



POSITION DESCRIPTION

Academic Positions

(In addition to the Position Classification Standards)

Position Title: Associate Research Fellow Level: A
Faculty/Division: Engineering and Information Sciences
School/Unit: School of Computing & Information Technology (SCIT)

Primary Purpose of the Position:

Contribute to the research effort of the institution and develop research expertise relevant to the field of key-evolving signatures and the applications in POS blockchain. This is a new position funded by an ARC Discovery Project and will contribute to the research capacity of the School (EIS/SCIT) with respect to its research strength "Secure blockchain".

Position Environment:

The School of Computing and Information Technology (SCIT) is one of six Schools within the Faculty of Engineering and Information Sciences at the University of Wollongong. SCIT has strong R&D links with industry and actively participates in several Co-operative Research Centres.

Major Accountabilities/Responsibilities:

Responsibilities		Outcome
1.	The conduct of research under limited supervision either as a member of a team or, where appropriate, independently, and the production or contribution to the production of conference and seminar papers and publications from that research. (Level A research-only academic shall work with support, guidance and/or direction from staff classified at Level B and above and with an increasing degree of autonomy as the research academic gains in skill and experience).	Builds upon research potential and begins to establish a research track record. Remain research active in accordance with the Research Active Policy.
2.	Involvement in professional activities including attendance at conferences and seminars in the field of expertise.	Builds upon research potential and begins to establish a research track record.
3.	Limited administrative functions primarily connected with the area of research of the academic.	Research is effectively and efficiently administered.
4.	Development of a limited amount of research-related material for teaching or other purposes with appropriate guidance from other staff. Occasional contributions to teaching in relation to his/her research project(s).	Student learning is informed by current research.
5.	Experimental design and operation of advanced laboratory and technical equipment or conduct of advanced research procedures.	Research infrastructure effectively and efficiently supports research outcomes.

6.	Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental and/or faculty meetings and/or membership of a limited number of committees.	Research efforts are collaborative.
7.	Maintain a standard and balance of performance across the core areas of academic work in accordance with the Academic Performance Framework.	Sustained contribution to the institution and field of expertise.
8.	Supervisory roles: Communicate and consult with staff on workplace and staffing matters.	To foster direct relationships with staff and enhance engagement with the organisation.
9.	Observe principles and practices of Equal Employment Opportunity	To ensure fair treatment in the workplace
10.	Have WH&S responsibilities, accountabilities and authorities as outlined in the http://staff.uow.edu.au/ohs/commitment/responsibilities/ document	To ensure a safe working environment for self & others.

Reporting Relationships:

Position Reports to:	Head, School of Computing & Information Technology (SCIT)
The position supervises the following positions:	N/A

Key Relationships:

Contact/Organisation:

Head of School
DECRA Fellow

Purpose & Frequency of contact

Report to project lead CI, Weekly
Report to project CI, Weekly

Key Challenges:).

1. Conduct literature reviews and find out the research gaps on key-evolving signatures and the applications in blockchain.
2. Develop new theories, methods and algorithms and conduct experiments.
3. Produce top-tier research publications within the field.
4. Help with other administrative stuff related to this project.

Selection Criteria:

Essential:

- Academic qualification of PhD level relevant to the field of Cryptography, Cybersecurity or Computer sciences or appropriate demonstrated progress towards completing a PhD qualification pertinent to these fields.
- Demonstrated skills/knowledge/experience relevant to the position.

- Demonstrated skills relevant to research in this position, including though not limited to, literature review, qualitative and quantitative research, laboratory methods, and publication.
- Demonstrated contribution to publications, conference papers, reports or professional or technical contributions that prove research potential. Top tier publications in the field will be desirable, which include CRYPTO, EUROCRYPT, ASIACRYPT, ACM CCS, USENIX, NDSS and IEEE S&P, as well as journal publications such as relevant IEEE Transactions.

Desirable (if applicable)

- Demonstrated participation/capacity to participate in projects related to key-evolving signatures.
- Research experience on topics related to blockchain will be a big plus.

