POSITION DESCRIPTION

Position Title: Professor of Biomedical Engineering
Organisation Unit: School of Information Technology & Electrical Engineering
Position Number: NEW
Type of Employment: Full-time, Continuing
Classification: Academic Level E

THE UNIVERSITY OF QUEENSLAND

The University of Queensland (UQ) contributes positively to society by engaging in the creation, preservation, transfer and application of knowledge. UQ helps shape the future by bringing together and developing leaders in their fields to inspire the next generation and to advance ideas that benefit the world. UQ strives for the personal and professional success of its students, staff and alumni. For more than a century, we have educated and worked with outstanding people to deliver knowledge leadership for a better world.

UQ ranks in the world’s top universities, as measured by several key independent ranking, including the Performance Ranking of Scientific Papers for World Universities (43), the US News Best Global Universities Rankings (52), QS World University Rankings (47), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (60). UQ again topped the nation in the prestigious Nature Index and our Life Sciences subject field ranking in the Academic Ranking of World Universities was the highest in Australia at 20.

UQ has an outstanding reputation for the quality of its teachers, its educational programs and employment outcomes for its students. Our students remain at the heart of what we do. The UQ experience – the UQ Advantage – is distinguished by a research enriched curriculum, international collaborations, industry engagement and opportunities that nurture and develop future leaders. UQ has a strong focus on teaching excellence, winning more national teaching excellence awards than any other in the country and attracting the majority of Queensland’s highest academic achievers, as well as top interstate and overseas students.

UQ is one of Australia’s Group of Eight, a charter member of edX and a founding member of Universitas 21, an international consortium of leading research-intensive universities.

Our 50,000-plus strong student community includes more than 13,000 postgraduate scholars and more than 12,000 international students from 144 countries, adding to its proud 240,000-plus alumni. The University has about 7,000 academic and professional staff and a $1.8 billion annual operating budget. Its major campuses are at St Lucia, Gatton and Herston, in addition to teaching and research sites around Queensland and Brisbane city. The University has six Faculties and four University-level Institutes. The Institutes, funded by government and industry grants, philanthropy and commercialisation activities, have built scale and focus in research areas in neuroscience, biomolecular and biomedical sciences,
sustainable minerals, bioengineering and nanotechnology, as well as social science research.

UQ has an outstanding track-record in commercialisation of our innovation with major technologies employed across the globe and integral to gross product sales of $11 billion+ (see http://uniequest.com.au/our-track-record).

UQ has a rapidly growing record of attracting philanthropic support for its activities and this will be a strategic focus going forward.

**School of Information Technology & Electrical Engineering**

It is an exciting time to get involved with the School of Information Technology and Electrical Engineering, located on UQ’s St. Lucia campus. The School is ramping up its investment in teaching, research and engagement to create an inspiring, diverse and flexible workplace. The direction is backed by a bold, new strategic vision to ensure the School is at the forefront of meaningful research outcomes and pedagogy across its core impact areas of health, data, automation and energy. Boasting strong student enrolments in professionally accredited programs, combined with world-class researchers and facilities, the School is focused on strengthening its position in the global computer science and engineering communities. By attracting the brightest minds and fostering a truly innovative and collaborative work environment, the School will develop global solutions to contemporary issues and mentor the leaders of tomorrow.

The School recognises and values equity and diversity, and encourages applications from any individual who meets the requirements of this position irrespective of gender, sexuality, race, ethnicity, religion, disability, age or other protected attributes. The School strives to provide an inclusive working environment, and along with the University is committed to supporting staff with family and caring responsibilities by providing policies, programs and initiatives to help balance work and family responsibilities.

Details of the School may be accessed on its website at [http://www.itee.uq.edu.au/](http://www.itee.uq.edu.au/).

**Information for Prospective Staff**

Information about life at UQ including staff benefits, relocation and UQ campuses is available at - [http://www.uq.edu.au/current-staff/working-at-uq](http://www.uq.edu.au/current-staff/working-at-uq)

The University of Queensland Enterprise Agreement outlines the position classification standards for Levels A to E.

