Position Description

College/Division:	College of Engineering & Computer Science
School/Centre:	Autonomy, Agency and Assurance (3A) Institute
Department/Unit:	
Position Title:	Associate Professor/Professor
Classification:	Academic Level D/E
Position No:	
Responsible to:	Institute Director

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. The College is at the leading edge within numerous fields, including logic, algorithms and data, signal processing, artificial intelligence, computer vision and robotics, computational mechanics, materials, fabrication, big software systems, renewable energy, networked systems and quantum cybernetics.

This position provides high-level research leadership in Autonomy, Agency and Assurance (3A) , strengthening the ANU as an internationally recognized center of excellence in transforming the way science and technology are integrated with communities and society in the 21st century. The position is expected to have a strong engagement with the local industry, end-users, other researchers and the wider public.

The purpose of this appointment is to

- Establish an innovative, interdisciplinary, outwardly-focused research program;
- Develop partnerships with industry and engage with the wider research community to embed progressive engineering and computing research capabilities
- Contribute to the strategic priorities of the 3A Institute and the enduring mission of ANU

The position will support the Institute Director in setting the strategic agenda for the 3A Institute and across the ANU, including the operational management of the research program(s), the supervision of students and early career researchers, engaging with industry, and generating funding support for the research through both internal and external mechanisms.

KEY ACCOUNTABILITY AREAS:

About the 3A Institute:

The Autonomy, Agency and Assurance Innovation Institute (3A Institute) ambitions to bring together the world's best researchers from around the world and a range of disciplines, to build a new applied science around the management of artificial intelligence, data and technology and of their impact on humanity.

The Australian National University (ANU) launched the 3A Institute on 4 September 2017, in collaboration with CSIRO's Data61, for an initial duration of 5 years. ANU Professor Genevieve Bell, one of the world's leading technologists and Senior Fellow at Intel Corporation, has been appointed as the 3A Institute Director. Professor Bell has pioneered futurist research at Intel and will drive the innovation, research and policy agenda of the Institute.

Position Dimension & Relationships:

The position is located in a newly created 3A Institute within the ANU College of Engineering and Computer Science. The appointee is accountable to the Institute Director.

As a senior academic position, the role involves the conduct of research at the highest international level, strong contributions to teaching and learning at both postgraduate and undergraduate levels, a commitment to the effective administration of the Institute, and a strong engagement in cross discipline studies within the broader College and University environment, to integrate efforts and build critical mass in progressing engineering and computing.

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

In this specific position the appointee will also be a point of contact for industry liaison and work in partnership

with both professional and academic to achieve the strategic priorities of the Institute, College and University.

Role Statement:

Academic Level D

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

1. Undertake high impact independent research to contribute to the creation of a new applied science, and body of unique intellectual knowledge.

2. Actively participate in the sharing of new body of knowledge through Technology and/or combination of these research areas 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. In collaboration with senior academics, actively seek and generate resources to support the building of the new applied science through engagements with a range of funding bodies through the preparation and leadership 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 strong contribution to the teaching activities of the Institute at the undergraduate and graduate levels. This includes, but is not limited to, the preparation and delivery of lectures and tutorials, the preparation and delivery of professional and executive education, the preparation of online material, marking and assessment, consultations with students, acting as a subject coordinator, the initiation and development course/subject material and actively lead overall curriculum development in the discipline and across the College.

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 Institute. 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 Institute, 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 Institute, 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:

Academic Level D:

1. A PhD that is relevant to the applied science, with a strong track record of independent research as evidenced by high impact research output in leading venues, a record of developing and maintaining collaborations with world leading researchers and institutes and by other measures such as prestigious awards, invitations to give keynote addresses at leading conferences, elite membership of professional institutes etc.

2. A very strong orientation to collaborative research, team-based projects and interdisciplinary activities and interests.

3. A strong record of leading and winning bids for external funding 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.

4. Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.

5. Evidence of effective teaching at all levels and of the ability to contribute significantly to setting the education agenda of the Institute.

6. Proven capacity to foster graduate student education, a willingness to participate in the undergraduate education program along with a demonstrated commitment to outreach activities involving the general community, schools, public sector, industry and the wider research community.

7. Ability to provide academic leadership and to mentor and develop colleagues to achieve goals in alignment with the Institute's strategic priorities, particularly in relation to building a diverse and inclusive community life.

8. A demonstrated high-level understanding of diversity and inclusion principles and a commitment to the application of these policies in a University context.

Consistent with their relative to opportunity to do so, A **Level D Academic** will normally have a relevant doctoral qualification or equivalent accreditation and standing together with subsequent research experience. There will be a requirement for academic excellence and outstanding contribution to research and in this particular position, the ability to collaborate with internal and external stakeholders outside of their domains -

A position at this level will require a demonstrated strong record of research output in the relevant discipline area.

Supervisor Signature:	**Date:**		
Printed Name: Genevieve Bell	**Uni ID:**	U1041185	
References:			
General Staff Classification Descriptors			
Academic Minimum Standards			