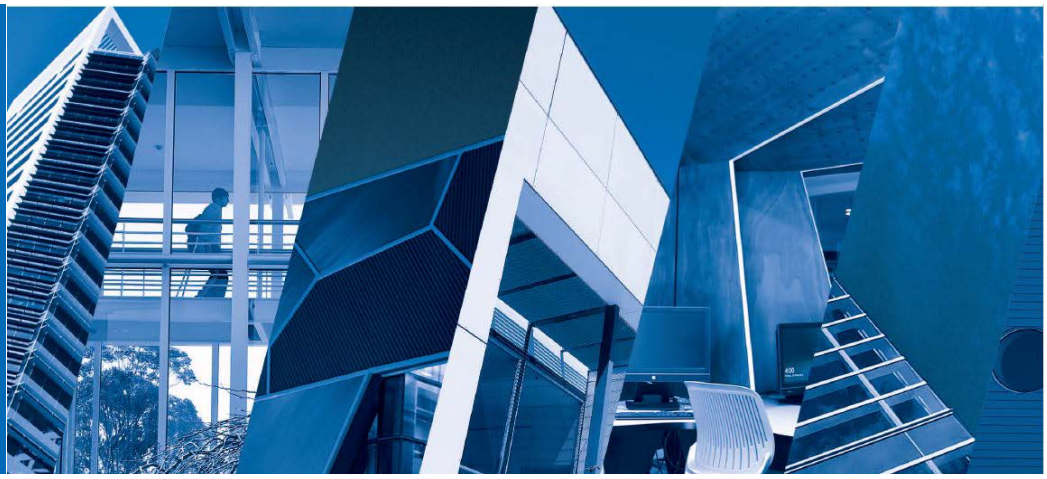
Position Description



Position title:	Senior Lecturer, Smart Power Systems Engineering
School/Section/VCO:	School of Science, Engineering and Information Technology
Campus:	Mt Helen Campus. Travel to other campuses will be required.
Classification:	Academic Level C
Time fraction:	Full-time
Employment mode:	Continuing appointment
Probationary period:	This appointment is offered subject to the successful completion of a probationary period.
Recruitment number:	849206

Background

The School of Science, Engineering and Information Technology offers Bachelor degrees in Engineering (Civil, Mechanical, Mechatronics and Mining), Mathematics, Information Technology and Science (primarily Metallurgy and Geology).

The School is in the process of establishing a range of programmes in Electrical and Electronic Engineering, Data Science and Engineering Project Management and has an almost unique capability in Australia in that it delivers programmes in Geology, Mining Engineering and Mineral Processing that supports the strong resources sector. The School also offers a number of Graduate Certificate, Graduate Diploma and Masters by coursework programmes, with Maintenance and Reliability Engineering being particularly well known internationally. These programmes are offered on campus and at a number of locations throughout Australia and overseas.

Research and consultancy forms a major aspect of the School's activities with numerous partnerships established with local, state, national and international organisations. In the recent Excellence in Research for Australia the school received a rating of 5* for civil engineering and applied mathematics, 4* for artificial intelligence and image processing and 3* for pure mathematics. Currently there are over 100 doctoral, masters and honours students enrolled.

Position summary

The Lecturer, Smart Power Systems Engineering will be expected to:

- contribute to the development and delivery of engineering courses at undergraduate and graduate levels, particularly Electrical and Information Engineering and Renewable Energy;
- contribute to the School's research program; and
- contribute to the School's administrative functions.

