Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You’ll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you’ll need to publish your work. We’re a university full of energetic and enthusiastic minds, driven to challenge what’s expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at www.monash.edu.

The Faculty of Engineering is one of the largest in Australia, renowned worldwide for the quality and calibre of our teaching, research and graduates. We offer a comprehensive range of undergraduate, graduate, postgraduate and higher degree by research programs in a wide range of engineering disciplines. Our research activities provide a platform for establishing a thriving educational enterprise and our staff are committed to creating a dynamic learning environment. The research activities range from fundamental studies to research with a strong applications orientation. To learn more about the Faculty of Engineering, please visit our website.

The Department of Electrical and Computer Systems Engineering aims to provide high quality programs for undergraduate and research students as well as undertaking and publishing high quality research. We offer internationally recognised undergraduate and research programs in telecommunications, electronics, robotics, AI, biomedical engineering and electrical power systems. We maintain strong links with engineering professionals to ensure our programs remain at the leading edge of professional practice. We have a vibrant research culture, with major research areas in communications & RF identification, intelligent robotics, biomedical engineering and power electronics & energy. For more information about us, please visit our website.

The Department of Mechanical and Aerospace Engineering aims to educate the next generation of leaders in the professions, generate new knowledge and insight into the processes that govern our discipline, and provide service to the community, our profession and industry. We are the largest department within the Faculty in terms of student numbers, offering a range of undergraduate and higher degree programs and a strong and ever-growing contingent of students working towards a PhD or Master’s degree. Research is a vital part of the Department’s activities and we are renowned for our expertise and world-class facilities. For more information about our Department and the work we do, please visit our website.
POSITION PURPOSE

A Senior Lecturer is expected to make significant contributions to the teaching, research, industry engagement and professional activities of the Faculty of Engineering. An academic at this level is expected to play a major role in scholarship, develop an internationally recognised research portfolio, establish funding streams to support research portfolio and enhance the intra-departmental collaboration efforts of the faculty.

The Senior Lecturer will be appointed jointly across the Department of Electrical and Computer Systems Engineering & Department of Mechanical and Aerospace Engineering to manage the teaching of Mechatronics and Robotics units, as well as the aerospace engineering units, as part of the Bachelors and Masters teaching at the Faculty of Engineering.

Reporting Line: The position reports to relevant Head of Department

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level C academic may include:

1. The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and studio sessions

2. The initiation and development of course material in line with best practice methodologies

3. Course coordination and course content and delivery enhancement, including the preparation and delivery of lectures and seminars, and the design, implementation and review of educational innovations

4. Consultation with students including marking and assessment of coursework and guidance on areas of development

5. The conduct of research and the undertaking of a significant role in research projects including, where appropriate, leadership of research teams

6. Contribution to scholarly debate within the profession, production of quality research that has industry relevance and presentation of research results at national and international forums

7. Supervision of the program of study of honours students and of postgraduate students engaged in coursework, and supervision, support and guidance to major honours or postgraduate research projects

8. Involvement in professional activities such as networking and industry events to stay abreast of academic and industry changes and developments and how these can be applied at Monash

9. Attend and contribute to departmental, school and/or faculty meetings and play a major role in planning or committee work

10. Broad administrative functions; the majority of which are connected with the subjects in which the academic teaches

11. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
   • A doctoral qualification in Robotics, Smart Manufacturing or a closely related discipline
Knowledge and Skills

2. Demonstrated experience in undertaking research in the domains of robotics, smart manufacturing, and space engineering

3. Demonstrated entrepreneurial skills with a demonstrated ability to support incubator projects that lead to the commercialisation of research

4. Demonstrated experience and proven ability in undertaking outstanding cross-disciplinary research and taking a lead role in research, scholarship and teaching matters

5. Demonstrated publication record in high-quality refereed journals, conferences, equivalent textbooks or teaching resources

6. Evidence of or potential to secure significant nationally-competitive grants and/or other sources of funding for research

7. Demonstrated record of or potential to successfully supervising postgraduate research students to completion

8. Demonstrated experience or the ability to develop and deliver high quality teaching and curriculum, at the undergraduate and postgraduate level, with positive student feedback

9. High-level written and verbal communication skills and proven ability to establish a good working relationship with colleagues and students, and to develop and maintain strong professional links with relevant industry business, government agencies and professional bodies and the community

10. Proven ability to plan, organise and achieve work targets, sometimes in demanding circumstances, and work harmoniously and constructively with academic colleagues and other University staff

11. Proven professional leadership qualities and capacity for administrative responsibilities, and a willingness to make a substantial contribution to all activities of the department, including administration and planning

10. Proven ability to promote the discipline internally within the university as well as externally at a national level

OTHER JOB RELATED INFORMATION

• Travel to other campuses of the University may be required
• There may be a requirement to work additional hours from time to time
• There may be peak periods of work during which taking of leave may be restricted
• A current satisfactory Working With Children Check is required

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.