



## Position Description

<b>College/Division:</b>	College of Engineering & Computer Science
<b>School/Centre:</b>	Autonomy, Agency and Assurance (3A) Institute
<b>Department/Unit:</b>	
<b>Position Title:</b>	Research Fellow
<b>Classification:</b>	Academic Level B
<b>Position No:</b>	
<b>Responsible to:</b>	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 is to support and enhance the Autonomy, Agency and Assurance Institute's (3A Institute) culture of research and education excellence, 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 21<sup>st</sup> 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:

- 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 capabilities
- Contribute to the strategic priorities of the 3A Institute and the enduring mission of ANU

The position will support the Institute Director and senior academics 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 and will initially be accountable to the Institute Director.

The role involves the conduct of independent and/or team research activities at the highest international level in a highly collaborative environment; solid 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 Institute and the broader College and University environment, to integrate efforts and build critical mass in progressing the agenda of the 3A Institute.

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 required to work in partnership with both professional and academic staff within the Institute, College and University as well as establishing relationships with industry, government and the wider research community to enhance cross-disciplinary collaborations.

### **Role Statement:**

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

1. Undertake independent research activities in a collaborative and cross-disciplinary environment, to contribute to the creation of a new applied science, and body of unique intellectual knowledge.
2. Participate in the sharing of this new body of knowledge through Technology and/or a 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 a national and international conferences, and collaborate with other researchers at an international level.
3. Actively seek and generate resources to support the building of the new applied science through engagements with a range of funding bodies and also through new modes of industry engagements (including consultancy arrangements).
4. Establish relationships with industry, government and the wider research community to enhance cross-disciplinary collaborations and support the translation of research outcomes into applications.
5. Contribute 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.
6. Supervise students working on individual or group projects at undergraduate, honours, graduate-coursework levels. Supervision of research students.
7. Supervise less senior academic and research support staff in your research area.
8. Actively contribute to all aspects of the operation of the Institute, College and University more broadly.
9. Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
10. Maintain high academic standards in all education, research and administration endeavours.
11. Take responsibility for their own workplace health and safety and not wilfully place at risk the health and safety of another person in the workplace.
12. Other duties as required consistent with the classification level of the position.

### **SELECTION CRITERIA:**

1. A PhD (or equivalent) that is relevant to the applied science, with a track record of 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 strong orientation to collaborative research, team-based projects and interdisciplinary activities and interests.
3. Evidence of the ability to establish relationships with industry, government and the wider research community and facilitate the development of these relationships into collaborative and strategic research partnerships.
4. Ability to articulate a clear research vision and prosecute innovative research activities in alignment with the Institute's strategic priorities.
5. 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.
6. Ability and willingness to teach at all levels.
7. The ability to supervise and graduating high quality research students along with a willingness to

participate in the undergraduate education program and a demonstrated commitment to outreach activities involving the general community, schools, public sector, industry and the wider research community.

8. Demonstrated capacity to develop and implement initiatives in alignment with the Institute's strategic priorities, particularly in relation to building a diverse and inclusive community life
9. A demonstrated high-level understanding of equal opportunity 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 B Academic** will normally have a relevant doctoral qualification or equivalent accreditation and standing together with subsequent research experience. A position at this level will require a demonstrated record of publications, conference papers, reports and/or professional and/or technical contributions in the relevant discipline area as well as collaborations beyond their domains.

<b>Supervisor Signature:</b>		<b>Date:</b>	
Printed Name:	Genevieve Bell	<b>Uni ID:</b>	U1041185

## References:

[General Staff Classification Descriptors](#)

[Academic Minimum Standards](#)