Associate Professor – Data Science

Position Number: XXXXXX Position Title: Associate Professor – Data Science Date Written: October 2018	Faculty / Division: Faculty of Engineering School / Unit: School of Computer Science Position Level: Level D

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.
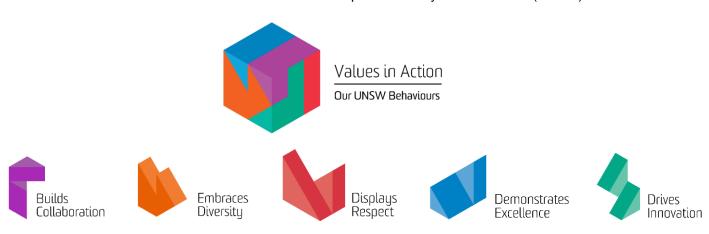
Following extensive consultation in 2015, we identified three strategic priority areas. Firstly, a drive for academic excellence in research and education. Universities are often classified as 'research intensive' or 'teaching intensive'. UNSW is proud to be an exemplar of both. We are amongst a limited 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.

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 D).

OVERVIEW OF RELEVANT AREA AND POSITION SUMMARY

The School of Computer Science and Engineering is one of the largest and most prestigious computing schools in Australia. It offers undergraduate programs in Software Engineering, Computer Engineering, Computer Science and Bioinformatics, as well as a number of combined degrees with other disciplines. It attracts excellent students who have an outstanding record in international competitions. At the postgraduate level there is a large PhD research program and coursework programs at the Master's and Graduate Diploma level in Computing and Information Technology and at Graduate Certificate level in Computing. Our research mission is to be at the forefront of research into new and exciting innovations with profound national and international impact. For further information about the School, please visit http://www.cse.unsw.edu.au/

The purpose of this role is to deliver outstanding research and teaching in the area of Data Science, preferably with a focus in one of databases, data mining or machine learning. An academic at Level D plays a key role in leading and advancing outstanding research at national and international level.

The role of Associate Professor reports to the Head of School, and has nil direct reports.

RESPONSIBILITIES

It is expected that the appointee at level D will continue to provide a significant contribution to their discipline and deliver satisfactory performance and leadership. Specific performance expectations will be set individually with the Head of School/Supervisor.

The specific duties of the **Associate Professor** include (but are not limited to):
- Conduct research of high quality and high international impact including attainment of competitive government and industry research funding and publication of outcomes in high quality research outlets
- Play a significant role in the leadership of research projects including, where appropriate, leadership of a research team
- Deliver high quality teaching and student experience utilising sound pedagogical methodologies and innovative technologies and, from time to time, deliver teaching across a broad engineering discipline
- High quality supervision of honours and postgraduate research projects
- Provide leadership in developing significant productive relationships and engagement with industry and the community, attract significant industry funding and participate in professional activities
- Work collaboratively with peers across the Faculty and UNSW in all aspects of academic endeavour and contribute to mentoring of other staff
- Provide high level contribution to broad administrative functions in the School and/or University, including course coordination, attending departmental and/or Faculty meetings, involvement in Open days and recruitment activities and play a major role in planning and/or committee work or other duties as requested by the Head of School
- Provides a significant contribution to the profession and discipline
- 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

- PhD in computer science and engineering or related area with a focus on one of databases, data mining or machine learning.
- Significant track record in research leadership with outcomes of high quality and high international impact with clear evidence of the desire and ability to continually achieve research excellence and deliver research leadership
- Record of outstanding delivery of high quality of teaching and student experience at both undergraduate and postgraduate levels and ability to develop innovative teaching methods
- Excellent record of recruiting and supervising high calibre students
- Demonstrated leadership in building engagement and partnerships with the profession and industry

- High level communication skills and ability to network effectively and interact with a diverse range of students and staff
- Demonstrated ability to work in a team, mentor other staff, collaborate across disciplines and build effective relationships
- Willingness to undertake any compliance and supervisor training as required
- Ability and capacity to implement required UNSW health and safety policies and procedures and knowledge of equal opportunity principles

> *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.*