



Position Description – Research Fellow (Level A) - Electronics and Signal Processing

Position Details

Position Title:	Research Fellow (Level A) - Electronics and Signal Processing		
College/Portfolio:	STEM College	School/Group:	School of Engineering
Campus Location:	Primarily based at City campus, and the potential to work across other RMIT campuses as required.		
Classification:	Academic Level A	Time Fraction:	1.0
Employment Type:	Fixed Term		
Fixed Term Reason:	Research		
Reporting Line:	Discipline Leader, Department of Electrical & Electronic Engineer		
No. of Direct reports:	None		

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

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. Under the leadership of DVC STEM College & Vice President, Digital Innovation, 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. The College appointed Victoria's first ever Dean of STEM, Diversity & Inclusion in 2020, and this role drives gender equity, diversity and inclusion strategies across the College.

STEM College employs 1,000 staff who deliver onshore and offshore programs to approximately 20,000 students.

We are here to positively impact the world and create the next generation of STEM leaders.

www.rmit.edu.au/seh

Position Summary

The Research Fellow (Level A) will undertake research activities in line with the University's research strategy. It is expected that the Research Fellow (Level A) will work with an increasing degree of autonomy as skills and experience develop.

Key Accountabilities

1. Conduct research/scholarly activities under limited supervision either independently or as a member of a team including: publishing and presenting research outputs at conferences and research forums; contributing to external research funding submissions; participating in supervision of higher degree by research candidates.
2. May undertake limited teaching and supervision at undergraduate levels as required.
3. Undertake administration related to the position.

Key Selection Criteria

1. Evidence of research output including publications, conference contributions and/or technical reports in the field.
2. Ability to generate alternative funding projects through effective liaison with industry and government.
3. Ability to work autonomously whilst displaying a strong commitment to work in a team environment, including the demonstrated ability to confidently and effectively work with colleagues, project team leaders, and industry partners.
4. Demonstrated ability to meet deadlines and effectively manage varying workloads and respond to changing priorities as required.
5. Demonstrated high level of communication skills.
6. Proven hands-on experience in embedded electronic system design and prototyping, including FPGA/SoC platforms, sensor and actuator interfacing, real-time hardware integration, and use of CAD/CAM and additive manufacturing tools for prototype fabrication and system packaging.
7. Proven expertise in advanced signal processing for electronic and communication systems, including operation under low-SNR, noisy, interfered, or time-varying conditions.
8. Demonstrated experience in robotic platform integration, with the ability to interface electronic, sensing, and communication subsystems to autonomous platforms and support experimental validation, preferably using ROS-based or equivalent workflows.

Qualifications

Mandatory: Qualification in the relevant discipline area preferably at postgraduate level.

Relevant tertiary qualification in electrical/electronic engineering, mechatronics, signal processing, embedded systems, telecommunications, computer engineering, or a related discipline, together with demonstrated experience in embedded hardware, real-time systems, sensing or communication system integration, and prototype development. A PhD in related field is highly desirable. Appointment to this position is subject to passing a Working with Children Check.

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.