**DUTY STATEMENT**

**Primary Purpose of Position**

The purpose of this position is to lead education of international standard and to provide leadership for research staff and postgraduate students in the School. The position will include course development and coordination for Biomedical engineering. The successful candidate will work with senior staff in the School to join and expand world-class research programs in Biomedical Engineering in one or more of the fields of: medical devices, medical imaging or medical signal and image processing.
Duties

Duties and responsibilities include, but are not limited to:

**Teaching and Learning**

- Coordinate courses and undertake all other teaching duties for undergraduate and postgraduate subjects in the Biomedical and Electrical Engineering program and other programs as required.
- Provide specialist expertise in design of programs and course material, and innovations in the delivery of teaching in the discipline.
- Maintain and improve the quality of courses as measured through evaluation instruments to meet industry and educational standards.
- Understand and apply University Rules relevant to teaching and learning practice.
- Teach and supervise at honours and postgraduate level.
- Work to create an exciting and challenging environment to attract high quality Higher Degree Research students.
- Provide high quality service to students, including academic counselling and advice.
- Provide support for other positions during absences.

**Research**

- Develop and lead a high quality international program of independent and/or team research in the specified fields of Biomedical Engineering, mentoring more junior staff.
- Develop external relationships with clinical and industry colleagues and a translation plan for the research program.
- Manage external relationships, operational activities and financial control of research projects as required.
- Obtain and successfully manage research funding from internal and external sources including the Commonwealth research granting agencies, the state government and industry.
- Maintain an outstanding record of research publication in high quality refereed international journals, books and conference proceedings that contribute to the strategic direction of the School and University.
- Encourage, initiate and coordinate collaborative research, especially interdisciplinary projects that contribute to the strategic direction of the School and University.

**Service and Engagement**

- Create, foster and enhance national and international links with relevant industry, government departments, universities, professional bodies and the wider community to assist the advancement of University, Faculty and School strategic objectives.
- Perform a range of leadership functions in the School, including potentially a rotation as group leader for Biomedical Engineering and providing guidance to more junior staff in developing their capacity for teaching and research.
- Contribute to the processes that enable the academic team to manage the work of the School, including participate in School decision-making and serve on School committees.
- Any other duties as reasonably directed by your supervisor

**Other**

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including but not exclusive to:

- the [University’s Code of Conduct](#)
- requirements of the Queensland occupational health and safety (OH&S) legislation and related [OH&S responsibilities and procedures](#) developed by the University or Institute/School
- the adoption of sustainable practices in all work activities and compliance with associated legislation and related University [sustainability responsibilities and procedures](#)
- requirements of the Education Services for Overseas Students Act 2000, the National Code 2007 and associated legislation, and related [responsibilities and procedures](#) developed by the University

**Organisational Relationships**

The position reports to the Head of School of ITEE or to the group leader for Biomedical Engineering. You may supervise academics in the Research Group.
SELECTION CRITERIA

Essential

• PhD in the area of Biomedical or Electrical Engineering or related field.

• International reputation for outstanding research, impact and scholarship in Biomedical Engineering with an excellent record of publications in high quality refereed journals and conferences

• Demonstrated excellence in University teaching in Biomedical Engineering and curriculum development, and supervision of HDR students to successful completion

• Demonstrated capability to form, manage and lead a diverse group of people, foster a cooperative team environment, and mentor early career staff

• Excellent research management skills, including demonstrated successful external grant applications and new research initiatives.

• Demonstrated ability to establish effect relationships and to represent and promote academic discipline at a university and wider community level, including industry, government and professional bodies.

• Excellent presentation, verbal and written communication skills

Seminar

Applicants invited for interview may be expected to present a seminar in conjunction with the selection interview process.

Qualification Verification

An appointment to this position is subject to the verification of the highest academic qualification from the conferring institution.

The University of Queensland values diversity and inclusion and actively encourages applications from those who bring diversity to the University. Please refer to the University’s Diversity and Inclusion webpage (http://www.uq.edu.au/equity) for further information and points of contact if you require additional support.

This role is a full-time position; however flexible working arrangements may be negotiated.

Accessibility requirements and/or adjustments can be directed to the contact person listed in the job advertisement.