POSITION DESCRIPTION

Position Title: Postdoctoral Research Fellow in Technology Design for People with Dementia
Organisation Unit: School of Information Technology and Electrical Engineering
Position Number: NEW
Type of Employment: Full-Time, Fixed-Term for two years
Classification: Academic Level A

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 well within the top 100 universities worldwide, measured through a number of major independent university rankings: the Academic Ranking of World Universities, Times Higher Education World University Rankings, US News Best Global Universities Rankings, QS World University Rankings and Performance Ranking of Scientific Papers for World Universities, and is indeed in the top 50 in some of these rankings. Over the past 3 years for which audited data are available UQ has attracted the highest (2013) or second highest (2012, 2014) amount of research funding of any Australian university.

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 will have further success in this area as an important strategic aim 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 and is creating a series of new positions in line with 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 ICT 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.

**Co-Innovation Research Group**

The Co-Innovation Division 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.

Details of the School may be accessed on its website at [http://www.itee.uq.edu.au/](http://www.itee.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](http://www.uq.edu.au/current-staff/working-at-uq)

The University of Queensland [Enterprise Agreement](http://www.uq.edu.au/current-staff/working-at-uq) outlines the position classification standards for Levels A to E.
DUTY STATEMENT

Primary Purpose of Position

The position of Postdoctoral Research Fellow in Technology Design for People with Dementia is responsible for undertaking research with the Florence team into the design of technology to support communication between people living with dementia and their carers. The position involves tangible technology prototyping and project management of the Florence project.

The Florence project is part of in the ARC Centre of Excellence for the Dynamics of Language and comprises an interdisciplinary team from occupational therapy, speech pathology, linguistics, interaction design, computer science, robotics, software and electrical engineering.

We welcome applications from researchers with expertise in Interaction Design. We seek to appoint someone with interest and experience in the design and development of interactive technologies, interdisciplinary collaboration, and mixed method research. This successful candidate will join the Co-Innovation Research Group as part of the Florence Project.

Duties

Duties and responsibilities include, but are not limited to:

Research

- Conduct research into the design of technology to support communication between people living with dementia and their carers.
- Work collaboratively with other research activities of the project ensuring that research outcomes are integrated into the final vision for the project
- Deliver clear and tangible outcomes that support the project’s objectives within required timeframes
- Project management of the Florence project.
- Publish scholarly papers in both academic peer-reviewed and professional journals.
- Communicate research through presentations at appropriate forums (e.g., conferences).
- Contribute to the preparation/writing of research grants to internal and/or external agencies

Teaching and Learning

- Contribute to the supervision of research honours and postgraduate students in the Florence project.
- A limited amount of undergraduate teaching may be undertaken.

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.
- 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:

- 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, and is funded by the ARC Centre of Excellence for the Dynamics of Language.
SELECTION CRITERIA

**Essential**

- A PhD (completed or near-completion) in Human-Computer Interaction, Interaction Design, or a related field.
- Experience in project management of interdisciplinary teams and ability to work collaboratively as an effective team member within an academic and professional environment.
- Experience in research and design of technology for people living with dementia
- Evidence of a publication track record in scholarly journals or equivalent professional publications commensurate with the level of appointment.
- Experience developing and maintaining collaborative relationships with industry stakeholders to ensure meaningful real world research.

**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.