Lecturer / Senior Lecturer in Cyber Security – Automation, The University of Queensland – School of Information Technology and Electrical Engineering, Australia.

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It is an exciting time to get involved with the School of Information Technology and Electrical Engineering at The University of Queensland (UQ). 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. Details of the School may be accessed on its website at http://www.itee.uq.edu.au.

About This Opportunity

This position is located at our picturesque St Lucia campus, renowned as one of Australia's most attractive university campuses, and located just 7km from Brisbane's city centre. Bounded by the Brisbane River on three sides, and with outstanding public transport connections, our 114-hectare site provides a perfect work environment – you can enjoy the best of both worlds: a vibrant campus with the tradition of an established university.

For US applicants, please note that Australian Universities use British terminology, as such a Lecturer position is equivalent to that of a tenure-track Assistant Professor position in the US.

The position of Lecturer/Senior Lecturer of Cyber Security is responsible for undertaking research; teaching at undergraduate and postgraduate level including course coordination; research higher degree student supervision; and professional activities in the field of Cyber Security with a focus on cyber security automation.

The appointee will contribute to the University's new cyber security initiative, with research work expected to be focused on the intersection of applied cryptography, artificial intelligence, software engineering and cyber security.

This appointee also serves as an interface with the School of Mathematics and Physics, and AusCERT – a leading Cyber Emergency Response Team for Australia located in UQ (https://www.auscert.org.au). The collaboration with the School of Mathematics and Physics provides access to expertise and equipment in quantum computing, quantum error correction and key distribution, while the collaboration with AusCERT provides access to cyber security expertise and a treasure-trove of anonymised network security data, opportunities to evaluate research outcomes in operational enterprise networks, and access to member organisations on the front-line of contemporary cyber security issues.

Our Ideal Candidate

We welcome applications from computer scientists with expertise in cyber security autonomy and automation, covering areas including but not limited to exploit generation, reverse engineering, symbolic execution, program testing, fuzzing, vulnerability detection and mitigation, security information and event management. Experts with experience and interest in applying machine learning and AI planning to cyber security are also welcome to apply. Experience or an interest in engineering or standardizing industry-grade cyber security solutions will be highly regarded. We seek to appoint a scientist with interest and experience in systems thinking and well versed in vulnerability discovery and exploitation technologies.

- PhD in the area of computer science, software engineering, cyber security, mathematics or related fields.
- Demonstrated expert knowledge supported by a track record of original thinking, high quality publications, and fresh approaches to cyber security research.
- Demonstrated teaching skills at undergraduate and postgraduate levels.
- An ability to establish effect relationships and to represent and promote academic discipline at a university and wider community level, including industry, government and professional bodies.
- Evidence of a contribution to research, including successful external grant applications.
- Ability to work collaboratively with colleagues in the development and conduct of joint research projects, especially projects that are interdisciplinary and contribute to the strategic direction of the School and the UQ Cyber Security Initiative.

We value diversity and inclusion, and actively encourage applications from those who bring diversity to the University. Our Diversity and Inclusion webpage contains further information if you require additional support. Accessibility requirements and/or adjustments can be directed to recruitment@uq.edu.au.

What We Can Offer

This is a full-time, continuing position at Academic level B or C.

The full-time equivalent base salary will be in the range AUD$95,771 - $113,728 for Level B and AUD$117,319 – $135,276 for Level C , plus superannuation of up to 17%. The total FTE package will be in the range AUD$112,052 - $158,272.

You will be able to take advantage of UQ Sport Facilities, recreation leave loading, salary sacrificing options, on-campus childcare, discounted private health insurance, cheap parking, development programs and many other benefits.

For further information, please review The University of Queensland's Enterprise Bargaining Agreement 2018-2021.

Questions?

To discuss this role please contact Professor Ryan Ko on +61 7 3365 1092 or email at ryan.ko@uq.edu.au.

Want to Apply?

To submit an application for this role, go to http://search.jobs.uq.edu.au/caw/en/job/508469/lecturersenior-lecturer-in-cyber-security-automation and use the Apply button. All applicants must supply the following documents:

- Cover letter
- Resume
- Responses to the Selection Criteria

To satisfy pre-requisite questions and ensure your application can be considered in full, all candidates must apply via the UQJobs portal by the job closing deadline. Applications received via other channels including direct email will not be accepted.

Applications close: 20 January 2020

Job No: 508469