Position Description

College/Division:	ANU College of Engineering & Computer Science
School/Centre:	Research School of Computer Science
Department/Unit:	N/A
Position Title:	Research Fellow
Classification:	Academic Level B
Position No:	TBA
Responsible to:	Dr Patrik Haslum, Research School of Computer Science

PURPOSE STATEMENT:

The ANU College of Engineering and Computer Science (CECS) is one of the premier engineering and computer science research institutions in the world. Comprising the Research School of Computer Science and the Research School of Engineering, both are recognised as research leaders in their respective areas continuing the tradition of excellence in research and research-led education.

The purpose of this appointment is to:

- Contribute to the objectives of the Collaborative Research Project "Automated Planning for Cyber Mission Assurance", with partners from the ANU, CSIRO Data61 and the DST Group.
- Strengthen the Research School of Computer Science as an international centre of excellence in automated planning and cyber security.

KEY ACCOUNTABILITY AREAS

Position Dimension & Relationships:

The position is located within the Research School of Computer Science, associated with the Planning and Optimisation Research Group.

The post is funded through a Collaborate Research Project between the ANU, CSIRO Data61 and DST Group. While this project continues, the appointee will be accountable to the lead CI.

As an academic member of the Research School of Computer Science, the appointee will be required to contribute to the research agenda of the School both nationally and internationally in a manner that is appropriate to the level of appointment. In this specific position, the appointee will also be required to contribute to the research project as part of a cross-institutional team.

The appointee will be offered the opportunity to contribute to the school's education and outreach activities, which may include the preparation and delivery of tutorials, lectures, practical classes etc. The appointee may also be asked to supervise relevant student research projects, professional and administrative support staff involved in the staff member's research, or mentor less senior staff.

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

Role Statement:

In their role as ANU academic level B in the Research School of Computer Science the appointee will be expected to:

1. Undertake independent research in the area of automated planning and/or cyber security, with a view to publishing original and innovative results in refereed journals, present research at academic seminars and at national and international conferences, and collaborate with other researchers at a national and/or international level. This will include primary responsibility for project delivery in some areas.
2. Supervise students working on individual or group projects relevant to the research project at undergraduate, honours and graduate coursework levels, as well as assist in the supervision of PhD students.
3. The appointee will be offered opportunities to contribute to the teaching activities of the School at the undergraduate and graduate levels. This includes, but is not limited to, the preparation and delivery of lectures and tutorials, the preparation of online material, marking and assessment, consultations with students, acting as subject coordinators and the initiation and development of course/subject material.
4. Contribute to securing continued external funding including through preparation and submission of research proposals to external funding bodies.
5. Supervise less senior academic staff and research support staff in your research area.
6. Actively contribute to all aspects of the operation of the School.
7. Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
8. Maintain high academic standards in all research, education and other endeavours.
9. 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.
10. Other duties as required consistent with the classification level of the position.

SELECTION CRITERIA:

1. A PhD in computer science, or a related field, with a focus relevant to the project, and a track record of independent research in this area evidenced by publications in peer-reviewed journals and conferences, a record of developing and maintaining collaborations, and by other measures such as awards, invitations to give talks at leading conferences, etc.
2. Significant expertise that is relevant to research in automated planning, specifically in planning under (quantitative) uncertainty and partial observability, knowledge engineering for automated planning, with documented ability to perform innovative research, implement algorithmic innovations and carry out experimental and empirical studies. Expertise in network security, pentesting and/or software/system vulnerability analysis is also desirable.
3. Ability to work as part of a team and towards successful project delivery and deadlines, and to coordinate and take responsibility for some team activities.
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. Ability to supervise student research projects at the undergraduate, honours, graduate coursework and masters or PhD level.
6. Ability and commitment to win bids for competitive external funding to support individual and collaborative research activities.
7. Ability and willingness to teach at all levels.
8. A demonstrated high-level understanding of equal opportunity principles and a commitment to the application of these policies in a University context.

Supervisor Signature:		**Date:**	
Printed Name:	Dr Patrik Haslum	**Uni ID:**	

Pre-Employment Work Environment Report

Position Details

College/Div/Centre	CECS	**Dept/School/Section**	RSCS
Position Title	Research Fellow	**Classification**	Academic Level B
Position No.	TBA	**Reference No.**	N/A

In accordance with the Occupational Health and Safety Act 1991 the University has a duty of care to provide a safe workplace for all staff.

- This form must be completed by the supervisor of the advertised position and forwarded with the job requisition to Appointments and Promotions Branch, Human Resources Division. Without this form jobs cannot be advertised.
- This form is used to advise potential applicants of work environment issues prior to application.
- Once an applicant has been selected for the position consideration should be given to their inclusion on the University's Health Surveillance Program where appropriate – see . http://info.anu.edu.au/hr/OHS/__Health_Surveillance_Program/index.asp Enrolment on relevant OHS training courses should also be arranged – see http://info.anu.edu.au/hr/Training_and_Development/OHS_Training/index.asp
- 'Regular' hazards identified below must be listed as 'Essential' in the Selection Criteria - see ' Employment Medical Procedures' at http://info.anu.edu.au/Policies/_DHR/Procedures/Employment_Medical_Procedures.asp

Potential Hazards

- Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a **regular** or **occasional** part of the duties.

TASK	**regular**	**occasional**	**TASK**	**regular**	**occasional**
key boarding	☒	☐	laboratory work	☐	☐
lifting, manual handling	☐	☐	work at heights	☐	☐
repetitive manual tasks	☐	☐	work in confined spaces	☐	☐
catering / food preparation	☐	☐	noise / vibration	☐	☐
fieldwork & travel	☐	☐	electricity	☐	☐
driving a vehicle	☐	☐			
NON-IONIZING RADIATION			**IONIZING RADIATION**		
solar	☐	☐	gamma, x-rays	☐	☐
ultraviolet	☐	☐	beta particles	☐	☐
infra red	☐	☐	nuclear particles	☐	☐
laser	☐	☐			
radio frequency	☐	☐			
CHEMICALS			**BIOLOGICAL MATERIALS**		
hazardous substances	☐	☐	microbiological materials	☐	☐
allergens	☐	☐	potential biological allergens	☐	☐
cytotoxics	☐	☐	laboratory animals or insects	☐	☐
mutagens/teratogens/ carcinogens	☐	☐	clinical specimens, including blood	☐	☐
pesticides / herbicides	☐	☐	genetically-manipulated specimens	☐	☐
			immunisations	☐	☐

OTHER POTENTIAL HAZARDS (please specify):

Supervisor's Signature:		**Print Name:**	Dr Patrik Haslum	**Date:**	