Australian National University

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 (Research Intensive)
Classification:	Academic Level B
Position No:	TBA
Responsible to:	Professor Tony Hosking

PURPOSE STATEMENT:

The Australian National University is one of the premier research institutions in the world. The ANU Research School of Computer Science is a recognized research leader in the area of computer science, and collaborates extensively with industry and government. The School supports a range of undergraduate degrees in computer science along with masters and doctoral postgraduate programs.

The successful candidate will:

- Strengthen the Research School of Computer Science in its efforts to become an international centre of excellence in cyber security; and
- Contribute to the objectives of externally funded research in software vulnerability discovery and mitigation

KEY ACCOUNTABILITY AREAS

Position Dimension & Relationships:

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

The post is funded by an external Next Generation Technology Fund Project grant. While this grant continues the appointee will also be accountable to the lead CI on the grant.

As an academic member of the Research School of Computer Science the appointee will be required to contribute to research, education and outreach agendas of the School both nationally and internationally in a manner that is appropriate to the level of appointment. Education activities may include the supervision of research, professional and administrative support staff involved in the staff member's research. The appointee may also be asked to supervise 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:

As an 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 software vulnerability discovery and mitigation with a view to publishing original and innovative results in the highest impact venues, present research at academic seminars and at national and international conferences, and collaborate with other researchers at a national and/or international level.
2. Assist in seeking and securing external funding including the preparation and submission of research proposals to external funding bodies.
3. Supervise less senior academic staff and research support staff in your research area.
4. Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
5. Maintain high academic standards in all education, research and administration endeavours.

6. 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.
7. Other duties as required consistent with the classification level of the position.

SELECTION CRITERIA:

1. A PhD in computer science or a related area, with a track record of independent research in fields applicable to cyber security as evidenced by high impact publications, a record of developing and maintaining collaborations and by other measures such as awards, etc.
2. Evidence of the ability to articulate and prosecute innovative research in fields relevant to software vulnerability discovery and mitigation and a vision for the activities they will undertake at the ANU.
3. An ability and commitment to developing bids for competitive external funding to support individual and collaborative research activities.
4. The ability to supervise PhD/Masters research students
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. 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:		**Uni ID:**	

References:
General Staff Classification Descriptors
Academic Minimum Standards

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:**		**Date:**	