



Position Title:	Research Associate
Position Classification:	Level A/B
Position Number:	NEW
Faculty/Office:	Faculty of Engineering and Mathematical Sciences
School/Division:	Oceans Graduate School
Centre/Section:	
Supervisor Title:	Associate Professor
Supervisor Position Number:	308134

Your work area

The Oceans Graduate School engages in fundamental and applied research to find solutions for the critical issues facing our oceans, coasts and estuaries. Our School operates state-of-the-art facilities around Western Australia used for world-class marine research to investigate the ocean. The Oceans Graduate School engages with partners around the world, including other universities, governments and research institutions, so more can be done to better our oceans and ensure a healthy future for our population.

Reporting Structure

Reports to: Associate Professor

Your role

You will work on a project seeking to further our understanding of ocean mixing processes. Specifically, we aim to test existing and develop new parametric relationships that lead to improvements in turbulence closure models employed in ocean circulation models. This will be achieved by using existing ocean observations and/or turbulence resolving numerical models. You will be part of a dynamic and supportive research group focused on related projects.

Your key responsibilities

Undertake independent and collaborative research within the area of ocean turbulence and mixing to generate research output of high impact

Supervise research students at both the undergraduate and postgraduate levels

Work with other academics to develop and contribute to research bids for funding from nationally competitive funding agencies; collaborative research projects involving industry; and government partners or internationally

Keep clear and detailed records of methods and workflows

Work in accordance with the University's values, policies, delegations, financial regulations and other procedures; demonstrating tolerance and open mindedness, with understanding of the diverse nature of the University's community

Other duties as required

Your specific work capabilities (selection criteria)

PhD in Physical Oceanography, Meteorology or a Fluid mechanics-related discipline

Experience analysing turbulence observations from field, laboratory or numerical data

Strong computational skills with the ability to organise and process large data sets

Willingness to supervise Honours, Masters and PhD students

Highly developed interpersonal, verbal and written communication skills with the ability to work effectively as part of a team

The ability to work independently and show initiative

Special requirements

Possibility to work remotely while COVID-19 restrictions persist

Compliance

Workplace Health and 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>

Equity and Diversity

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/publications/code_of_ethics, <http://www.equity.uwa.edu.au>