Position Description – Professor, Cloud Systems Security

Position Details

Position Title: Professor, Cloud Systems Security

College: STEM

School/Group: School of Computing Technologies

Campus Location: Primarily based at City campus, and the potential to work across other RMIT campuses as required.

Classification: Academic Level E

Time Fraction: 1.0 FTE

Employment Type: Continuing

Reporting Line: Associate Dean, Cyber Security and Software Systems

No. of Direct reports: Nil

RMIT University

RMIT is a global university of technology, design and enterprise, committed to creating transformative experiences for students and making a meaningful impact through research, innovation, and engagement.

For more information on RMIT University follow the links below.
https://www.rmit.edu.au/about
https://www.universitiesaustralia.edu.au/university/rmit-university/
https://www.rmit.edu.au/about/facts-figures

Our campuses in Melbourne (City, Brunswick, Bundoora, and Point Cook) are complemented by international campuses in Vietnam and a centre in Barcelona, Spain. We proudly acknowledge the Woi Wurrung and Boon Wurrung peoples of the eastern Kulin Nation on whose unceded lands our campuses are located.

We are deeply committed to reconciliation and Indigenous self-determination, embedding these values throughout our policies, culture and structures.
https://www.rmit.edu.au/about/our-locations-and-facilities

Why join RMIT?

Our people are at the heart of everything we do. At RMIT, we value innovation, collaboration and impact. Our values are the heart (durrung) of who we are and what we stand for at RMIT. They guide what we do, how we make decisions, and how we treat each other.



Inclusion **Imagination** **Integrity** **Courage** **Passion** **Impact**

Learn more about our values: https://www.rmit.edu.au/about/our-strategy/values

Organisational Accountabilities

RMIT is committed to the safety, wellbeing and inclusion of all staff and students. As a staff member, you are expected to comply with all relevant legislation and RMIT policies, including those related to: Equal opportunity, Occupational health and safety, Privacy and trade practices & Child safety standards:

Appointees are responsible for completing all required training and ensuring that they and their team members remain up to date on relevant compliance obligations.

Staff are expected to understand and support RMIT's child safe practices as part of their professional responsibilities. More about our child safety commitment: https://www.rmit.edu.au/about/our-locations-and-facilities/facilities/safety-security/child-safety.

Leadership at RMIT

At RMIT, leadership is not defined by position or hierarchy—it is a shared responsibility demonstrated by all staff, regardless of role or title. Leadership is grounded in our six core values, which guide and shape how we work together, make decisions, and create impact.

Effective leadership means consistently integrating these values into everyday actions and interactions, whether influencing a project outcome, supporting a colleague, or leading a team. All staff are expected to embody the principles of the *Be–Know–Do* Leadership Model:

Be – We are open and authentic, inclusive and empowering. We are purpose driven role models and communicators.
Know – We are self-aware, and understand our stakeholders, our sector and priorities.
Do – We set clear direction and expectations, we develop ourselves and others and promote mutual accountability to deliver results.

At every level, leadership at RMIT is about influence, contribution, and mindset. It is reflected in how we empower others, foster collaboration, and drive positive change through capability-building and alignment to strategic goals.

STEM College

LEARN! GROW! DO!
Together transforming the world through STEM

The STEM College holds a leading position and expertise in the science, technology, engineering, mathematics, and health (STEM) fields. We are uniquely positioned to influence and partner with industry, as never before. STEM College is a community of exceptional STEM researchers, teachers, inventors, designers and game changers, supported by talented professional staff. We offer higher education programs across all STEM disciplines at the Bachelor, Master and PhD levels, and ensure our students experience an education that is work-aligned and life-changing.

The College is renowned for its exemplary research in many STEM areas including advanced manufacturing and design; computing technologies; health innovation and translational medicine; nano materials and devices; and sustainable systems. Our brilliant researchers attract funding from government and industry sources. Industry is at the heart of what we do. It ensures our research has real world impact, and our students are truly work-ready. We have established new hubs of industry-connected digital innovation and endeavour and are engaging with global STEM organisations at scale.

Our diversity and shared values empower our work, and we are proud of the College's inclusive, caring culture. We offer a safe, dynamic work environment, and support every member of our community to achieve their potential.

For further information about the STEM College please visit the following site:
https://www.rmit.edu.au/about/schools-colleges/stem-college

School of Computing Technologies

The School of Computing Technologies (SCT) provides world class computing research and innovative information technology education. We place a significant emphasis on diversity and interdisciplinarity, and aspire to transform the future of technology through integration of varied perspectives and through our distinctive research.

In the 2026 QS University Rankings by discipline, RMIT University was ranked at 117 globally for Computer Science and Information Systems, in 51-100 for Data Science, and 29 in Library and Information Management. Education programs in Computer Science, Software Engineering, Data Science, Artificial Intelligence, Cyber Security and Information Technology are offered in the School of Computing Technologies, one of Australia's largest and leading educational facilities in the field.

