



Position Title:	Lecturer – Smart Grids
Position Classification:	Level B
Position Number:	
Faculty:	Faculty of Engineering and Mathematical Sciences
School:	School of Engineering
Department:	Electrical, Electronic and Computer Engineering
Supervisor Title:	Head of Department
Supervisor Position Number:	316901

Your work area

The Faculty of Engineering and Mathematical Sciences encompasses three Schools – the School of Physics, Mathematics and Computing, the School of Engineering, and the Oceans Graduate School. Past graduates include Rhodes Scholars, Fulbright Scholars, Eureka Prize winners, Scientists of The Year, CEOs, and award-winning inventors. The Faculty prides itself on its track-record for producing graduates who not only perform well in their chosen profession, but are equipped with the skills and social capital they need to be the very best.

The Faculty has an international reputation for excellence in research and its research teams benefit from global partnerships with industry, attracting research income of more than \$27 million a year – well above the national average. With cross-disciplinary research groups, the Faculty offers a creative and innovative research environment and is poised to respond to a rapidly changing world and develop technologies that fulfil the demands of the 21st century.

Equally important is educating the next generation of graduates for current and emerging industries. The Faculty seeks to promote teaching excellence and to embrace the latest forms of effective educational delivery, and produce graduates with skill sets that promote flexibility and recognise the need for life-long learning.

The School of Engineering is renowned for its award-winning researchers, teachers and facilities. It is a multidisciplinary school offering education and research in a number of engineering disciplines. This includes biomedical, civil, environmental, mining, chemical, mechanical, electrical and electronic engineering. UWA ranks in the world's top universities, as measured by several key independent rankings, including QS World University Rankings for Mineral & Mining Engineering (11th) and Civil Engineering (48th); and Shanghai Rankings for Mineral & Mining Engineering (7th) and Environmental Science and Engineering (16th).

The School of Engineering has an established and dedicated team of teaching and research staff providing broad-based undergraduate programs with solid foundations across engineering disciplines. Innovations in Engineering for Remote Operations form teams of transdisciplinary researchers, offering integrated solutions to the challenges of remote developments. These programs are complemented by an integrated approach and solutions to the challenges of mining development and production, offshore engineering, agriculture, health, transport, energy, water supply and community development.

The Department of Electrical, Electronic and Computer Engineering delves deep to give students a thorough understanding of how electronics and circuits, telecommunications and networks, power and control systems, digital embedded and automation systems and signal processing and modelling contribute to the design of new technologies that improve our life and work

Reporting Structure

Reports to: Head of Department

Your role

The successful appointee will conduct high impact research and high quality teaching in Smart Grids, contributing to the School's initiatives to promote teaching and research in the Renewable Energy area, and contributing to the University's research priorities. You will join the existing research team in power and clean energy within the Department of Electrical, Electronic and Computer Engineering while also seeking opportunities for collaboration across the University.

The successful candidate will have a strong research record, enthusiasm for scholarship, capacity for academic leadership, willingness to engage with other academics and industry, and a strong desire to participate in undergraduate and postgraduate teaching. You will have the opportunity to contribute to the development and delivery of a new Masters of Renewable Energy program.

Key responsibilities

- With advice from senior academics Identify and develop a wide range of research projects synergistic with the existing research groups within the School and the Faculty, contributing to the Faculty's reputation in Renewable Energy.
- Produce high quality research in the area of Renewable Energy, and actively represent the University and the School domestically and internationally in scholarly events and through publishing in high-quality academic journals.
- Contribute to the development and delivery of world class innovative undergraduate and postgraduate courses that delivers a high quality student experience
- Supervise research students at both the undergraduate and postgraduate levels as well as postdoctoral research fellows. Attract and recruit quality postgraduate students and postdoctoral research fellows, both domestic and international.
- Identify and nurture opportunities for collaboration across the University, including involvement in professional associations, conferences and other external activities.
- Contribute to community engagement by building strong working relationships with a range of stakeholders including government and industry.
- Actively support the University's commitment to health and safety, and equity and diversity.
- Duly provide service to the Department the Faculty and the University in its operation; develop and exercise leadership in its affairs; provide services to the government, the scholarly community and the broader public as required.
- Other duties as required.

