Lecturer / Senior Lecturer in Mechanical Engineering

FACULTY OF ENGINEERING
ACADEMIC DIVISION



the university for the real world®

About the Position

The School of Mechanical, Medical and Process Engineering (MMPE), in the Faculty of Engineering is seeking a Lecturer (Level B) / Senior Lecturer (Level C) in Mechanical Engineering. The successful applicant will undertake high-quality teaching in mechanical engineering across the teaching streams of Mechanical Design, Thermodynamics, Solid and Fluid Mechanics, and Dynamics.
They will conduct research aligned to the Faculty research priorities advanced manufacturing, reliability, risk and asset integrity, renewable energy, advanced modelling and simulations for complex engineering systems and data-driven/AI-enabled engineering.

As a member of the School, the Lecturer / Senior Lecturer will contribute to the overall success and high-quality teaching outputs of the engineering degree. The candidate must be able to teach across Mechanical Engineering parts of the degree and be willing to cross-cover other teaching as required. The Lecturer / Senior Lecturer will also assist the School and Faculty with the redesign of the engineering curriculum including the creation of new offerings.

The Lecturer / Senior Lecturer will be a key member of the School and Faculty's research community, helping to advance knowledge through mechanical engineering applications and the creation of innovative and novel ideas. The candidate will have the ability to participate in multi-disciplinary research teams to address the problems of our times. The position will also assist with the supervision of undergraduate and postgraduate students.

The candidate may be required to undertake duties overseas (including in China and Asia) as part of QUT's Transnational Education programs delivered in partnership with international institutions. Any required overseas work would generally not exceed 2-3 weeks at any one time. The appointee will demonstrate cultural awareness and adaptability in delivering high-quality education in an international context.

As the candidate progresses in their career, we foresee them undertaking leadership roles within the School and support their future academic development.

This position reports to the Head of School, MMPE for career planning, development, and performance expectations.

Key responsibilities include:

- Undertake high-quality teaching including coordination, development and teaching for units across all levels of programs, including within QUT's Transnational Education (TNE) initiatives. This includes contributing to teaching delivery in China and adopting contemporary, flexible, and digitally enabled pedagogical approaches to enhance student learning outcomes.
- Facilitate excellence in undergraduate and postgraduate teaching, through the development of innovative teaching methods, authentic assessment practices and blended learning.
- Participate in curriculum renewal of existing undergraduate and postgraduate courses, and the design and delivery of new courses
- Undertake ethical, high-quality and innovative research in relevant mechanical engineering areas such as thermo- and fluid dynamics, energy systems and renewable energy, through activities such as high-quality publications, external research funding acquisitions, and higher degree research student supervision.
- Actively participate in high-performing multidisciplinary teams and support the development of the culture of the School
- Supervise appropriate undergraduate/ postgraduate/HDR/staff
- Develop and maintain strategic relationships and networks with a wide range of stakeholders including industry, government, external end-users of research and partner organisations and align research responses to the needs of industry and the wider community.
- Provide leadership within the School, or be willing to grow into a leadership position, in teaching and/or research
- Implementing and administering University policy within the Faculty with respect to equitable access to education and workplace health and safety.

To ensure job flexibility the successful appointee may be required to:

- perform any other duties as nominated by the University consistent with the relevant classification descriptors detailed in the Enterprise Agreement. Staff undertaking any new duties will receive training;
- participate in job rotation or multiskilling in consultation with their supervisor;
- work across campuses

To be appointed as a Lecturer the successful applicant must meet the position classification standards outlined in the QUT Enterprise Agreement (Academic Staff).

The successful candidate may be appointed at Lecturer, Level B or Senior Lecturer Level C depending on their level of attainment against the position classification standards outlined in the QUT Enterprise Agreement (Academic Staff). The position classification standards provide the basis to differentiate between the various levels of appointment and define the broad relationships between classifications. The University reserves the right to appoint at either classification level.

Type of appointment

This appointment will be offered on an ongoing, full-time basis.

Location

Gardens Point campus.

