POSITION DESCRIPTION

Position Title: Lecturer / Senior Lecturer / Associate Professor (Reader) in Fire/Structural Engineering

Organization Unit: School of Civil Engineering

Position Number: 3036758

Type of Employment: Full time - Continuing

Classification: Academic Level B, C, or D

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 well within the top 100 universities worldwide, measured through a number of major independent university rankings: the Academic Ranking of World Universities, Times Higher Education World University Rankings, US News Best Global Universities Rankings, QS World University Rankings and Performance Ranking of Scientific Papers for World Universities, and is indeed in the top 50 in some of these rankings. Over the past 3 years for which audited data are available UQ has attracted the highest (2013) or second highest (2012, 2014) amount of research funding of any Australian university.

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.

Organisational Environment

The School of Civil Engineering is one of the largest schools in Australia with 41 full-time academic staff members who are widely published internationally and have extensive research backgrounds ranging from structures, fire, fluids, coastal, environmental, geotechnical, and transport.

Additional information about the Faculty and the School may be accessed on the School's website at http://www.civil.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

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

DUTY STATEMENT

Primary Purpose of Position

To engage, as a senior lecturer or associate professor (reader) in undergraduate and postgraduate teaching, postgraduate supervision, and further development of the School's Civil Engineering program, as well as performing research, administrative and other activities associated with the School, Fire Safety Engineering research group, and the Centre for Future Timber Structures.

Duties

Duties and responsibilities include, but are not limited to:

Teaching and Learning

- Teach into undergraduate and postgraduate courses (subjects) in Fire Safety Engineering, and hold the potential for teaching into other subjects as appropriate;
- Supervise undergraduate and postgraduate coursework student thesis and design courses and supervise research higher degree students;
- Initiate and develop course material and coordinate courses;
- Provide effective academic advice to students in accordance with University rules and policies;
- Provide support for other academic staff during absences; and

- Provide leadership in developing courses and programs.

Research

- Conduct research and publish scholarly papers in high quality refereed international journals, books, and conference proceedings;
- Actively seek research funding from internal and external sources including the Commonwealth research granting agencies, the state government and industry;
- Develop a program of fundamental, applied and contract research within School; and
- Develop joint research projects with colleagues and postgraduates.

Service and Engagement

- Perform a range of administrative functions in the School;
- 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;
- Foster the School's relations with industry, government departments, professional bodies and the wider community; and
- 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 of sustainable practices in all work activities and compliance with associated legislation and related University sustainability responsibilities and procedures; and
- 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.

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SELECTION CRITERIA

Essential

- PhD in the area of Fire Safety Engineering, Structural Engineering, Mechanical Engineering, Civil Engineering, or an equivalent discipline. Research interests in fire may include, structural fire safety, fire dynamics, wildland fires, transport fire safety, material engineering, and other areas of fire safety engineering and science.

Desirable

- Applicants with significant experience in developed industry liaisons and professional contacts are strongly encouraged to apply.

Knowledge and Skills

Essential – Level B

- Demonstrated expert knowledge in a relevant discipline and ability to develop innovative research programs in the field of Fire Safety Engineering;
- Established record of publication in high ranking refereed journals; and
- Demonstrated capacity for independent research.

Desirable – Level B

- Knowledge of alternative modes of teaching.

Essential – Level C

In addition to the essentials for Level B entry, the candidate must have the following:

- International recognition and a profile for research in the field of Fire Safety Engineering;
- Demonstrated capacity to obtain and successfully manage external research funds, including contributions as a chief investigator and collaborations which yield new insights and opportunities;
- Evidence of the ability to be a chief investigator in applications for external research funds, especially competitive grants and fellowships; and
- Demonstrated ability to successfully supervise advanced degree students (MSc, PhD, MPhil) as measured in contributions from supervised students in journal publications, conference presentations, and industry cooperation within fire safety and other engineering discipline.

Desirable – Level C

In addition to the desirables for Level B entry, the candidate must have the following:

- Knowledge of alternative modes of teaching in the field of Fire Safety Engineering;
- Experience in liaising and collaborating with external agencies (academic, research, government, and/or industry) to develop co-operative research initiatives; and
- Track record of high quality teaching in the field of Fire Safety Engineering (undergraduate/ graduate).

Essential – Level D

In addition to the essentials for Level C entry, the candidate must have the following:

- A demonstrated record of high impact and international quality research;
- A record of leading successful external grant applications, including collaborating with, and mentoring more junior academics and researchers;
- Demonstrated effective leadership and excellence in a range of settings and roles related to teaching, research, and obtaining funding;
- Demonstrated research and teaching track related to integrated built environment design; and
- Demonstrated leadership in the field of Fire Safety Engineering, shaping the discipline through innovation in research and teaching.

Desirable – Level D

In addition to the desirables for Level C entry, the candidate must have the following:

- A demonstrated record of successful interdisciplinary research collaboration particularly related to fire safety science and engineering;
- Research and teaching track related to integrated building design; and
- Experience in initiating and procuring new agreements with external agencies (academic, research, government, and/or industry).

Personal Qualities

Essential

- Ability to work collaboratively with colleagues;
- Engagement and mentoring skills towards early career academics and researchers;
- High-level communication and interpersonal skills;
- Ability to relate to students; and
- An enjoyment of teaching and research.

Seminar

Applicants invited for interview will 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 social inclusion.

Employment opportunities are not limited by race, ethnicity, religion, disability, age, sexuality, gender or other protected attributes. Applications are encouraged from Aboriginal and Torres Strait Islander peoples. For further information please contact our Indigenous Employment Coordinator at: atsi_recruitment@uq.edu.au