

Position Title:	Associate Professor
Position Classification:	Level D
Position Number:	NEW
Faculty/Office:	Engineering, and Mathematical Sciences
School/Division:	School of Electrical, Electronic and Computer Engineering
Supervisor Title:	Head of School
Supervisor Position Number:	303042

About the University

The University of Western Australia (UWA) is ranked amongst the top 100 universities in the world and a member of the prestigious Australian Group of Eight research-intensive universities. With an enviable research track record, vibrant campus and working environments, supported by the freedom to 'innovate and inspire' there is no better time to join Western Australia's top University.

The University is undergoing a period of transformational change to gain greater efficiencies, improve value, services and satisfaction. In this period of change the University remains focussed on being a world leader. The attraction and retention of the world's best employees is critical to achieving the University's strategic aim of being in the top 50 universities by 2050.

Your work area

The School of Electrical, Electronic and Computer Engineering is renowned for its award-winning researchers, teachers and facilities. The broad-based undergraduate and postgraduate programs are complemented by a wide range of research in areas such as microelectronics, control systems, signal processing, power electronics and systems, and biomedical engineering. More information can be found at <http://www.eece.uwa.edu.au/>

With cross-disciplinary research groups, the School 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. The School, which has an international reputation for excellence in bioengineering, seeks to promote the co-location of bioengineers, clinicians and scientists to facilitate the development of medical breakthroughs and the delivery of cutting-edge clinical care.

The School of Electrical, Electronic and Computer Engineering is looking to extend its successful Biomedical Engineering program through a new joint bioengineering lab for multimodal ophthalmic imaging in collaboration with the Lions Eye Institute (<https://www.lei.org.au/>). The purpose of the proposed lab is to develop novel imaging techniques and tools for the early detection of eye disease and to make significant advances in ophthalmic care. The proposed lab will build upon the School's world-class expertise in biomedical optics and biophotonics.

Reporting Structure

Reports to: Head of School

Your role

The successful candidate will conduct high quality research that contributes to the Faculty's initiative in Bioengineering (<http://www.ecm.uwa.edu.au/research/bioengineering>), build a strong, internationally recognised research program that complements the existing research groups in Bioengineering. The successful candidate will be a leader with a passion for teaching, and will develop and deliver the

undergraduate and masters curricula with a focus on bioengineering, as well as contributing to the School, Faculty and University community through service activities.

The Associate Professor in Bioengineering will also undertake research, teaching, unit co-ordination, academic administration and student supervision in collaboration with colleagues and under the direction of the Head of School. The applicant must have a strong research portfolio within Bioengineering. *The School adopts the Australian Research Council (ARC) definition of research and accepts original creative works as research output if they meet the eligibility requirements of ARC Excellence in Research for Australia (ERA) 2015 Submission Guidelines (<http://www.arc.gov.au/era-2015-key-documents>).*

Key responsibilities

1. Setup and lead a new joint bioengineering lab for multimodal ophthalmic imaging in collaboration with the Lions Eye Institute.
2. Produce high quality research in the broad area of Bioengineering, and actively represent the University and the School domestically and internationally in scholarly events and through publishing in high-quality academic journals.
3. Actively seek and secure relevant external funding to support the research programs and strategic emerging research areas of the School.
4. Supervision and recruitment of honours and postgraduate level research students.
5. Develop, co-ordinate and deliver undergraduate and postgraduate teaching.
6. Co-ordinate research in Bioengineering and contribute to research management and development in collaboration with the Head of School.
7. Contribute to the broader School curriculum, administration and other key teaching areas according to the needs of the School.
8. Undertake business development for the School and University.
9. Other duties as directed by the Head of School and the Discipline Chair.

Your specific work capabilities (selection criteria)

Qualifications

- PhD or equivalent experience in Bioengineering. Preference will be given to candidates with research expertise in ophthalmic imaging.

Research and Scholarship

- Demonstrate a strong research track record displaying ability to publish in high quality academic journals, to obtain research funding and to have attained international recognition for their work.
- Have a proven track record in the successful supervision of the research of honours and postgraduate students.

Teaching and Learning

- Demonstrate teaching and learning expertise in the discipline of bioengineering that incorporates research and/or professional practice.
- Provide evidence of commitment to high quality teaching including the development of curriculum and initiatives in effective learning.
- Demonstrate commitment to playing a leadership role in the maintenance of academic standards and in the development of educational policy and curriculum

General

- Relevant industry and research commercialization experience is desirable
- Demonstrated ability to work in an interdisciplinary environment

- Highly developed written and verbal communication skills
- Highly developed organizational skills and demonstrated ability to set priorities and to meet deadlines
- Ability to work independently, show initiative and work productively as part of a team

Special Requirements

No special requirements.

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>