

# SENIOR LECTURER

DEPARTMENT/UNIT	Department of Software Systems and Cybersecurity
FACULTY/DIVISION	Faculty of Information Technology
CLASSIFICATION	Level C
DESIGNATED CAMPUS OR LOCATION	Clayton campus

## ORGANISATIONAL CONTEXT

---

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at [www.monash.edu](http://www.monash.edu).

The **Faculty of Information Technology** aims to lead global IT research and education. Our strong reputation and international profile attracts the best students worldwide and we offer a range of accredited courses that transform our graduates into highly skilled and sought after IT professionals, equipped to work globally. Our research is multidisciplinary, multi-campus and multi-national, giving us a unique capacity to reach out further and deeper than any other institution in Australia. Our research priorities are both technically ambitious and embedded in everyday life. To learn more about the Faculty and the exciting work we do, please visit <https://www.monash.edu/it>.

The **Department of Software Systems and Cybersecurity (SSC)** is a world leader in Cybersecurity, Software Engineering, and Databases and Distributed systems. We consider the intersection of technology and human aspects in all our educational programs and research. We value collaboration, diversity, ambition, authenticity and kindness. We are driven to mentor and support the next generation of academics and train the next generation of professionals to excel in innovation and design, ensuring a resilient, efficient, sustainable, and trustworthy digital ecosystem. What separates us from other groups in these fields is that we conduct 'fundamental and applied' research and teaching. We support the faculty's mission of IT for Social Good through our applied research, which helps to protect citizens and nation-states, contributes to a fairer world, and ensures a better future for the next generations.

The department consists of three discipline groups: Cybersecurity, Databases and Distributed Systems, and Software Engineering. We are excited about further growth in our department with vacancies Cybersecurity and software engineering.

Monash University [strongly advocates diversity, equality, fairness and openness](#). We fully support the gender equity principles of the [Athena SWAN Charter](#) and invite you to join us in celebrating [women in STEMM](#). The Department of Software Systems and Cybersecurity (SSC) is a proud sponsor and partner of [STEMM Women Academic Network \(SWAN\)](#).

## POSITION PURPOSE

---

A Level C academic is expected to make contributions to the teaching effort within either the Cybersecurity or the Software Engineering discipline of the Faculty of Information Technology and to carry out activities to maintain and develop their scholarly, research, and/or professional contributions to the Cybersecurity or Software Engineering group, the department, the Faculty, the University.

The Cybersecurity group is strong, particularly in quantum-safe cryptography, blockchain, human factors and policy and practice. The Senior Lecturer position will focus on expanding in the following areas: Network/Cloud Security and Human factors in Cybersecurity (although others may apply). With respect to the Human Factors in Cybersecurity position, the person will be expected to have strengths in areas such as psychology, business studies, sociology or criminology whose interdisciplinary work applies this knowledge to technical cybersecurity problems.

The Software Engineering group is strong in areas such as Human-Centred Software Engineering, Automated Software Engineering and Software Testing. The group is seeking to develop further strengths in the technical aspects of software engineering. The successful candidate will need expertise in either or both: Software testing, including defect detection and fixing, model-based testing, program repair, and/or testing techniques; or Programming languages, including program analysis, program understanding, embedded software engineering, and/or domain-specific languages.

**Reporting Line:** The position reports to the Head of Department

**Supervisory Responsibilities:** Not applicable

**Financial Delegation:** Not applicable

**Budgetary Responsibilities:** Not applicable

## KEY RESPONSIBILITIES

---

Specific duties required of a Level C academic may include:

1. The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and/or studio sessions
2. Initiation and development of course material
3. Course coordination
4. The preparation and delivery of lectures and seminars
5. Supervision of major honours or postgraduate research projects

6. Supervision of the program of study of honours students and of postgraduate students engaged in course work
7. The conduct of research
8. Significant role in research projects including, where appropriate, leadership of a research team
9. Involvement in professional activity
10. Consultation with students
11. Broad administrative functions
12. Marking and assessment
13. Attendance at departmental, school and/or faculty meetings and a major role in planning or committee work
14. Other duties as directed from time to time

## **KEY SELECTION CRITERIA**

---

### **Education/Qualifications**

1. The appointee will have:
  - A doctoral or masters qualification in the relevant discipline area or equivalent accreditation and standing and/or recognised significant experience in the relevant discipline area.

### **Knowledge and Skills**

2. Possess a high level of interpersonal skills and demonstrated ability to work independently and as part of a team across both the education and service sectors
3. Demonstrated publication record in high-quality refereed journals, conferences equivalent textbooks or teaching resources
4. Demonstrated ability in undertaking outstanding research and leading a research team and project
5. Proven record of obtaining significant external grants for research
6. Demonstrated record of successfully supervising postgraduate research students
7. Ability to work positively and cooperatively with students, internal and external teams and external organisations
8. Demonstrated strong record of teaching experience in a tertiary environment including course coordination
9. Demonstrated ability to motivate, actively engage and educate a given audience
10. Proven ability, commitment and passion for engaging in scholarly and research activities
11. A demonstrated capacity to work in a collegiate manner with other staff in the workplace

## **OTHER JOB RELATED INFORMATION**

---

- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted
- A current satisfactory Working With Children Check is required

## **GOVERNANCE**

---

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.