

# UQ Cyber Security

## Inviting Industry Partners



## Our Mission

To address global cyber security challenges and educate top leaders in the sector.

## Our Vision

A world leading cyber security hub - supported by state-of-the-art infrastructure - bringing together leading minds across multi-disciplinary fields.

## Our Focus

**UQ Cyber Security is a university wide initiative, undertaking research, teaching and outreach from diverse fields, including technology, business, mathematics, social science and law.**

- **Our research** delves into some of the biggest challenges within cyber security - from cutting edge topics like secure quantum communication to broader governance and policy issues facing the sector.
- **Our inter-disciplinary teaching programs** recognise that cyber security is a field requiring both deep specialist skills and experience as well as broad strategic insight into the global cyber security landscape.
- **Our outreach activities include:** regular workshops, conferences and other training activities aimed at enhancing awareness and capability within the broader community.

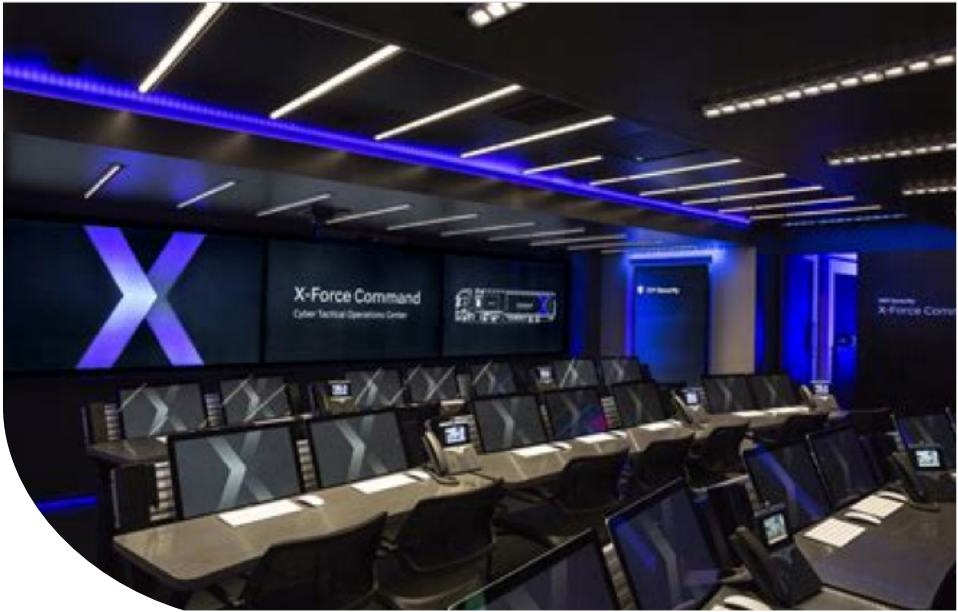
## Integrated Real-World Experience

**We understand that practical hands-on experience is essential to developing proactive problem solvers with exceptional skills for what they know is happening NOW and the ability to prepare for what is coming in the future.**

- Simulated cyber security challenges through access to real-world data, case studies and scenarios
- Industry expertise in the classroom through co-teaching with AusCERT, industry guest lecturers & world renowned researchers
- Professional networking - mixed learning co-hort and opportunities to network with industry professionals
- Industry based capstone projects, post-doctoral ....

## Our Team and Existing Initiatives

- Director: Professor Ryan Ko;  
Deputy Director: Associate Professor John Williams
- 48 Academics across 13 fields
- AusCERT
- Undergraduate Cyber Security Major
- Multi-disciplinary Master of Cyber Security commencing 2020
- ARC Training Centre
- Professional training workshops
- Distinguished Speaker Series



X-Force Command Cyber Tactical Operation CentreSource, IBM News Room, 15 October 2018

## Opportunities for Partnership

We believe that strong and effective industry collaboration and partnership is integral to achieving our mission. We are inviting partners to join us in building our vision.

### 1. Training Security Operation Centre

A multipurpose teaching and 'living laboratory' space. The training SOC will facilitate observation activities and provide a simulated environment to meet teaching, training and research objectives incl:

- training in SOC operational and management roles
- shadowing of UQ's operational SOC
- deployment of operational tools and workflows
- support for war-room simulations
- evaluation and deployment of experimental research tools
- evaluation of human-computer interaction

### 2. Cyber War Room

A flexible and configurable space for cyber war gaming where teams can contest a virtual environment as part of teaching /training and as a research test-bed.

The war-room will provide co-location for teams as well as physical and digital observational capabilities. The space will be also support other cyber hub functions including competitions, workshops and seminars.

### 3. Device Testing Lab

In partnership with IT vendors, staff and students will conduct security and vulnerability assessments on a wide variety of hardware - from servers to desktops; mobile devices to IoT devices; 3D printers.

The lab will combine test benches, hot desks, lockable storage and be secured via CCTV and limited key card access.

## 4. Hardware and Software Support

In order to deliver cutting-edge research and teaching, we seek support in sponsoring:

- Mobile Consumer IT devices
- VR equipment
- 3D printers

## 6. Internships and Placements

Internships and opportunities to undertake industry based capstone research projects provides valuable real-world experience for our graduates, helping to ensure that they are workforce ready.

## 5. Scholarships

Part of addressing Australia's shortfall in cyber security specialists is broadening the talent pool. We invite sponsorship of groups who are underrepresented within IT to ensure that the best minds - regardless of demographic or academic background - are attracted to this field.

Named Scholarships and Student Awards may include:

- Women in Cyber Security
- Industry Nominated Scholarships

# Get in touch to discuss how you can be part of building Australia's Cyber Resilience

### Benefits of Partnership

Access to experienced academics and PhD talent working on research projects of mutual interest

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Disclosure of vulnerabilities found

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Access to a pool of highly skilled and job-ready graduates

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Opportunity to upskill staff through training and workshops

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Naming recognition is available and the University would be pleased to discuss this and any other recognition opportunities that may be of interest.

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OF QUEENSLAND**  
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