



## POSITION DESCRIPTION

School of Electrical, Mechanical and Infrastructure Engineering  
Melbourne School of Engineering

### Lecturer / Senior Lecturer

*In line with the special measure H103/2014 provided for under section 12 of the Equal Opportunity Act 2010 (VIC), the Melbourne School of Engineering strongly encourages applications from suitably qualified female candidates.*

<b>POSITION NO</b>	0048991
<b>CLASSIFICATION</b>	Lecturer (Level B) or Senior Lecturer (Level C)
<b>SALARY</b>	\$102,967 - \$122,268 p.a. (Level B) \$126,128 - \$145,431 p.a. (Level C) Appointment based on qualifications and experience
<b>SUPERANNUATION</b>	Employer contribution of 17%
<b>EMPLOYMENT TYPE</b>	Up to two (2) full-time continuing positions available  The Melbourne School of Engineering is strongly committed to supporting diversity and flexibility in the workplace. Applications for part-time or other flexible working arrangements will be fully considered subject to meeting the inherent requirements of the position.
<b>OTHER BENEFITS</b>	<a href="http://about.unimelb.edu.au/careers/working/benefits">http://about.unimelb.edu.au/careers/working/benefits</a>
<b>CURRENT OCCUPANT</b>	New
<b>HOW TO APPLY</b>	Online applications are preferred. Go to <a href="http://about.unimelb.edu.au/careers">http://about.unimelb.edu.au/careers</a> , under 'Job Search and Job Alerts', select the relevant option ('Current Staff' or 'Prospective Staff'), then find the position by title or number.
<b>CONTACT FOR ENQUIRIES ONLY</b>	Prof Chris Manzie Email <a href="mailto:manziec@unimelb.edu.au">manziec@unimelb.edu.au</a>

*Please do not send your application to this contact*

For information about working for the University of Melbourne, visit our websites:  
[about.unimelb.edu.au/careers](http://about.unimelb.edu.au/careers)  
[joining.unimelb.edu.au](http://joining.unimelb.edu.au)

## Position Summary

The Department of Electrical and Electronic Engineering has four research groups in Power and Energy Systems; Control and Signal Processing; Communications and Networks; as well as Electronic and Photonic Systems. Within these groupings, we have internationally recognised researchers (characterised by over 30% of our faculty holding IEEE Fellowships and other similar accolades) who collaborate on challenging research problems of impact to society. This represents a fertile and supportive research environment that enables researchers to reach their full potential.

The Department is seeking to appoint two candidates to join our team by offering continuing positions with research focus in Power Electronics, Electronics or Embedded Systems. Outstanding applicants from other areas that complement the Department's existing research strengths will also be strongly considered.

The successful appointees to these Level B/C positions will be expected to develop internationally recognised research portfolios, as well as establish funding streams to support these portfolios. The appointees will enhance interdisciplinary research within the University and with outside organisations. Our Departmental vision encompasses strong industry links and it is expected the appointee will be capable of playing a significant role towards realising our industry engagement targets.

Furthermore, the successful appointees will contribute to our leading teaching programs at one or both of the undergraduate and Masters of Engineering level. This involves developing and continually refining course material that reflects the current state of the discipline and promotes student engagement and learning.

The Melbourne School of Engineering is strongly committed to supporting diversity and flexibility in the workplace. Applications for part-time or other flexible working arrangements will be welcomed and will be fully considered subject to meeting the inherent requirements of the position.

The University seeks to increase the diversity of its workforce and the representation of women in areas they have been traditionally under-represented. We know that to drive systemic change towards gender equity, MSE must work hard to lift the representation of women academics from 22% in 2018 to at least 30% over the next five years pursuant to a Special Measure under Section 12(1) of the Equal Opportunity Act 2010 (Vic). MSE is committed to remedying this gender imbalance and providing a supportive environment where women in academia are supported in achieving their aspirations as they work toward fulfilling careers.

## 1. *Selection Criteria*

### 1.1 ESSENTIAL

- ▶ A PhD in Electrical or Electronics Engineering or a cognate discipline;
- ▶ A capacity to develop an international research funding profile;
- ▶ A track record of independent quality research that demonstrates the potential to achieve the highest levels of scholarship in engineering research as evidenced by research publications in high-quality journals and conferences;
- ▶ Capacity to teach effectively and develop high quality learning experiences and assessment tools across a broad range of subjects, including the capacity to develop and deliver seminars and lectures and other teaching activities;
- ▶ Excellent oral and written communication skills, including the ability to interact with University staff at all levels and to build networks with industry and other researchers, both local and international;
- ▶ Experience in curriculum development and implementation at undergraduate and postgraduate level that will maintain the Department's programmes at the highest international standards;
- ▶ Demonstrated leadership and service to national and international professional bodies and to professional journals;

#### **In addition to the above for appointment at Level C:**

- ▶ A strong publication record and demonstrated independence of scholarship;
- ▶ A strong track record of competitive grant funding;
- ▶ Demonstrated ability to teach small and large classes effectively at tertiary level including design and project-based studies in electrical and electronic engineering disciplines and to develop courses and course material;
- ▶ Experience with undertaking collaborative research projects as part of a team across institutions and/or disciplines;
- ▶ A successful record of engaging industry, government and/or the community in teaching and research;
- ▶ Demonstrated ability to initiate, manage and maintain significant inter-institutional collaborations;
- ▶ Experience in supervision and timely completion of research higher degree students.

### 1.2 DESIRABLE

- ▶ Relevant practical experience and track record of industry engagement;
- ▶ Experience in curriculum development and implementation at undergraduate and postgraduate level that will maintain the Department's programmes at the highest international standards.

