

SENIOR LECTURER

DEPARTMENT/UNIT	Electrical and Computer Systems Engineering
FACULTY/DIVISION	Faculty of Engineering
CLASSIFICATION	Level C
DESIGNATED CAMPUS OR LOCATION	Clayton campus

ORGANISATIONAL CONTEXT

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 www.monash.edu/engineering.

The Department of Electrical and Computer Systems Engineering provides high quality programs for undergraduate, postgraduate and research students built on a platform of world-class research. We offer internationally recognised teaching and research programs in communications, electronics, robotics, 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 strongly encourage staff members professional and personal growth, and we support staff to develop through their careers. For more information about us, please visit www.monash.edu/engineering/departments/ecse.

POSITION PURPOSE

A Level C academic is expected to make significant contributions to the research and teaching efforts of the department. An academic at this level is also expected to play a major role in professional activities. The successful candidate will be a teaching and research academic that will complement the Department's current strengths in power and energy systems. The main areas of interest are power and energy systems. Other closely related areas to power engineering may also be considered. The department has currently vibrant and active research in grid integration of renewable energy resources at distribution and transmission level, power system planning and dynamics, inverter-based resources, cyber-physical power systems, energy markets, electric vehicles, and power systems protection. The candidate's research originality and ability (or potential) to collaborate will be of ultimate importance. Prospective applicants need to present an internationally and nationally recognised research agenda, contributing to the Monash Impact 2030 strategic plan and complementing our existing research programs and capabilities.

Reporting Line: The position reports to the Head of Department

Supervisory Responsibilities: Will supervise HDR (PhD and Master by Research) students and may supervise academic and professional research staff on externally sponsored projects

Financial Delegation: Yes, in accordance with the University delegations schedule

Budgetary Responsibilities: The position is responsible for managing the budgets of externally funded projects won in the course of their employment

KEY RESPONSIBILITIES

Specific duties required of a Level C academic may include:

1. The conduct of research and significant role in research projects including, where appropriate, leadership of a research team
2. Supervision of major honours or postgraduate (MSc and PhD) research projects
3. Preparation and delivery of lectures and other activities relevant to the delivery of teaching
4. Supervision of the program of study of honours students and of postgraduate students engaged in course work
5. Course coordination, and initiation and development of course material
6. Involvement in professional activities and broad administrative functions
7. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A doctoral (teaching and research) qualification in power engineering or closely related areas;
 - four years post-PhD experience in engineering in academic institutions, industry, or research institutes.

Knowledge and Skills

2. Possess a high level of interpersonal skills and demonstrated ability to work independently and as part of interdisciplinary teams across both the education and service sectors

3. Ability to work positively and cooperatively with undergraduate, postgraduate and research students
4. Demonstrated experience developing and delivering quality education to a diverse range of engineering students at undergraduate and/or postgraduate levels in areas of importance to the Department
5. Proven ability, commitment and passion for engaging in scholarly research activities including a strong research vision that complements existing departmental strengths and evidence of the ability to execute on that vision and demonstrated excellence in engineering research activities, either in an academic or industrial setting

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.