



## POSITION DESCRIPTION

<b>Position Title:</b>	Lecturer/Senior Lecturer in Mechatronics/Robotic/Automation Engineering
<b>Organisation Unit:</b>	School of Mechanical and Mining Engineering
<b>Position Number:</b>	TBA
<b>Type of Employment:</b>	Continuing, full time
<b>Classification:</b>	Academic Level B (Lecturer)/C (Senior Lecturer)

## 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://uniquet.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**

With an excellent reputation for quality graduate training and research performance, the School of Mechanical and Mining Engineering delivers a comprehensive range of programs in aerospace, materials, mechanical, mechatronic and mining engineering.

Boasting strong student enrolments in professionally accredited programs, combined with world-class researchers and facilities, we are focused on strengthening our position in the engineering community. We will develop global solutions to contemporary issues and mentor the leaders of tomorrow by attracting the brightest minds and fostering a truly innovative and collaborative work environment.

The School recognises and values equity and diversity, and encourages applications from any individual who meets the requirements of this position, regardless 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.

For more information about the School, please visit: <http://www.mechmining.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 lecturer or senior lecturer, in undergraduate and postgraduate teaching, postgraduate supervision, and further development of the School's engineering programs and others, as well as performing research, administrative and other activities associated with the School.

## **Duties**

Duties and responsibilities include, but are not limited to:

### **Teaching and Learning**

- Teach a broad range of undergraduate and postgraduate engineering courses including mechatronic engineering courses.
- Supervise undergraduate and postgraduate coursework student thesis and design courses, and supervise higher degree research (HDR) students.
- Initiate, 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.

### **Research**

- Conduct research and publish scholarly papers in high-quality refereed journals, books and conference proceedings.
- Actively seek and gain 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.
- Build effective collaborative research projects within the School, the wider University, and internationally.

### **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.
- Contribute to a positive safety culture.
- Foster the School's relations with industry, government departments, professional bodies and the wider community.
- Any other duties as reasonably directed by your supervisor.

### **For Appointment at Level C:**

The duties as per above, in addition to the following:

- Provide leadership in developing courses and programs.
- Significant contribution to research and publishing of scholarly papers in high-quality refereed international journals, books and conference proceedings.
- Have an active and effective record of principal supervision of research higher degree students.
- Develop an ongoing program of discovery, applied and contract research in the area of research.
- Perform a range of higher level internal duties and provide strong contribution to activities relevant to the Centre and Institute and the external community – including industry

### **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**

### **For Appointment at Academic Level B (Lecturer):**

#### Essential

- PhD in mechatronic, robotic, automation engineering or related field, or an equivalent level of experience and education/training.
- Demonstrated track record of enthusiastic contribution to teaching at undergraduate and postgraduate levels which, in turn, contributes to a positive student experience.
- Ability and willingness to contribute toward a positive student experience through excellence in teaching at the undergraduate and postgraduate levels including the following –
  - take responsibility for the preparation and delivery of substantial course modules;
  - coordinate one or more courses;
  - collaborate with others in curriculum design and delivery; and
  - effectively supervise honours and Higher Degree Research (HDR) students.
- Demonstrated a track record of publication in high quality journals and ability to achieve national recognition in the field of research.
- Demonstrated ability to work collaboratively with colleagues from different disciplines as well as with administrative and technical staff.
- Demonstrated commitment to a positive and effective safety culture.
- Ability and willingness to take on allocated internal service roles (e.g. academic advising, committee membership).

### **For Appointment at Academic Level C (Senior Lecturer):**

#### Essential

In addition to meeting the criteria for Level B (above), the following:

- Demonstrated ability to teach enthusiastically across different settings, resulting in continuous improvement of the curriculum, teaching resources and approaches.
- Demonstrated successful coordination of a significant aspect of a program (e.g. major/field of study) or a demonstrated significant contribution to the development of teaching.
- Active and effective record of principal supervision of HDR students.
- Demonstrated evidence of serving as a chief investigator including collaborations which yield new insights and opportunities.

- Attainment of of national recognition and a developing international profile for research as evidenced in high quality publications, and if relevant, by the impact of the research on policy, practice, and/or commercialisation.
- Developed industry liaisons and professional contacts
- Demonstrated ability to perform effectively in a range of higher level internal duties and make a strong contribution to external activities.

### **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 inclusion and actively encourages applications from those who bring diversity to the University. Please refer to the University's Diversity and Inclusion webpage (<http://www.uq.edu.au/equity>) for further information and points of contact if you require additional support.**

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

**Accessibility requirements and/or adjustments can be directed to the contact person listed in the job advertisement.**