## 2. *Special Requirements*

- ▶ Employment in this position is conditional upon receipt and maintenance of a Working with Children Check.

### **3. Key Responsibilities**

Level B/C academics will contribute to teaching at undergraduate, honours and postgraduate level; engage in independent scholarship and/or research and/or professional activities appropriate to your profession or discipline.

You will undertake administration primarily relating to your activities at the institution and may be required to perform the full academic responsibilities of and related administration for the coordination of an award program of the institution.

#### **3.1 RESEARCH**

- ▶ Independently plan and carry out fundamental and application-oriented research;
- ▶ Publish research outcomes on a regular basis by writing in high-impact journals and conferences;
- ▶ Actively engage academic and industry partners to establish effective collaborations between multidisciplinary groups across the school, the university, and national and international research/industry partners in relevant areas of research;
- ▶ Supervise PhD, research masters, and coursework research projects;
- ▶ Contribute to knowledge through scholarship, publications in leading journals and with leading publishers, and conferences presentations;
- ▶ Contribute to the success of the research and innovation program within the Water and Environment Program in the Melbourne School of Engineering;
- ▶ Actively seek funding opportunities from industry and government to develop a program of research leading to an international reputation.

#### **3.2 TEACHING AND LEARNING**

- ▶ Contribute to delivery of relevant subjects in the Master of Engineering, Specialised Masters or in engineering and breadth subjects taught in the University's New Generation Undergraduate degrees, as directed by the Head of Department or Deputy Head
- ▶ Contribute to the development and review of curriculum, along with familiarisation with the role of multi-media in relation to the curriculum and develop high quality, innovative subject material;
- ▶ Prepare project work to support student learning;
- ▶ Coordinate and conduct lectures and tutorials at undergraduate and postgraduate level, including engagement in teaching innovation and continual improvement;
- ▶ Teach subjects to a standard that delivers a high-quality learning experience;
- ▶ Ensure availability for consultation with students that fosters their learning;
- ▶ Act as Subject Coordinator with responsibility for the design, development, coordinated delivery and ongoing improvement of that subject and keep the Teaching Liaison Coordinator informed of changes to personnel and/or requirements;

- ▶ Assist with supervision of graduate research students;
- ▶ Contribute to the continued improvement of teaching quality through engagement with the Engineering Learning Unit regarding teaching practices and the ongoing review of subject and assessment materials to enhance student learning;

### 3.3 ENGAGEMENT

- ▶ Build and foster partnerships with industry, government, collaborators at other Universities and other stakeholders that contribute to the engagement of teaching and research in the wider community engagement;
- ▶ Actively participate in professional activities including consulting, workshops, meetings of professional societies and short courses for external participants;
- ▶ Participate in external department activities such as student events, school visits and industry liaison activities;
- ▶ Engage in knowledge transfer and community activities beyond the university.

### 3.4 LEADERSHIP AND SERVICE

- ▶ Take a leading role in the department to actively foster and participate in industry liaison activities consistent with the home Department's business plan;
- ▶ Drive and lead departmental committees and/or projects as required;
- ▶ Participate in administrative functions as required;
- ▶ Participate in industry liaison activities as arranged by the home Department;
- ▶ Undertake other tasks as requested by the supervisor or the Head of Department;
- ▶ Undertake Occupational Health and Safety (OH&S) and Environmental Health and Safety (EH&S) responsibilities as outlined in Section 5.

#### **In addition to the above, responsibilities for Senior Lecturer will include:**

- ▶ Make original and innovative contributions to scholarship, research and teaching in Engineering;
- ▶ Supervise both undergraduate and graduate students and play a significant role in research projects including, where appropriate, leadership of a research team;
- ▶ Foster collaborations with other scientists and clinicians to develop a multidisciplinary approach to research.
- ▶ Make a significant contribution to, and advancement of the profession/discipline;
- ▶ Make a significant contribution to the governance and collegial life inside and outside of the Faculty and a significant role in knowledge transfer and community engagement;
- ▶ Contribute to strategic planning and policy decision making processes by actively participating in planning or committee work;
- ▶ Liaise with others in the University to develop a collaborative approach to enhance educational and research programs of the School.

## ***4. Equal Opportunity, Diversity and Inclusion***

The University is an equal opportunity employer and is committed to providing a workplace free from all forms of unlawful discrimination, harassment, bullying, vilification and victimisation. The University makes decisions on employment, promotion and reward on the basis of merit.

The University is committed to all aspects of equal opportunity, diversity and inclusion in the workplace and to providing all staff, students, contractors, honorary appointees, volunteers and visitors with a safe, respectful and rewarding environment free from all forms of unlawful discrimination, harassment, vilification and victimisation. This commitment is set out in the University's People Strategy 2015-2020 and policies that address diversity and inclusion, equal employment opportunity, discrimination, sexual harassment, bullying and appropriate workplace behaviour. All staff are required to comply with all University policies.

The University values diversity because we recognise that the differences in our people's age, race, ethnicity, culture, gender, nationality, sexual orientation, physical ability and background bring richness to our work environment. Consequently, the People Strategy sets out the strategic aim to drive diversity and inclusion across the University to create an environment where the compounding benefits of a diverse workforce are recognised.

## ***5. Occupational Health and Safety (OHS)***

All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct.

OHS responsibilities applicable to positions are published at:

<http://safety.unimelb.edu.au/topics/responsibilities/>

These include general staff responsibilities and those additional responsibilities that apply for Managers and Supervisors and other Personnel.