronics experience is desirable

Highly developed organisational skills, along with demonstrated ability to set priorities and to meet deadlines

Ability to work autonomously and interact with research collaborators and end users

Special Requirements

Occasional travel within the state may be required

Occasional interstate travel may be required

Compliance

Workplace Health & Safety

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements. Details of the safety obligations can be accessed at http://www.safety.uwa.edu.au

Inclusion & Diversity

All staff members are required to comply with the University's Code of Ethics, Code of Conduct and Inclusion and Diversity principles. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/policies/policies/conduct/code, http://www.web.uwa.edu.au/inclusion-diversity.