



Position Description – Industry Research Officer

Position Details

Position Title:	Industry Research Officer
College/Portfolio:	STEM College
School/Group:	School of Engineering
Campus Location:	Based at Defence Science and Technology Group (DSTG) Fishermans Bend.
Classification:	HEW Level 5
Employment Type:	Fixed Term until end of December 2024
Time Fraction:	Negotiable 0.5 – 1.0 FTE

RMIT University

RMIT is a multi-sector university of technology, design and enterprise with more than 96,000 students and close to 10,000 staff globally. The University's mission is to help shape the world through research, innovation and engagement, and to create transformative experiences for students to prepare them for life and work.

<https://www.rmit.edu.au/about>

<https://www.universitiesaustralia.edu.au/university/rmit-university/>

Our three main campuses in Melbourne are located in the heart of the City, Brunswick and Bundoora. Other locations include Point Cook, Hamilton and Bendigo, two campuses in Vietnam (Hanoi and Ho Chi Minh City) and a centre in Barcelona, Spain. RMIT is a truly global university.

<https://www.rmit.edu.au/about/our-locations-and-facilities>

We are also committed to redefining our relationship in working with, and supporting, Indigenous self-determination. Our goal is to achieve lasting transformation by maturing our values, culture, policy and structures in a way that embeds reconciliation in everything we do. We are changing our ways of knowing, working and being to support sustainable reconciliation and activate a relationship between Indigenous and non-Indigenous staff, students and community. Our three campuses in Melbourne (City, Brunswick and Bundoora campuses) are located on the unceded lands of the people of the Woi Wurrung and Boon Wurrung language groups of the eastern Kulin Nation.

Why work at RMIT University

Our people make everything at the University possible. We encourage new approaches to work and learning, stimulating change to drive positive impact. Find out more about working at RMIT University, what we stand for and why we are an Employer of Choice.

<https://www.rmit.edu.au/careers>

We want to attract those who will make a difference. View RMIT's impressive standings in university rankings.

<https://www.rmit.edu.au/about/facts-figures/reputation-and-rankings>

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 Industry Research Officer will undertake research activities in line with the University's research strategy. It is expected that they will work with an increasing degree of autonomy as skills and experience develop. They will be supporting the activities sponsored by the Australian Defence Science and Technology Group (DSTG) and will prepare reports that cover the activities of the assigned investigations, including journal papers, conference papers, or presentations. While the selected candidate(s) may have limited experience with structures and materials testing, they will eventually be expected to develop unique test protocols and apparatus in response to the research requirements within the Structures and Materials Test Centre at DSTG. If they have not yet achieved a

Bachelor's degree they will be expected to be working towards this outcome, for which support will be given as part of the working conditions.

Reporting Line

Reports to the Director - Centre for Advanced Defence Structures and Materials Experimentation (CADSME), Aerospace Engineering and Aviation, Sir Lawrence Wackett Defence & Aerospace Centre.

Organisational Accountabilities

RMIT University is committed to the health, safety and wellbeing of its staff. RMIT and its staff must comply with a range of statutory requirements, including equal opportunity, occupational health and safety, privacy and trade practice. RMIT also expects staff to comply with its policy and procedures, which relate to statutory requirements and our ways of working.

Appointees are accountable for completing training on these matters and ensuring their knowledge and the knowledge of their staff is up to date.

Key Accountabilities

1. Undertake high quality research in support of activities sponsored by the Australian Defence Science and Technology Group (DSTG).
2. Conduct research/scholarly activities under limited supervision either independently or as a member of a team.
3. Publish or contribute to publications, and present or contribute to presentations of research outputs at conferences and within research forums. Contribute to external research funding submissions where required. Participate in the supervision of higher degree by research candidates if qualified, or support such candidates in their research.
4. Undertake limited teaching, supervision or give assistance to the teaching at undergraduate levels: up to 10% teaching and learning as appropriate to the employment classification.
5. Undertake administration related to the position.

Key Selection Criteria

1. Have a demonstrated at least basic knowledge and/or have at least limited experience of contemporary structures and material properties experimental standards, methods and tools.
2. Have the ability to work autonomously whilst displaying a strong commitment to working in a team environment, including the ability to confidently and effectively work with colleagues, project team leaders, and industry partners.
3. Have at least limited experience in developing novel experimental protocols or apparatus for structures and materials tests for either or both metallic or composite materials.
4. Demonstrate the ability to independently operate and troubleshoot or the aptitude to operate and troubleshoot a range of servo hydraulic test machines, and/or complex controls systems and/or other mechanical/materials test apparatus.
5. Have the ability to communicate research results, concepts, and knowledge clearly through discussions, presentations, reports and/or papers.
6. Have a demonstrated high level of written and verbal communication skills.
7. Have a demonstrated ability to meet deadlines and effectively manage varying workloads and respond to changing priorities as required.

Qualifications

Mandatory:

- The successful candidate will have undergraduate qualifications in an appropriate field of engineering (mechanical, aerospace, materials, mechatronics, etc.) or be in the final stages of receiving such qualifications. Relevant, post-graduate study or qualification will be highly valued, as will a vocational engineering background with demonstrated 'hands-on' capabilities.
- Appointment to this position is subject to passing a Working with Children Check, National Police Check, AGSVA security clearance and mandatory compliance training.

Note: Maintaining a valid Working with Children Check is a condition of employment at RMIT.