Personal Attributes:

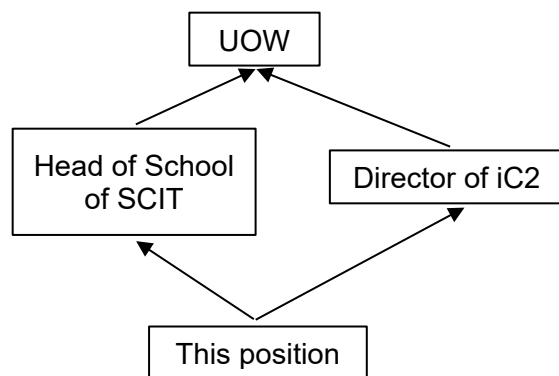
Effective communication skills; Experience of working in a collaborative environment.

Special Job Requirements:

May be required to work outside of standard business hours or across campuses and research partner facilities.

Organisational Chart:

Please attach an up to date organisational chart to this position description.



Roles and Responsibilities in Relation to Workplace Health and Safety:

For all positions

The University of Wollongong is committed to providing a safe and healthy workplace for its workers, students and visitors. All members of the University community have a collective and individual responsibility to work safely and be engaged in activities to help prevent injuries and illness.

In addition to the major accountabilities/responsibilities required for your position, you also hold the following roles and responsibilities in relation to Workplace Health and Safety:

All Staff

- Take reasonable care for your health and safety as well as others.
- Comply with any reasonable instruction by the University.

- Cooperate with any reasonable policies and procedures of the University including reporting of hazards or incidents via the University reporting process.
- Certain staff have specific responsibilities for Work Health and Safety (WHS), further information is available in the document [Roles And Responsibilities for WHS](#) and [WHS Management System](#).

Inherent Requirements:

For all positions

This position description outlines the major accountabilities/responsibilities and the selection criteria against which you will be assessed as suitable for the position. As such there will be specific job requirements that we refer to as Inherent Requirements.

Inherent Requirements refer to your ability to:

- Perform the essential duties and functional requirements of the job;
- Meet the productivity and quality requirements of the position;
- Work effectively in the team or other type of work organisation concerned; and
- Do the job without undue risk to your own or others health, safety and welfare at work.

If you have any injuries, illness, disorder, impairment, condition or incapacity that may affect your ability to perform the inherent requirements of the position, we encourage you to discuss this with the University to assist in the process of identifying reasonable adjustments to enable you to perform the duties of the position. The University wants to place you in the best situation to use your skills effectively in the position you are applying for at the University.



POSITION CLASSIFICATION STANDARD - Research Only

Level: A

Title: Associate Research Fellow

Description

A position classification standard describes the broad categories of responsibility attached to research-only academic staff at different levels. The standards are not exhaustive of all tasks in research-only academic employment, which is by its nature multi-skilled and involves an overlap of duties between levels. The standards provide an adequate basis to differentiate between the various levels of employment and define the broad relationships between classifications.

Progression through an academic career will normally be based on research, teaching, administrative functions and contribution to the profession. The balance of functions will vary according to level and position over time. It is only in exceptional circumstances that promotion would be solely on the research only position classification standards.

- General Standard
- Specific Duties
- Skill Base

General Standard

A Level A research-only academic is expected to contribute towards the research effort of the institution, and to develop her/his research expertise through the pursuit of defined properties relevant to the particular field of research.

Specific Duties

Specific duties required of a Level A research-only academic may include

- The conduct of research under limited supervision either as a member of a team or, where appropriate, independently, and the production or contribution to the production of conference and seminar papers and publications from that research.
- Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise.
- Limited administrative functions primarily connected with the area of research of the academic.
- Development of a limited amount of research-related material for teaching or other purposes with appropriate guidance from other staff.
- Occasional contributions to teaching in relation to his/her research project(s).
- Experimental design and operation of advanced laboratory and technical equipment or conduct of advanced research procedures.
- Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental and/pr faculty meetings and/or membership of a limited number of committees.
- Advice within the field of the staff member's research to postgraduate students.
- A Level A research-only academic shall work with support, guidance and/or direction from staff classified at Level B and above and with an increasing degree of autonomy as the research academic gains in skill and experience.

Skill Base

A Level A research-only academic will normally have completed four years of tertiary study in the relevant discipline or have equivalent qualifications or research experience. In many cases a position at this level will require an honours degree or higher qualifications or equivalent research experience. Research experience may have contributed to or resulted in publications, conference papers, reports or professional or technical contributions which give evidence of research potential.