Position Description

Faculty-supported Postdoctoral Fellow

Position Number: XXXXXX
Position Title: Faculty-supported Postdoctoral Fellow
Date Written: October 2018

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.

Values in Action: Our 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 (Level A / B).
OVERVIEW OF RELEVANT AREA AND POSITION SUMMARY

The Faculty of Engineering at UNSW is a national and international leader in engineering research and education and is the University's premier research Faculty. It is the largest Engineering Faculty in Australia, graduating the largest number of engineers and with the largest research expenditure. Through excellence in fundamental and applied research the Faculty aims to be placed in the top 20 internationally by 2025. For more information about the Faculty of Engineering please refer to the Faculty website: https://www.engineering.unsw.edu.au/about-us

Details of the research environment and organisational structure of the School in which the appointee is placed can be found at the relevant Faculty of Engineering School website.

The Faculty-supported Postdoctoral Fellow carries out original research related to the appointee’s field(s) of research specialisation in accordance with Faculty of Engineering research goals and approaches, procures funding appropriate to implementation and expansion of research activity and develops new research directions and collaborations at a level appropriate to the position of a Research Associate (Level A) or Senior Research Associate (Level B).

The role of Faculty-supported Postdoctoral Fellow reports to the Head of School in which appointed and has no direct reports.

RESPONSIBILITIES

Specific responsibilities for this role include:

Level A

- Conduct original research in the area of specialisation.
- Implement experimental and/or computational program of research as appropriate to the field of specialisation.
- Produce research output (journal papers, patents, etc) such that results, implications and impact of research activity are evident to external parties.
- Provide support, as directed by Head of School, to post-graduate and undergraduate research students.
- Work both individually and with appointed mentors and other collaborators to attract competitive grant and/or industry funding.
- In collaboration with senior staff, develop new research directions and collaborations at a level appropriate to the position of a Research Associate (Level A)
- Limited administrative functions primarily connected with the area of specialisation and attendance at departmental/faculty meetings and/or membership of a limited number of Committees as required.
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

Level B

- Conduct original research in the area of specialisation.
- Implement experimental and/or computational program of research as appropriate to the field of specialisation.
- Produce research output (journal papers, patents, etc) such that results, implications and impact of research activity are evident to external parties.
- Supervision of research undertaken by post-graduate and undergraduate students, typically as co- or joint supervisor.
• Work both individually and with appointed mentors and other collaborators to attract competitive grant and/or industry funding.

• Develop new research directions and collaborations at a level appropriate to the position of a Senior Research Associate (Level B)

• A range of administrative functions primarily connected with the area of specialisation and attendance at departmental/faculty meetings and/or membership of a limited number of Committees as required.

• Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others

SELECTION CRITERIA

Level A

• PhD in an appropriate engineering or related discipline.

• Proven research experience in nominated area of specialisation.

• Demonstrated track record of publications and conference presentations relative to opportunity in the nominated area of specialisation.

• Strong interpersonal skills with demonstrated ability to communicate and interact with a diverse range of stakeholders and work effectively within interdisciplinary teams.

• Ability to support postgraduate and undergraduate students in research related to area of specialisation.

• Knowledge or understanding of how to attract competitive grant or industry funding

• Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training

Level B

• PhD in an appropriate engineering or related discipline.

• Proven research experience in nominated area of specialisation.

• Strong track record of publications and conference presentations relative to opportunity in the nominated area of specialisation.

• Strong interpersonal skills with demonstrated ability to communicate and interact with a diverse range of stakeholders and work effectively within interdisciplinary teams.

• Demonstrated ability to supervise postgraduate and undergraduate students in research related to area of specialisation.

• Knowledge or understanding of how to attract competitive grant or industry funding

• Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training

PRE EMPLOYMENT CHECKS REQUIRED FOR THIS POSITION

• Qualification verification

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.