POSITION DESCRIPTION

Research Associate
Manufacturing Engineering

<table>
<thead>
<tr>
<th>Position Level</th>
<th>Level A</th>
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<tbody>
<tr>
<td>Faculty/Division</td>
<td>UNSW Canberra (ADFA)</td>
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<tr>
<td>School</td>
<td>School of Engineering and Information Technology</td>
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<td>Position Number</td>
<td>00095623</td>
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<td>Original Document creation</td>
<td>27/07/2021</td>
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Position Summary

The Research Associate position is situated within the School of Engineering and Information Technology. As a member of a research team, the Research Associate will undertake research as directed by the Chief Investigator (CI). The position will involve research activity in multidisciplinary settings requiring skills applied to machine learning and/or manufacturing process monitoring. The Research Associate will contribute to the development of research results and their publication in international journals, participate at a national and/or international conference/s and undertakes a range of teaching duties.

Where negotiated with the Chief Investigator and the Head of School, the Research Associate may undertake teaching responsibilities as appropriate.

The role of Research Associate reports to the Chief Investigator (CI) of the grant.

Accountabilities

Specific accountabilities for this role include:

- Conduct research as directed by the research team leader.
- Prepare reports summarising the findings gained from research and prepare research proposals for submission, including applications for external funding.
- Liaise with the industry sponsor for the project.
- Prepare journal and conference publications based on the research.
- Contribute to the preparation of research proposal submissions to external funding bodies.
- Contribute to School teaching activities as required.
- Interact with undergraduate and postgraduate students and assist in their supervision.
Undertake a range of administrative tasks as directed.
Contribute to the common activities of the School, Faculty and University.
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
Align with and actively demonstrate the UNSW Values in Action: Our Behaviours and the UNSW Code of Conduct.

Skills and Experience

A PhD in Engineering, Applied Mathematics, Machine Learning or a related area.
A demonstrated ability to conduct innovative and independent research.
A record of papers in high quality journals and/or conferences of high ranking in the field.
Ability to conduct high quality teaching in a University environment and willingness to undertake teaching duties as required.
Excellent interpersonal, oral and written communication skills appropriate for interacting effectively with team members, collaborators and colleagues across the Faculty.
Demonstrated ability to work as a member of a multi-disciplinary team showing initiative and taking direction as appropriate to the situation.
Demonstrated ability to complete tasks within agreed time frames, with suitable supervision.
Knowledge of health and safety responsibilities and the ability and capacity to implement required UNSW health and safety policies and procedures.

Pre-Employment checks required for this position

Verification of Qualifications
Criminal History Check
Identification Check

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.