Position Description – Lecturer, Signal Processing

Position Details

Position Title: Lecturer, Signal Processing

College/Portfolio: STEM College

School/Group: School of Engineering, Biomedical Engineering

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

Classification: Academic Level B

Time Fraction: 1FTE

Employment Type: Continuing

Reporting Line: Head of Department, Biomedical Engineering
In relation to any course coordination, the Lecturer is responsible to the relevant Program Manager.

No. of Direct reports:

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

In STEM we CARE – Collaboration, Accountability, Respect & Empowerment

Position Summary

The Lecturer is expected to contribute to the teaching and research efforts of the School, in disciplines related to their field of expertise. More specifically, the Lecturer is responsible for carrying out teaching activities within undergraduate, Masters and Graduate Diploma programs and for maintaining and advancing their scholarly, research and/or professional capabilities. The Lecturer is also expected to actively promote the program by establishing and maintaining memberships, links and partnerships with academic, industry and professional communities. The Lecturer is expected to work collaboratively and collegially with fellow academics within the teaching team, and update colleagues and students on developments in their subject area or specialisation. The Lecturer may be responsible for course coordination.

Key Accountabilities

1. Undertake independent teaching at undergraduate, honours and postgraduate level including: designing, conducting and moderating assessment; implementing improvements informed by course evaluation activities and student feedback.
2. Undertake independent professional activities, scholarship and/or conduct high quality research activities appropriate to the profession or discipline including: managing individual projects within timelines and budgets and ensuring compliance with quality and reporting requirements; publishing research results in high quality outlets as lead or co-author; preparing and submitting external research funding applications; and supervising higher degree by research candidates.
3. Undertake administration duties, which may include course coordination role or management of a small award program.

Key Selection Criteria

1. Demonstrated track record in biomedical signal processing and machine learning.
2. Demonstrated ability to design and deliver programs at undergraduate and post-graduate levels using inclusive learning and teaching approaches, including online delivery, and the ability to produce high-quality curriculum and program materials.
3. Ability to undertake course coordination role and embedding technology-enhanced course design and delivery.
4. Demonstrated capacity to work effectively with and to negotiate sensitively with students especially on issues related to effective learning.
5. Emerging track record and recognition for quality research outputs which will contribute to existing Discipline and School research areas evidenced by publications, development of new research initiatives, competitive research funding, and industry links.
6. Demonstrated ability to supervise higher degree by research candidates.

7. Ability to build effective networks with colleagues and generate alternative funding projects through effective liaison with industry and government, particularly in the biomedical engineering sector.
8. Excellent interpersonal and communications skills appropriate for interacting with higher degree by research candidates, staff and industry, together with a strong commitment to teamwork and multidisciplinary collaboration and inclusive practices.

Qualifications

Mandatory: PhD or equivalent[1] in relevant field.

Preferred: Completion of the Intro to Learning and Teaching Course (Login required) or possess (or eligible to apply for) appropriate HEA Fellowship (login required).

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.

[1] Equivalence is defined in the exemption criteria at **Appointment of staff without Doctoral qualifications** instruction