Your specific work capabilities (selection criteria)

- A PhD in Electrical Engineering or a cognate field
- Demonstrated research experience in Renewable Energy, with emphasis on Smart Grids, with a track record of peer-reviewed publications in high quality journals.
- Teaching and learning expertise in the disciplines of Renewable Energy. Evidence of successful teaching is essential.
- Demonstrated ability and willingness to develop, co-ordinate and teach engineering units at undergraduate and postgraduate levels. (Relative to opportunity).
- Demonstrated success in course development, engaging active learning techniques, and successful student evaluation (relative to opportunity).
- Highly developed interpersonal, verbal and written communication skills with the ability to work effectively as part of a team
- Willingness to engage with industry and community to develop collaborative partnerships and opportunities

- Demonstrated ability to work independently and show Initiative.
- Willingness and ability to teach at either undergraduate or post-graduate levels.

Special Requirements

Nil

Compliance

Workplace Health and Safety

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.

Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

Equity and Diversity

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/publications/code_of_ethics, <http://www.equity.uwa.edu.au>



Position Title:	Senior Lecturer – Smart Grids
Position Classification:	Level C
Position Number:	
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School:	School of Engineering
Department:	Electrical, Electronic and Computer Engineering
Supervisor Title:	Head of Department
Supervisor Position Number:	316901

Your work area

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Your role

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The successful candidate will have a strong research record, enthusiasm for scholarship, capacity for academic leadership, willingness to engage with other academics and industry, and a strong desire to participate in undergraduate and postgraduate teaching. You will have the opportunity to contribute to the development and delivery of a new Masters of Renewable Energy program.

Key responsibilities

- Independently, Identify and develop a wide range of research projects synergistic with the existing research groups within the School and the Faculty, contributing to the Faculty's reputation in Renewable Energy.
- Produce high quality, and significant independent research in the area of Renewable Energy, and actively represent the University and the School domestically and internationally in scholarly events and through publishing in high-quality academic journals.
- Development and delivery of world class innovative undergraduate and postgraduate courses that delivers a high quality student experience
- Supervise research students at both the undergraduate and postgraduate levels as well as postdoctoral research fellows. Attract and recruit quality postgraduate students and postdoctoral research fellows, both domestic and international.
- Identify and nurture opportunities for collaboration across the University, including involvement in professional associations, conferences and other external activities.
- Contribute to community engagement by building strong working relationships with a range of stakeholders including government and industry.
- Actively support the University's commitment to health and safety, and equity and diversity.
- Mentor junior academics and HDR students to manage projects, develop their career goals and develop their teaching and research capabilities.
- Other duties as required.

Your specific work capabilities (selection criteria)

- A PhD in Electrical Engineering or a relevant field
- Demonstrated ability to produce independent, high quality and significant research in Renewable Energy, with emphasis on Smart Grids, with a track record of peer-reviewed publications in high quality journals (relative to opportunity)
- Teaching and learning expertise in the disciplines of Renewable Energy. Evidence of successful teaching is essential.
- Demonstrated success in the development of teaching content, engaging active learning techniques, and successful student evaluation (relative to opportunity).
- Highly developed interpersonal, verbal and written communication skills with the ability to work effectively as part of a team
- Demonstrated ability to work independently and show initiative.

- Demonstrated ability to engage with industry to increase the School and University business development capacity.
- Willingness and ability to teach at either undergraduate or post-graduate levels.
- Willingness to participate in mentoring activities related to teaching, research and career development.
- Demonstrated leadership position at a research or consultancy organisation (Desirable)

Special Requirements

Nil

Compliance

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