POSITION DESCRIPTION

Position Title: Lecturer in Geotechnical Engineering
Organisation Unit: School of Civil Engineering
Position Number: NEW
Type of Employment: Full Time – Fixed Term until 31 Dec 2022
Classification: Academic Level B

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://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 Civil Engineering is one of the largest schools of its kind in Australia. Located in the state-of-the-art, $135 million Advanced Engineering Building, the School passionately delivers world-leading teaching, research, and service. We aspire to be the civil engineering school of choice for students, staff, industry, and the wider community in the fields of water, environmental, geotechnical, structural and transportation engineering.

Our goal is to foster graduates with the technical and professional skills required to lead the civil engineering profession and we aim to re-engineer civil and environmental research to improve the way communities operate and function.

Our academic staff hail from over 24 countries, are widely published and cited, and have extensive research backgrounds in diverse engineering disciplines including coastal, environmental, fire safety, geotechnical, hydraulics, structural, transport, and water resources. These research strengths attract expert academics and students from around the world and provide industry with consulting expertise, research collaboration and testing facilities.

Our people are our greatest asset. We offer collaborative, inclusive work and study places, which are enriched by the significant diversity of our staff, students and community. We genuinely believe that creativity and innovation flourishes in an environment where people feel supported, valued and empowered. Mutual respect, inclusivity and accountability are at the cornerstone of UQ’s culture.

The School is committed to supporting the career growth of women researchers and have a number of initiatives to support women in developing and achieving a fulfilling research career at the School.

The School has an agreed set of values that include:

1. Respecting each other.
2. Embracing equity and diversity.
3. Making decisions transparently whenever possible.
4. Collaborating across disciplines and universities.
5. Supporting each other.
6. Being accountable and responsible.
7. Seeking first to understand then be understood.
8. Making positive and meaningful societal contributions.
9. Celebrating achievement.

For more information about the School, please visit: www.civil.uq.edu.au

Information for Prospective Staff

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.
Further 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

DUTY STATEMENT

Primary Purpose of Position
To engage, as a lecturer, in undergraduate and postgraduate teaching, postgraduate supervision, and further development of the School's geotechnical and geo-environmental program and others, as well as performing research, administrative and other activities associated with the School and its Discipline in Geotechnical Engineering.

Duties
Duties and responsibilities include, but are not limited to:

Teaching and Learning
- Teach into undergraduate and postgraduate courses in Geotechnical Engineering, and hold the potential for teaching into other courses of the School of Civil Engineering's various Bachelor and Master level programs 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.
- 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 contribute to the research initiatives between the School of Civil Engineering and the Westlake Institute of Advanced Studies (WIAS) with agreed to research visits at WIAS at least once a year.
- Actively contribute to the research on internal erosion and the safety of embankment dams.
- Actively seek research funding from internal and external sources including the Commonwealth research granting agencies, the state government and industry.
- Work with colleagues and postgraduates in the development of collaborative research projects.

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.
- 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.

**SELECTION CRITERIA**

**Essential**

- PhD in the area of Civil Engineering with specialisation in Geotechnical Engineering, or an equivalent discipline.
- Demonstrated expert knowledge in a relevant discipline and ability to develop innovative research programs in the field of Geotechnical Engineering.
- Demonstrated teaching skills at undergraduate and postgraduate levels including an active and effective record of contribution to supervision of honours students
- An ability to establish effect relationships and to represent and promote the academic discipline at a university and wider community level, including industry, government and professional bodies.
- High-level communication and interpersonal skills with the ability to work collaboratively and establish a rapport and good working relationships with students and staff.
- Established record of publication in high ranking refereed journals
- Demonstrated capacity for independent research as well the ability to work collaboratively with colleagues
- Ability to accept and demonstrate the School’s agreed values.

**Desirable**

- Significant experience in developed industry liaisons and professional contacts are strongly encouraged to apply.
- Demonstrated knowledge in innovative methods in either physical modelling including novel observation methods and/or numerical modelling for simulating multi-phase processes on particle and continuum scale.
- Knowledge of alternative modes of teaching.
Seminar
Applicants invited for interview will be required 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.

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.