POSSESSION DESCRIPTION

Position Title: Lecturer in Computing (Digital Literacy)
Organisation Unit: School of Information Technology & Electrical Engineering
Position Number: 3000604
Type of Employment: Full-time, Continuing
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 $11billion+ (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.

**School of Information Technology & Electrical Engineering**

It is an exciting time to get involved with the School of Information Technology and Electrical Engineering, located on UQ's St. Lucia campus. The School is ramping up its investment in teaching, research and engagement to create an inspiring, diverse and flexible workplace. The direction is backed by a bold, new strategic vision to ensure the School is at the forefront of meaningful research outcomes and pedagogy across its core impact areas of health, data, automation and energy. Boasting strong student enrolments in professionally accredited programs, combined with world-class researchers and facilities, the School is focused on strengthening its position in the global computer science and engineering communities. By attracting the brightest minds and fostering a truly innovative and collaborative work environment, the School will develop global solutions to contemporary issues and mentor the leaders of tomorrow.

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.

Details of the School may be accessed on its website at http://www.itee.uq.edu.au/.

**Co-Innovation Group**

The Co-Innovation Group is a newly formed interdisciplinary collaboration between interaction design, social robotics, cognitive engineering, and software engineering researchers. We are seeking to add new members to the group who are interested in growing impactful research at the nexus of people and technology that engage with significant problems of local, national and global importance. We are particularly interested in people who design, build and develop new technologies.

**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

**DUTY STATEMENT**

**Primary Purpose of Position**

The position of Lecturer in Computing (Digital Literacy) is responsible for undertaking undergraduate and postgraduate teaching including course coordination and program development; research higher degree student supervision; research; and professional
activities in the field of computational thinking and digital literacy. We welcome applications from academics with expertise in Computer Science, Software Engineering, Data Science, and/or Digital Humanities. We seek to appoint someone with interest and experience in interdisciplinary teaching and research collaboration. The successful candidate will join the Co-Innovation Research Group and will primarily contribute to the School of IT’s initiatives into teaching computing fundamentals across the whole of UQ’s range of programs.

Duties

Duties and responsibilities include, but are not limited to:

**Teaching and Learning**
- Play a key role in the School’s new initiatives to teach computational thinking and digital literacy across all of UQ.
- Coordinate courses, prepare and deliver lectures, and tutorials, and undertake assessment and marking for undergraduate and postgraduate courses.
- Initiate the development of new course material applying research and scholarship, particularly into the Design Computing stream of courses. Participate in educational practice and innovative curriculum design including online learning and alternative teaching methods. Maintain and improve the quality of courses as measured through evaluation instruments to meet industry and educational standards.
- Participate in program and course development activities in the School, including consulting with program advisors and stakeholders to ensure courses are engaging, relevant and contemporary.
- Understand and apply University Rules relevant to teaching and learning practice.
- Teach and supervise research honours and postgraduate students.
- Provide high quality service to students, including academic counselling and advice.
- Provide support to other academic positions as needed and during absences.

**Research**
- Develop a research program with expertise in a relevant area of Computer Science to support interdisciplinary collaboration
- Develop an impact profile in one of the School’s core application areas of health, data, automation or energy in partnership with associated communities and/or industry
- Conduct research and publish scholarly papers in both academic peer-reviewed and professional journals that contribute to the School’s strategic research strengths.
- Develop a research profile of international standing that is funded by appropriate organisations such as: external granting agencies; government departments; community groups; philanthropic funding; and/or entrepreneurship.
- Work with colleagues and postgraduates within the School, across the Faculty, and elsewhere in the University, in the development and conduct of joint research projects, especially projects that are interdisciplinary and contribute to the strategic direction of the School.

**Service and Engagement**
- Create, foster and enhance national and international links with relevant industry,
government departments, universities, professional bodies, and the wider community to assist the advancement of University, Faculty, and School strategic objectives.

- Actively contribute to engagement events and activities to promote the disciplines of the School, Faculty and University. Participate in School seminar programs and broader educational activities.
- 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 participation in School decision-making and serving 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 operationally to Professor Janet Wiles, Head of Co-Innovation Research Group, in the School of Information Technology & Electrical Engineering.

**SELECTION CRITERIA**

*Essential*

- A PhD in Computer Science, Software Engineering, Data Science, or a related field.
- Ability to conduct high quality research, to compete for research funding, and develop and maintain collaborative relationships with industry stakeholders.
- Expertise in the design, development and evaluation of digital technologies. Preference will be given to demonstrated skills in interdisciplinary collaboration.
- Demonstrated student-centred teaching skills at undergraduate and postgraduate coursework and higher degree levels, including short courses, intensive mode and online offerings.
- The ability to lead, or work in, cross-disciplinary teams, and to work collaboratively as an effective team member within an academic and professional environment.
• Experience working with industry and/or community stakeholders to enhance teaching, research, and external engagement.
• High level of effective communication and interpersonal skills.

Seminar

Applicants invited for interview may 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.

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