POSITION DESCRIPTION

Research Associate

Position Level A
Faculty/Division Engineering
Position Number 00198032
Original document creation 15/04/2024

Position Summary

A Research Associate (Level A) is expected to carry out independent and/or team research within the field in which they are appointed and to carry out activities to develop their research expertise relevant to their particular field of research.

The role of Research Associate reports to Professor Jinhong Yuan in Electrical Engineering and Telecommunications and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

- Contribute independently or as a team member in collaborative research with a focus to enhance the quality of research outcomes in the wireless and underwater acoustic communications areas.
- Conduct research (as per the norms of the discipline) and/or enable research teams to create scholarly output that is recognised by peers.
- Undertake the research projects under the guidance of a research leader and contribute to development of research activities.
- Support the dissemination of research outcomes through appropriate channels and outlets.
- Undertake discipline-appropriate research activities, e.g. surveys, literature reviews, data gathering and/or recording of results using appropriate research methods.
- Participate in and/or present at conferences and/or workshops relevant to the project as required.
• Assist with the supervision of research students and final year thesis students in the research area where required.
• Contribute to improving the technology readiness level by conducting proof of concept-based hardware experiments.
• Align with and actively demonstrate the UNSW Values in Action: Our Behaviours and the UNSW Code of Conduct.
• 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.

Skills and Experience
• A PhD (or soon to be awarded) in Electrical Engineering or Telecommunications, and/or relevant work experience.
• Proven commitment to proactively keeping up to date with discipline knowledge and developments.
• Experience in delay-doppler domain modulation and/or underwater communications.
• Demonstrated ability to undertake high quality academic research and conduct independent research with limited supervision.
• Demonstrated track record of publications and conference presentations relative to opportunity.
• Demonstrated ability to work in a team, collaborate across disciplines and build effective relationships.
• Evidence of highly developed interpersonal skills.
• Demonstrated ability to communicate and interact with a diverse range of stakeholders and students.
• An understanding of and commitment to UNSW’s aims, objectives and values in action, together with relevant policies and guidelines.
• Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training.

Pre-employment checks required for this position
• Verification of qualifications
• Australian or New Zealand citizenship

Eligibility:
• The successful candidate will be required to work from the UNSW Kensington campus. To be successful you, must have Australian, New Zealand, or NATO Citizenship.
About this document
This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.