POSITION DESCRIPTION

Position Title: Senior Lecturer
Organisation Unit: School of Chemical Engineering
Position Number: 3034792
Type of Employment: Full-Time, Continuing
Classification: Teaching and Research Academic Level C

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 $11billion+ (see http://uniquest.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.

Organisational Environment

The School of Chemical Engineering is an international leader in the chemical engineering field and has an excellent international reputation which has been built over four decades at the University. With 39 academic staff, including 21 professors, the School provides quality programs and leadership in chemical engineering education, research and development, and expert consulting to support the process industries. The School conducts undergraduate teaching in the disciplines of chemical, biological, environmental, materials and metallurgical engineering and teaches into postgraduate programs in growing fields including water, sustainable energy and petroleum engineering. The School’s project-centered curriculum was chosen in a RAE & MIT study as one of six global exemplars in leading engineering education. UQ Chemical Engineering was ranked in the top 35 worldwide in the 2017 QS subject rankings for chemical engineering and received top ranking (5/5) in research excellence in 2015 ERA exercise.

The school is entering an exciting phase building on recent successes in individual industry-linkages and international-research partnerships, a new building proposal being examined, a range of senior staff examining transitions to emeritus roles, and a new diverse and inclusive school culture being developed. We are interested in new staff to join us in this exciting journey to further increase our local and international impact in learning and discovery in chemical engineering.

Information about the Faculty and the School may be accessed on the Faculty’s web site at http://www.uq.edu.au/chemeng

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, 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.

DUTY STATEMENT

Primary Purpose of Position

To engage as a teaching and research (T&R) academic in the School of Chemical engineering. This will be done by teaching into undergraduate and postgraduate programs, conducting new research and postgraduate supervision and performing administrative and other activities associated with the School. Strategic research and teaching areas for this role have been identified as process engineering and data analyses, bioengineering and sustainable materials and engineering.
Duties

Duties and responsibilities include, but are not limited to:

**Teaching and Learning**
- Develop and deliver innovative teaching for undergraduate or postgraduate courses in Chemical Engineering
- Supervise postgraduate research students

**Research**
- Develop and implement a research program.
- Initiate research projects, with industry partners.
- Conduct research and publish scholarly papers.
- Grow a national and international research profile.
- Develop productive collaborative research links within UQ and outside of the University.
- Develop and maintain a research program supported by external funding.

**Service and Engagement**
- Contribute to the scholarly life of the school by actively contributing to committee and other service activities.
- Engage with relevant external professional bodies including professional societies, grant funding bodies, journals, schools and industry.
- 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:
- 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**

The position is supervised by the Head of School, Prof Peter Halley.
**SELECTION CRITERIA**

**Essential**
- A PhD in Chemical Engineering, or related field
- Demonstrated capability of research and teaching in Chemical engineering.
- Capability to work collaboratively with industry or industry experience.
- A demonstrated capacity to develop collaborations and alliances with other organisations internal and external to UQ.
- Demonstrated capability to win and execute competitive research projects.
- Ability to work collaboratively with colleagues.
- High level communication skills
- A passion for academic activities including research, teaching and engagement

**Desirable**
- Demonstrated capability to undertake research in the school aligned with major research areas of energy, materials, water and the environment, resources, chemical engineering fundamentals and bioengineering.
- Interest in emerging areas of chemical engineering such as bioengineering, process systems engineering, biobased materials and sustainable engineering
- Capability to deliver both bachelor and masters level courses

**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.

Applications are particularly encouraged from Aboriginal and Torres Strait Islander peoples. For further information please contact our Australian Indigenous Employment Coordinator at: atsi_recruitment@uq.edu.au

Applications are also encouraged from women.

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