Selection Criteria

1. Completion of a Bachelor of Engineering (Honours) qualification with a major in Mechanical Engineering (or relevant engineering discipline) and a PhD qualification in Mechanical Engineering (or closely related field).
2. Demonstrated capacity to undertake high-quality learning and teaching at a tertiary education level including the ability to implement innovative teaching practices, such as blended learning and authentic assessment. At Level C, the candidate will have demonstrated experience in co-ordination and lecturing of tertiary level units.
3. Demonstrated academic research experience in mechanical engineering, specifically, thermofluids, fluid dynamics, renewable energy, energy systems, or a highly related field, including a track record in producing high-quality publications, securing external research funding, and the supervision of undergraduate and postgraduate students. At Level C, the candidate will have demonstrated independent leadership in developing and managing research projects.
4. Strong interpersonal and communication skills including the demonstrated capacity to collaborate with internal and external stakeholders. Experience working directly in industry and/or undertaking university-based industry research with an external partner is highly desirable.
5. Demonstrated ability to effectively work independently and as a member of a multidisciplinary team to deliver outcomes.
6. Demonstrated capacity to undertake a leadership role within the school. At Level C the candidate would have significant demonstrated leadership experience in teaching and/or research in the tertiary education sector.
7. Demonstrated commitment to equity, diversity and Indigenous Australian engagement.

Remuneration and Benefits

The classification for this position is:

- Academic Level B (LEVB) which has an annual remuneration range of $137,608 to $163,427 pa. Which is inclusive of an annual salary range of $116,280 to $138,097 pa, 17% superannuation and leave loading;
- Academic Level C (LEVC) which has an annual remuneration range of $168,578 to $194,406 pa. Which is inclusive of an annual salary range of $142,451 to $164,275 pa, 17% superannuation and leave loading.

At QUT, we believe that a fulfilling career goes beyond personal and professional development. We are pleased to offer real and generous benefits that include, but not limited to:

- A healthy work-life balance.
- Competitive remuneration with up to 17% superannuation.
- Generous parental leave including primary carer parental leave of up to 26 weeks (including 17% super).
- Fitness passport and discounted rates on private health insurance.
- Leave loading of 17.5%.
- Purchased Leave Scheme - up to 8 extra weeks.
- Salary Packaging Scheme
- Comprehensive professional development opportunities, including leadership programs and study assistance.
- Commitment to our Indigenous Australian staff through initiatives such as the Indigenous Australian Staff Network, Cultural and Ceremonial Leave, Staff Development Workshops and representation on university committees.
- We see diversity and inclusion as our

strength.

Explore more benefits on our website.

Information for applicants

QUT welcomes applications from candidates outside the greater Brisbane area. QUT may meet some travel and relocation expenses involved in the interview and employment commencing process.

Candidates who are interested in the position are encouraged to apply even though they may feel they are not strong on individual selection criteria.

In assessing merit, the panel will take into consideration "performance or achievement relative to opportunity". We recognise that many staff today have a range of personal circumstances, and career histories that challenge traditional ideas of an academic staff member. This may mean, for example, prioritising the quality of achievement rather than the quantity, as considerations of part-time employment, career interruptions and significant periods of leave are taken into account when assessing performance or achievement.

The selection panel is also committed to conducting a process which is fair and free from bias, including unconscious bias.

For further information about working at QUT or for assistance with the application process contact Human Resources on (07) 3138 5000.

Belong at QUT

We are guided by our values of Ambition, Integrity, Inclusiveness, Innovation, and Academic Freedom and our QUT Connections in our mission to inspire and shape the next generation of change-makers.

As part of our commitment to fostering an inclusive workplace, we proudly support our Indigenous Australians Employment Strategy, aiming for an Indigenous Australian workforce participation of 3.6%. We extend a warm invitation to Aboriginal Australians and Torres Strait Islander people to join us in pursuing rewarding careers at QUT.

We believe that diversity is our strength and are dedicated to creating safe, inclusive spaces where everyone can thrive. We strongly encourage individuals from diverse cultures, ages, linguistic backgrounds, sexual orientations, and gender identities, and those who are living with disabilities to apply for positions at QUT.

At QUT, diversity is not just embraced—it's celebrated. See our commitment.

How to Apply

For further information about the position, please contact Prof Emilie Sauret, Head of School, Mechanical Medical and Process Engineering, on (07) 3138 1009.

For further information and to apply, please visit www.qut.edu.au/careers reference number **26620**.

When applying for this position your application must include the following:

- A current resume
- A written response to the selection criteria

Applications close 10 January 2027

About QUT

QUT is a major Australian university with a global reputation and a 'real world' focus. Our courses equip our students and graduates with the skills and mindset they need to realise their full potential in a rapidly changing world.

With more than 50,000 students across two inner-city campuses in Brisbane, QUT offers academic programs in fields spanning business, creative industries, education, engineering, health, law, science and social justice across five faculties.

