



Position Description

College/Division:	College of Engineering & Computer Science
Position Title:	Associate Professor/Professor
Classification:	Academic Level E
Responsible to:	Deputy Dean

PURPOSE STATEMENT:

The ANU College of Engineering and Computer Science is dedicated to contributing to The Australian National University's reputation for excellence in research and research-led education, bringing together expertise across a range of areas to reimagine the role of engineering and computing for future generations.

This position is to support the College Dean to shape an agenda to transform the way science and technology are integrated with communities and society in the 21st century. This includes reimagining the physical environment, research, teaching and collaborative spaces on campus, helping us to create an inviting and cohesive College precinct for our staff and students

KEY ACCOUNTABILITY AREAS:

About the Reimagine Project:

The Dean of the ANU College of Engineering and Computer Science is leading the Reimagine Project, a new type of engineering and computing, one that is custom built and fit for the middle of the 21st century. This is an interdisciplinary venture, with the aim to attract the very best and brightest from around the world to find and solve problems – not just engineers or computer scientists but the brightest minds both from industry and academia, with varied backgrounds and areas of expertise.

The purpose of this appointment is to:

- Support the establishment of an innovative, interdisciplinary, outwardly-focused research program;
- Support the development of partnerships with industry and engage with the wider research community to embed progressive engineering and computing research and education capabilities;
- Contribute to development of modern, unique programs that are globally relevant to equip our students with diverse and multidisciplinary skills.

Position Dimension & Relationships:

The position will be accountable to the Deputy Dean, working in close collaboration with the College Dean, industry, government and other academic and professional staff across the University.

As a senior academic, the role involves the conduct of independent and/or team research activities at the highest international level in a highly diverse and collaborative environment; strong contributions to teaching and learning at both postgraduate and undergraduate levels; a commitment to the effective administration of the College; and a strong engagement in cross discipline studies within the College and the broader University environment, to integrate efforts and build critical mass in progressing the agenda of the Reimagine Project.

The staff member is expected to contribute cooperatively to the overall intellectual life of the College and University.

Role Statement:

In their role as ANU academic level E the appointee will be expected to:

1. Undertake and foster high impact independent research in a relevant area or a related area in alignment to the strategies of the Reimagine Project
2. High level involvement in the sharing of new body of knowledge through Technology and/or a combination of these research areas that are strategically complementary to the existing expertise of the College with a view to publishing original, innovative and multi-disciplinary results in international refereed journals, present research at academic seminars and at prestigious national and international conferences, and

collaborate with other researchers at an international level.

3. Take a lead role in seeking and generating resources to support the building of the new applied science through engagements with a range of funding bodies through the preparation of a combination of multi-party collaborative research proposals such as the Australian Research Council (ARC), industry funds and approved consultancy arrangements.
4. Make a distinguished contribution to the teaching activities of the College at the undergraduate and graduate levels. This includes, but is not limited to, taking a leadership role in curriculum design and review, design and implementation of innovative pedagogy, and establishment of degree programs in collaboration with colleagues.
5. Supervise students working on individual or group projects at undergraduate, honours, graduate-coursework levels. Supervision of research students.
6. Lead, supervise and develop less senior academic and research support staff in the School. Providing leadership, mentoring and career development advice in alignment with the performance development process at the ANU.
7. Proactively contribute to all aspects of the operation of the College and University more broadly. This may include taking on leadership and broad supervisory roles.
8. Lead and initiate community outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
9. Maintain and actively promote high academic standards in all education, research and administration endeavours undertaken by the College and the University.
10. Take responsibility for their own workplace health and safety and not willfully place at risk the health and safety of another person in the workplace.
11. Other duties as required consistent with the classification level of the position.

SELECTION CRITERIA:

1. A PhD or equivalent that is relevant to the broad disciplines of engineering and computer science, or a related area, with an outstanding track record of independent research as evidenced by high impact research outputs in industry, government or academic environments.
2. Proven capacity to contribute to the strategic priorities and activities of the Reimagine project, including a commitment to enhancing diversity.
3. Highly demonstrated orientation to collaborative research, team based projects and interdisciplinary activities and interests.
4. An extensive record of leading and winning bids for external funding (if relevant to your industry) to support individual and collaborative research activities, and the ability to identify similar opportunities for others to pursue and to provide mentoring in the process.
5. Demonstrated capacity to effectively support the management of a research facility by setting a strategic vision, clear research directions, budgets and goals for all staff/students, driving domestic and international collaboration at the highest level that ensures continuity of research and field leadership positions.
6. Excellent oral and written English language skills and a demonstrated ability to inspire a wide range of audiences, including in a cross-disciplinary areas and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
7. The ability to make a strategic and significant contribution to the education agenda of the College and, where appropriate to your industry, evidence of outstanding teaching at all levels.
8. Highly demonstrated capacity to foster graduate student education and inspire undergraduate students along with a commitment to outreach activities involving the general community, schools, public sector, industry and the wider research community
9. Proven ability to provide leadership to early and mid-career researchers and to mentor and develop colleagues to achieve goals in alignment with the College's strategic priorities, particularly in relation to building a diverse and inclusive community life
10. A demonstrated high-level understanding of equal employment opportunities principles and a commitment to the application of these policies in a University context.

Consistent with their relative opportunity to do so, a **Professor** is expected to possess advanced academic qualifications, broad expertise and deep knowledge in the relevant discipline area, and in this case, demonstrated

capability to work beyond their own domains. Academic positions are expected to possess leadership skills in order to foster excellence in that field of research within the university, the discipline and/or the profession and within the scholarly and/or general community. Experience in directing significant research groups, either in academia, industry or government in secure hardware and software systems is also expected.

Supervisor Signature:		Date:	
Printed Name:		Uni ID:	

References:Academic Minimum Standards