

Position Description

Research Associate

Position Number: 00048751
Position Title: Research Associate
Date Written: September 2018

Faculty / Division: UNSW Canberra
School / Unit: PEMS
Position Level: Level A

ORGANISATIONAL ENVIRONMENT

UNSW is currently implementing a ten year strategy to 2025 and our ambition for the next decade is nothing less than to establish UNSW as Australia's global university. We aspire to this in the belief that a great university, which is a global leader in discovery, innovation, impact, education and thought leadership, can make an enormous difference to the lives of people in Australia and around the world.

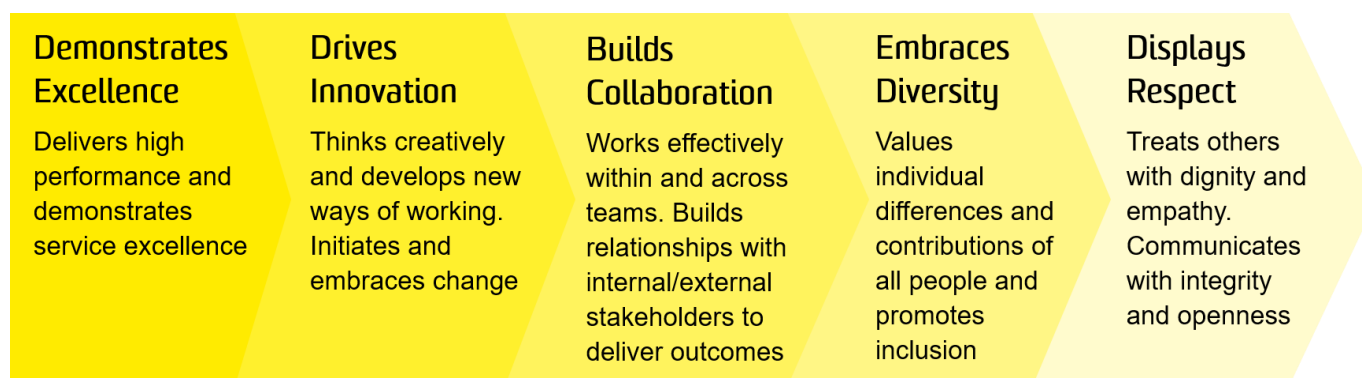
Following extensive consultation in 2015, we identified three strategic priority areas. Firstly, a drive for academic excellence in research and education. Universities are often classified as 'research intensive' or 'teaching intensive'. UNSW is proud to be an exemplar of both. We are amongst a limited group of universities worldwide capable of delivering research excellence alongside the highest quality education on a large scale. Secondly, a passion for social engagement, which improves lives through advancing equality, diversity, open debate and economic progress. Thirdly, a commitment to achieving global impact through sharing our capability in research and education in the highest quality partnerships with institutions in both developed and emerging societies. We regard the interplay of academic excellence, social engagement and global impact as the hallmarks of a great forward-looking 21st century university.

To achieve this ambition we are attracting the very best academic and professional staff to play leadership roles in our organisation.

UNSW BEHAVIOURS

UNSW recognises the role of employees in driving a high performance culture. The behavioural expectations for UNSW are below.

Please refer to the UNSW Behavioural Indicators for the expectations of your career level A.



OVERVIEW OF RELEVANT AREA AND POSITION SUMMARY

The Research Associate Position is located within the Sino-Australian Research Centre for Coastal Management (SARCCM) in the School of Physical, Environmental and Mathematical Sciences at UNSW Canberra. The Position supports the research activities of the interdisciplinary/multidisciplinary Centre and contributes to the establishment, consolidation and expansion of the UNSW-Ocean University (OUC) Double-Master-Degrees Program and UNSW-Guangdong Ocean University/UNSW-Shandong University of Science and Technology Double-Master-Degrees Programs.

The Research Associate position reports to the Director of SARCCM.

RESPONSIBILITIES

Specific responsibilities for this role include:

1. Conduct research as directed by the research team leader.
2. Design experiments, collate and write up results and contribute to the preparation and submission of publications.
3. Co-supervise postgraduate research, where appropriate, or otherwise offer expert advice within the field of the staff member's area of research.
4. Contribute to the preparation of research proposal submissions to external funding bodies.
5. Attend meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental meetings.
6. Undertake School Sessional teaching activities as required.
7. Undertake a range of administrative tasks as directed.
8. Cooperate with all health and safety policies and procedures of the university and ensure hazards and risks are identified and controlled for tasks, projects and activities that pose a health and safety risk within your area of responsibility.

SELECTION CRITERIA

1. A PhD in physical oceanography, sediment transport dynamics or ocean modelling, or related field.
2. Demonstrated ability to conduct quality research in hydrodynamics and sediment transport dynamics in estuaries and coastal oceans.
3. Ability to, or experience in running various configurations of ocean models for understanding mechanisms/processes, and in using data for model validation/verification.
4. Demonstrated ability to work flexibly and independently as well as part of a team and to form and maintain effective working relationships with a range of colleagues and collaborators.
5. Excellent written and verbal communication skills including the ability to document results and communicate effectively with colleagues and clients in order to meet project goals and timelines
6. Experience and skill in ocean observation and field works.
7. Experience using data visualisation software and web design (e.g., Matlab, html).
8. The ability to undertake high quality undergraduate teaching.
9. Knowledge of health and safety responsibilities and the ability and capacity to implement required UNSW health and safety policies and procedures.

It is not the intention of the position description to limit the scope or accountabilities of the position but to highlight the most important aspects of the position. The aspects mentioned above may be altered in accordance with the changing requirements of the role.