We are a national leader in industry-connected learning in computing, data science, and IT. We have recently redesigned our undergraduate programs to provide a common foundation in programming for all SCT undergraduates. Our approach is centred on an innovative Bootcamp2Studio model that makes use of immersive and challenge-based pedagogy to drive higher-level learning. We provide students with practical learning experiences that will prepare them to contribute meaningfully to our world through their work.

The School is led by the Dean, School of Computing Technologies, and has three disciplines:

- Cyber Security & Software Systems (CSSS)
- Data Science & Artificial Intelligence (DSAI)
- Interaction, Technology & Information (ITI)

Our PhD students and faculty conduct world leading research in many areas of Computing and Computing applications, including in:

- Information Interaction and Information Retrieval
- Cloud systems Security
- Human-Computer Interaction
- Artificial Intelligence and Natural Language Processing
- Data Science and Machine Learning
- Recommendation and Big Data Analysis
- Cybersecurity
- Software Engineering
- Digital Health
- Computer Science Education

For more information about our School, its discipline structure and teaching and research focus areas please visit our website.

Position Summary

We are seeking a Professor in Cloud Systems Security to complement our growing expertise in this area. In particular, we are looking for someone with experience in AI-based trusted software systems, LLM guided secure cloud-based software systems, trusted cyber physical systems including developing novel and innovative technology solutions. Within this scope, the ideal candidate will be working on areas related to trusted Agentic software systems in secure cloud environment. Their research goals will be centred in ideals of equity, diversity, accessibility, ethical interactions, or similar. The right candidate will have a strong track record publishing high-quality outputs, in high quality Q1 Journals, and in securing industry, philanthropic or government funding for their work. The ideal candidate will have interest in, and experience of, mentoring junior academics to success.

The Professor is a senior academic and eminent researcher in the specialist field, contributing significantly to teaching and research outputs, building capability of staff and promoting strong academic performance. The Professor will provide high level research leadership developing and leading research project teams and programs and fostering a vibrant research culture. He or she will be required to develop a high-quality and productivity-driven research network across RMIT and with external national and global partners. The Professor will also teach and make a significant contribution to teaching and learning in the discipline with the aim of improving learning outcomes for students. The Professor will make a significant contribution to the planning and strategic direction of the School, taking on major academic leadership roles involving participation in various committees within the School, College and University and external to the University, as appropriate.

Key Accountabilities

1. Lead and foster excellence in teaching and research in the discipline within the University and within the community, professional, commercial or industrial sectors.
2. Ensure implementation of best practice teaching strategies within discipline and dissemination of innovative practices across the University, including: initiating responses to emergent issues and integrating into curriculum development; leading improvement of academic standards, program review and course evaluations within and across disciplines.
3. Having achieved distinction at national and international levels and with recognition as an eminent authority and global leader in Cloud systems security, demonstrably lead research contributions including: leading publication effort of research team/s and extending dissemination activities;

identifying and attracting external research funding to sustain research growth across the University; supervising higher degree by research candidates.
4. Provide leadership and foster excellence in policy development in the academic discipline within the University and within the community, professional, commercial or industrial sectors.
5. Lead School and College and participate in University strategy development and governance.

Key Selection Criteria

1. Demonstrated ability to manage award programs and lead program reviews.
2. Demonstrated ability to coordinate large courses and prepare and delivery programs at undergraduate and post-graduate levels in Cloud systems, Cloud Security, Computer Science, Software Engineering, Information Technology, Cyber Security, AI and/or Data Science, including high quality curriculum and program materials and ability to implement innovative approaches to student-centred learning and quality improvement.
3. Demonstrate distinction at the national level and an internationally recognised research track record in or some of the areas: Cloud systems security, Edge computing, Data centre security and security assurance of learning-enabled Cyber-Physical Systems (CPS) Track record will be evidenced by publications and leadership roles in top-ranked Conference and Journals. Alignment to the school's strength in responsible computing is an advantage.
4. Proven ability to sustain and grow Research Groups and Centres through the attraction of external funding. Demonstrated global leadership in Software Engineering or a related community.
5. Extensive experience in attracting and supervising higher degree by research candidates to maximise research performance.
6. Evidence of demonstrated strategic leadership in a large organisational unit or University-wide initiative, including mentoring and developing junior staff.
7. Demonstrated experience in financial, governance and quality management systems within a University.
8. Demonstrated commitment to principles of equity, diversity and inclusion in teaching, supervision and research.
9. Demonstrated high level of collegiality, including supporting development of junior team members, ability to problem solve as part of a team and ability to work well with diverse personalities and perspectives
10. Highly developed communication skills including ability to present research findings to a variety of academic and non-academic audiences in both written and verbal form, and to communicate persuasively with a variety of stakeholders.

Qualifications

Mandatory: PhD in relevant field
Desirable: PhD in Cloud systems, Cloud Security, Cloud Infrastructure or Computer Science or related area.

Working with Children Check

Appointment to this position is subject to holding a valid Victorian Working with Children Check and other checks as required by the specific role. Maintaining a valid Working With Children Check is a condition of employment at RMIT.