

Position Description – Associate Professor, Aerospace Engineering

Position Details

Position Title:	Associate Professor		
College/Portfolio:	STEM College	School/Group:	Engineering
Campus Location:	Primarily based at City/Bundoora East Campus, and the potential to work across other RMIT campuses as required		
Classification:	Academic Level D	Time Fraction:	1.0
Employment Type:	Continuing		
Fixed Term Reason:	N/A		
Reporting Line:	Head of Department of Aerospace Engineering		

In relation to any program management, the Associate Professor reports to the Deputy Dean (Learning and Teaching) or the Deputy Head of Department (Learning and Teaching).

No. of Direct reports: 0

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.



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, and 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 of achieve their potential.

For further information about the STEM College please visit the following site:

www.rmit.edu.au/seh

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

School of Engineering

The School of Engineering comprises a diverse range of departments: Aerospace Engineering; Chemical & Environmental Engineering; Civil & Infrastructure Engineering; Biomedical Engineering; Electrical & Electronic Engineering; and Mechanical, Manufacturing, & Mechatronic Engineering. Note that RMIT's Department of Aerospace Engineering includes the higher-education discipline of Aviation.

As a top 100 university in the world for engineering (2015 QS Rankings by Faculty; Engineering and Technology), RMIT Engineering provides students with work-relevant education programs, access to excellent research facilities and opportunities to engage in creative real-world project work through robust relations with local and international industry leaders.

RMIT Engineering's education is based on innovation and creativity. Key discipline areas in the School of Engineering provide programs with flexible pathways to global careers or postgraduate research.

Continuing a tradition of many years, the Department of Aerospace Engineering is ranked first in Australia by Shanghai Ranking and 34th globally (<https://www.shanghairanking.com/rankings/gras/2025/AS0221>); and RMIT is the top university for Aviation and Aerospace research in national rankings (<https://www.theaustralian.com.au/special-reports/research-magazine/the-2025-research-magazine-showcases-australias-best/news-story/558038b72166c02a020a8df7c506fdc3>).

Position Summary

The Associate Professor will contribute to the teaching and research efforts of the Department of Aerospace Engineering and the School of Engineering. The incumbent will make a significant contribution to the delivery of programs and be actively involved in research, consulting, and other professional activities. The Associate Professor will develop, engage in and lead high-quality research projects that are aligned with the University's research focus areas to achieve success in attracting research funding and to produce high-quality outputs. The Associate Professor will have an important research role in embedding their research expertise into the life of the School and will be required to develop high-quality, productivity-driven networks across RMIT and with local, national and global, internal, and external partners. The Associate Professor may have responsibility for program management.

Specifically, RMIT seeks a Associate Professor who will be responsible for providing innovative contributions to the School in one or more of the following specialty areas: **propulsion, aerodynamics, aerospace materials and structures, avionics, control, digital engineering for aerospace systems, and related applications including space vehicles and systems, crewed and uncrewed aircraft and their operations, and air-traffic control (crewed and uncrewed).**

RMIT's partnerships with organisations such as the Advanced Composites Manufacturing Cooperative Research Centre (ACM CRC), the ARC Industrial Transformation Training Centres (ITTC) for High-Speed Propulsion, Rocket and Launch Systems, and industry partners, large and small, including through its Sir Lawrence Wackett Defence and Aerospace Centre, provide outstanding opportunities for academic staff to engage broadly, to conduct industry-relevant research, and to remain current with their domestic and international peers.

The Department of Aerospace Engineering also maintains strong links with RMIT's Aviation Academy, an engagement that provides staff opportunities for research on the operations of a fleet of modern aircraft. Likewise, staff can utilise digital infrastructure, e.g., the VxLab on RMIT's City Campus, which houses the Centre for Digital Innovation and equipment such as an Eight360 NOVA Untethered Motion Simulator, a "virtual vehicle" capable of recreating the sensations of being inside a moving car, truck, plane, or spaceship.

Key Accountabilities

1. Lead advancement of teaching in the discipline including initiating program improvements, improving academic standards, leading assessment design, conduct and moderation.
2. Lead research contribution in their discipline at national and international level including: developing highly successful research teams; leading publication effort of research team/s; identifying and attracting external research funding to sustain research growth within the College; supervising higher-degree-by-research candidates.
3. Lead outstanding contribution to the teaching, research and/or scholarship activities of an organisational unit, including a large organisational unit, or interdisciplinary area.
4. Make an outstanding contribution to the governance and collegial life inside and outside of the University.

Key Selection Criteria

1. Demonstrated ability to direct an award program/s and implement program improvements and innovative approaches to student-centred learning and quality improvement programs.
2. Nationally recognised research track record including substantial record of research outputs in high-quality outlets and emerging international recognition with a focus in one or more of the following areas: **propulsion, aerodynamics, aerospace materials and structures, avionics, control, digital engineering for aerospace systems, and related applications including space vehicles and systems, crewed and uncrewed aircraft and their operations, and air-traffic control (crewed and uncrewed).**
3. Extensive experience in research leadership with the ability to build and develop collaborative research teams, mentor academic staff to deliver high-quality outcomes, attract and secure external research funding to sustain research effort, manage funded research projects including complex budgets and reporting requirements.
4. Extensive experience in supervising higher-degree-by-research candidates to maximise research performance.
5. Demonstrated ability to lead scholarly development and manage and supervise academic teams and members.
6. Demonstrated understanding of and commitment to financial, governance and quality management systems within a university.
7. Demonstrated high level of interpersonal, communication and negotiating skills including the ability to consult with senior executives, external bodies, produce executive reports, negotiate agreed directions, outcomes and targets within a collaborative environment.
8. Proven ability as an effective member of a management team that develops and achieves shared goals and objectives.

Qualifications

Mandatory: PhD or equivalent in a relevant field.

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.