



Lecturer in Physics

FACULTY OF SCIENCE
ACADEMIC DIVISION



About the Position

The School of Chemistry and Physics at QUT is committed to increasing gender equity in the workplace. To advance gender equity, the School is seeking to improve gender balance among staff by recruiting an ongoing staff member who identifies as a woman who is able to provide strategic capacity in both research and learning & teaching with the School in any field of physics.

The successful candidate will focus their teaching on providing high-quality learning experiences in QUT's Bachelor of Science (major in physics), Bachelor of Science (Honours), Bachelor of Science Advanced (Honours) and to students in related disciplines such as engineering and health sciences. The appointee's research interests will ideally align with existing strengths in the School of Chemistry and Physics.

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

Key responsibilities include:

- Facilitating excellence in undergraduate and postgraduate teaching through the development and delivery of innovative teaching, authentic assessment practices and flexible and online learning.
- Coordinating and teaching units across all levels of programs.
- Actively participating in unit and curriculum review and design.
- Undertaking research, including publication in high quality peer-reviewed journals, and application for external research funding.
- Engaging with industry, external end-users of research and partner research organisations, with a real-world focus on the needs of industry and the wider community.
- Supervising research students at both undergraduate and postgraduate level.
- Supporting the functioning of the School, Faculty and wider University through internal and external leadership roles.
- 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 \(Academic Staff\)](#).

Type of appointment

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

Location

Gardens Point campus.

Selection Criteria

1. Completion of a doctoral qualification in physics or a closely related discipline.
2. Demonstrated ability to coordinate and teach undergraduate and postgraduate units in physics.
3. Ability to develop and implement innovative teaching practices including flexible and online learning and authentic assessment.
4. Capacity to develop and maintain an excellent research program that supports or complements existing research strengths in the School of Chemistry and Physics.
5. Ability to supervise higher degree research students.
6. Capability to work effectively in teams to support the School, Faculty and University and the ability to contribute to and foster a collegial and inclusive workplace with the school and across the University.

Remuneration and Benefits

The classification for this position is Academic Level B (LEVB) which has an annual remuneration range of AUD\$125,576 to \$149,137 pa. which is inclusive of an annual salary range of AUD\$106,113 to \$126,022 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 are not limited to:

- A healthy work-life balance.
- Competitive remuneration with up to 17% superannuation.
- Generous maternity 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

The position is open to people who identify as women only. This is a program to improve the under-representation of women in STEMM and is an equal opportunity measure under section 105 of the Anti-Discrimination Act 1991. QUT strives to create a safe and inclusive workplace for people of all gender identities.

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.

For further information about the position, please contact Associate Professor Dongchen Qi on +61 7 3138 2168; or for further information about working at QUT contact Human Resources on +61 7 3138 5000.

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.

How to Apply

For further information and to apply, please visit www.qut.edu.au/careers for reference number **23541**.

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

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

Applications close 6 September 2023

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 executive education and professional development through QUTeX, flexible learning through QUT Online and 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
- Curiosity
- 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 Science aims to explore the frontiers of our physical and digital worlds to drive innovation and develop solutions to complex, real-world challenges. We deliver distinctive programs in Information Technology, Mathematics and Science to meet industry demands for data-driven and technological solutions.

Strong connections and long-standing partnerships with governments and industry enable us to address complex challenges through learning, teaching, research, and innovation. We facilitate learning that is delivered on campus, online and in the real-world through relevant and practical learning experiences.

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

- School of Biology and Environmental Science
- School of Chemistry and Physics
- School of Computer Science
- School of Earth and Atmospheric Sciences
- School of Information Systems
- School of Mathematical Sciences

The Faculty is renowned for its translational research expertise in areas such as climate change, energy, geosystems, food security and water resource management led by world-class and internationally recognised researchers. The Faculty is home to both University and Faculty based Research Centres, including:

- Centre for Agriculture and the Bioeconomy
- Centre for Data Science
- Centre for Materials Science
- Centre for Clean Energy Technologies and Practices
- Centre for the Environment
- Centre for Waste Free World

The Faculty is led by the Executive Dean and the Executive Management Team which includes the Deputy Dean, Associate Deans, Heads of School, and the Faculty Operations Manager.

About the School of Chemistry and Physics

The School of Chemistry and Physics is leading teaching and research advances at the frontiers of the physical and chemical sciences to solve real-world scientific challenges. We cover a diverse range of research topics, ranging from the incredibly small (such as atoms and single molecules) to the exceptionally large (supermassive blackholes).

The School conducts frontier research investigating not only the fundamental aspects of matter but also how it interacts with light, radiation or plasma, and exploits the interaction for transformative materials research that enables real-world devices and applications.

Our research teams are working across the whole spectrum of Chemistry and Physics, as well as intersections of several other scientific fields. These include:

- Surface Science
- Materials Science
- Synthesis of Soft Matter Materials
- Molecular/Organic Materials and Devices
- Molecular Recognition and Sensors
- Inorganic Nanomaterials
- Medicinal Chemistry
- Biological and Medical Physics
- Energy Materials and Devices
- Photophysics and photochemistry
- Energy Storage and Batteries including the National Battery Testing Centre
- Sustainability and Circular Economy
- Extragalactic Astrophysics and Cosmology

What will you do in the School of Chemistry and Physics?

- Undertake collaborative, interdisciplinary research.
- Carry out your research using state-of-the-art facilities with access to millions of dollars of cutting-edge scientific instrumentation.
- Utilise scientific rigor in the documenting and reporting of your innovative results.

- Work with a large, collegial cohort of HDR students to build a strong sense of community
- Train with expert peers who are recognised internationally for their achievements.
- Partner with a variety of academic and industrial organisations.
- Connect with a range of end-users and potential employers, from start-up companies, government agencies all the way to multi-national corporations.