POSITION DESCRIPTION

Position Title: Professor and Centre Director
Organisation Unit: School of Information Technology & Electrical Engineering
Position Number: New
Type of Employment: Full time, fixed term for five years
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 (45), the US News Best Global Universities Rankings (52), QS World University Rankings (55), 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 secured a greater share of Australian Research Council grants in 2016 ($24.5 million) than any other university nationally.

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 230,000-plus alumni. The University has about 7,000 academic and professional staff and a $1.7 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 $11billion+ (see http://uniquest.com.au/our-track-record).

UQ has a rapidly growing record of attracting philanthropic support for its activities and will have further success in this area as an important strategic aim 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.

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

The Redback Technologies Research Centre

The Redback Technologies Research Centre (RTRC) is a research enterprise created in partnership between Redback Technologies and The University of Queensland. Redback Technologies is an innovative start-up company backed by major energy and financial companies and located on UQ’s Long Pocket campus.

The RTRC focus will be on research and development of three principle technologies to transform energy grids and energy consumption. They are:

1. Embedded Networks & Transactional Systems
2. Information Visualisation and Advanced User Experience Design
3. Machine Learning, Big Data Analytics, and Artificial Intelligence

The three research areas are underpinned with expertise in power and energy systems. The integrating of meters, digital controls and cloud computing will enable new data products for direct use by multiple disparate industries. Research, development, and utilization of these technologies will profoundly change the status quo, and see new business models, products and services in sectors such as insurance, finance, transport, infrastructure planning, home automation, and energy networks.

Information about Redback Technologies is available at - http://redbacktech.com

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

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

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,
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.

**DUTY STATEMENT**

**Primary Purpose of Position**

The Centre Director will provide academic and research leadership to staff in the centre. The Director will formulate and implement strategies to meet the Centre’s objectives and to deliver against project commitments.

The Director works with the advisory board and the appointed three domain experts along with ITEE research leaders in these areas to establish the Centre’s strategic direction and priorities and to implement the business plan, operating wholly within The University of Queensland’s policies and procedures. The Director is expected to foster cross-discipline links by interacting with researchers and postgraduate students from a range of disciplines within ITEE and the broader UQ community.

**Duties**

Duties and responsibilities include, but are not limited to:

- Provide overall leadership of the Centre. The Director will ensure that the strategy is set through a process of board, partner, staff and stakeholder engagement.

- Develop and implement annual activity plans for the Centre that ensure delivery against project milestones and that declare actions to implement the strategy.

- Lead and manage activities of the Centre, including responsibility for external relationships, operational activities and financial control.

- Actively seek funding from industry and government sources and attracting internal UQ investment to support the future of the Centre with a 12 year horizon.

- Ensure that research outcomes in the Centre are of the highest quality and facilitate commercialisation of outcomes in the best interests of the founding partners.

- Mentor staff in the Centre and ensure the skills base is aligned with the current and projected industry needs.

- Raise the profile of the Centre nationally and internationally; including developing and implementing marketing strategies.

- Establish, manage and facilitate productive relationships with research sponsors, collaborators and alliance partners.

- Implement and be accountable for UQ and Centre policies and guidelines.
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 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

This position will report to the Head of School, Information Technology and Electrical Engineering. However, the Research Centre will be governed by an advisory board and the Director will report to the advisory board with respect to centre performance.
SELECTION CRITERIA

• A PhD or equivalent qualification in a discipline area related to the energy or ICT sector
• Significant experience and a successful record of achievements in applied research in related fields with demonstrated high quality outputs. A track record of high quality publications would be an advantage.
• Demonstrated capability to form, manage and lead a diverse group of technical specialists, fostering a productive team environment and creating the required culture and vision.
• Excellent project management skills, business acumen and capacity to attract significant competitive research funding from university, government and industry sources.
• Strong leadership skills, including strategy development and implementation and business improvement.
• Experience in IP recognition, management and exploitation.
• A personal network into industry, government, national and international research organisations.
• Demonstrated capability to work with government units and departments.
• A successful record of achievements in a range of research activities and highly regarded among peers.
• Excellent interpersonal, negotiation and communication skills. The ability to communicate with industry and research peers at the highest level of organisation.

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.

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