Key responsibilities

1. Develop, teach, coordinate and moderate courses in the engineering discipline at undergraduate, honours and graduate levels, particularly in the subject area of Electrical & Information Engineering and Renewable Energy.
2. Undertake teaching and assessment of undergraduate, honours and postgraduate students within the area of engineering.
3. Supervise students undertaking project courses, honours programs and research higher degrees.
4. Make a significant contribution to research activity within the School.
5. Participate in team projects and various committees as required.
6. Contribute significantly to the administrative functions of the School undertaking and overseeing broad administrative functions within the School.
7. Other responsibilities applicable to a Level C academic under current minimum standards for Academic Levels, as assigned by the Dean and Deputy Dean.
8. Reflect and embed the University's strategic purpose, priorities and goals when exercising the responsibilities of this position. For a more complete understanding and further information please access the Strategic Plan at: https://federation.edu.au/about-us/our-university/strategic-plan.
9. Undertake the responsibilities of the position adhering to:
    - The Staff and Child Safe Codes of Conduct and Conflict of Interest Policy and Procedure;
    - Equal Opportunity and anti-discrimination legislation and requirements;
    - the requirements for the inclusion of people with disabilities in work and study;
    - Occupational Health and Safety (OH&S) legislation and requirements; and
    - Public Records Office of Victoria (PROV) legislation.

Level of responsibility

The Senior Lecturer, Smart Power Systems Engineering will be expected to work independently in the conduct of teaching and research activities, and assume a leadership role within the School in one or more of the areas of teaching, research and administration.

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Training and qualifications

The Senior Lecturer, Smart Power Systems Engineering will hold a PhD.

The Senior Lecturer, Smart Power Systems Engineering will also have completed the Graduate Certificate in Education (Tertiary Teaching) or equivalent. If the Senior Lecturer, Smart Power Systems Engineering does not hold this qualification, they will be required to complete the qualification through the University's Centre for Learning Innovation and Professional Practice upon commencement of their employment (for further information, go to: https://federation.edu.au/staff/learning-and-teaching/professional-development/award-programs/graduate-certificate-in-education-tertiary-teaching-gcett).

All academic positions delivering education and/or services to children (a child for this purpose is considered to be someone below the age of 18 years) in first-year undergraduate programs must hold a valid Working with Children Check (WWCC) or hold a current registration with the Victorian Institute of Teaching (VIT).

Position/Organisational relationships

The Senior Lecturer, Smart Power Systems Engineering will work under the broad direction of the Dean and Deputy Dean, and work as part of the School's team of academic and administrative staff.

Key selection criteria

Applicants must demonstrate they are able to undertake the inherent responsibilities of the position as contained in the position description and are able to meet the following Key Selection Criteria:

1. A PhD qualification.
2. Graduate Certificate in Education (Tertiary Teaching) or equivalent or willingness and commitment to complete this qualification upon commencement of employment.
3. Commitment to scholarship and a potential for academic advancement.
4. Demonstrated commitment to and enthusiasm for teaching, and a good teaching record.
5. Previous experience in academic administration, including the administration of courses.
6. Demonstrated record of research at an international level.
7. Evidence of an ability to work collegially and independently.
8. Demonstrated interpersonal, oral and written communications skills and an ability to relate well to students and other University staff.
9. A capacity to contribute to the supervision of honours and graduate students.
10. Demonstrated ability to develop and implement a student-centred approach with a focus on student educational experience and success.
11. Knowledge and understanding of the needs, including learning needs, of a diverse range of students, including those with disabilities.
12. Demonstrated alignment with the University's commitment to child safety.

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Key Minimum Standards for Academic Levels (MSALs)

Teaching and research academic staff
Level C

A Level C academic will make a significant contribution to the discipline at the national level. In research and/or scholarship and/or teaching he or she will make original contributions, which expand knowledge or practice in his or her discipline.

A Level C academic will normally make a significant contribution to research and/or scholarship and/or teaching and administration activities of an organisational unit or an interdisciplinary area at undergraduate, honours and postgraduate level. He or she will normally play a major role or provide a significant degree of leadership in scholarly, research and/or professional activities relevant to the profession, discipline and/or community and may be required to perform the full academic responsibilities of and related administration for the co-ordination of a large award program or a number of smaller award programs of the institution.

The standards are not exhaustive of all tasks in academic employment, which is by its nature multi-skilled and involves an overlap of duties between levels.