We are transforming the learning experience—embedding work integrated learning and focusing on developing entrepreneurial skills. We offer flexible pathways into our undergraduate programs through QUT College.

With a history of access, innovation and inspiration, QUT has maintained a strong ethos of being the university for the real world. Our students experience award-winning teaching, high levels of satisfaction and excellent graduate employment outcomes.

We are an ambitious institution, with strong research programs which connect with

fundamental enquiry into societal outcomes.

QUT is well known for our strong links to industry and government, and our interdisciplinary teams create high-impact research in areas as diverse as climate change mitigation, digital media, materials science and biomedical innovation.

Our Vision

With a commitment to enhancing the staff and student experience and doubling Indigenous enrolments over the next five years, *Connections*– the QUT Strategy 2023 to 2027 – is a bold plan to transform the learning experience.

Our strategy establishes QUT as 'the university for the real world', and charts our provision of transformative education, student experiences, and research that is relevant to our communities.

The strategy connects aspiration to opportunity for our students and staff, it expands pathways for our Indigenous Australian students, and it builds supportive research environments.

QUT will also develop a curriculum transformation approach that responds to demand from students to support their journey from high school to graduation and beyond and reinforces the value of professional connections within the curriculum.

QUT Values and Priorities

Aligned to and supporting our vision are the QUT Values:

- Ambition
- Inclusiveness
- Innovation
- Integrity
- Academic Freedom

Underpinned by our Priorities:

- Creativity and entrepreneurship
- Health and wellbeing
- Inclusion and social justice
- Recognising and fostering Indigenous Australian excellence
- Sustainability and the environment

About the Faculty

The Faculty of Engineering aims to shape the world we live in by engineering sustainable, innovative and liveable environments. Our programs focus on teaching, research and building a better quality of life through advancements in robotics, manufacturing, AI, architecture, and construction.

The Faculty adapts and innovates infrastructure to meet real world challenges such as the growing global population, natural disasters and climate change. We pursue high-level engagement with a range of sectors to deliver benefits across health, transport, aero-space, manufacturing, mining and agriculture.

Through long-standing collaborations with partners such as BMW, Boeing, Stryker, and Shell, the Faculty remains at the forefront by facilitating learning that is delivered on campus, online and in the real world. Strong industry connections enable us to address complex challenges through research and innovation, as well as offer our students relevant and practical learning experiences.

Our Schools are established around disciplines that promote collaboration in teaching and research. These include the:

- School of Architecture and Built Environment
- School of Civil and Environmental Engineering
- School of Electrical Engineering and Robotics
- School of Mechanical, Medical and Process Engineering.

The Faculty is also home to outstanding researchers of international renown that collaborate with partners to improve systems in robotics, medical, mechanical, mining, food and beverages, oil and gas, energy, water and sugar. Our Research Centres include:

- Centre for Biomedical Technologies
- QUT Centre for Robotics
- Centre for Transformative Biomimetics in Bioengineering
- Australia-China Centre for Tissue Engineering and Regenerative Medicine

The Faculty is led by the Executive Dean and the Executive Management Team comprising the deputy dean, heads of schools, and other senior faculty staff.

About the School

The School of Mechanical, Medical and Process Engineering delivers education and research into the design, manufacture and operation of Biomedical, Chemical and Mechanical systems and processes.
The School works across all scales, from nanoscale to personal devices to industrial complexes – building pilot plants to put our research into action.

The School builds on the engineering principles of Mechanics, Thermodynamics and Materials Engineering to create new and emerging technologies including Biofabrication, Advanced Manufacturing and Chemical Processing.

We work with partners to build new, and improve existing, systems and technologies across mechanical, medical, mining, food and beverages, oil and gas, energy, waste, sugar, and chemical engineering industries.

The School's research is well aligned with the University's real-world positioning, through partnerships across internal and external boundaries.

Our School leads the following internal and external research centres:

- QUT Centre for Biomedical Technologies
- QUT Energy Transition Centre
- ARC Industrial Transformation Training Centre for Joint Biomechanics
- Max Planck Queensland Centre for the Materials Science of Extracellular Matrices
- China-Australia Joint Research Centre for Biofuels and Biorefining
- ARC Training Centre for Microphysiological System Technology

Our School also has ties with major QUT research centres, including the Centre for Materials Science, Centre for Agriculture and Bioeconomy, and the Centre for Data Science.