



CYBER SECURITY
COOPERATIVE
RESEARCH
CENTRE

CYBER SECURITY RESEARCH CENTRE LIMITED

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Graduate Scholarships

An exciting opportunity to be funded to conduct research in cyber security

Research Scholarships of up to \$50,000 p.a. are available from the Cyber Security Cooperative Research Centre (CSCRC) for outstanding students to undertake PhD and Masters (by Research) degrees into cyber security.

Masters (by Research) degrees may also be undertaken part-time while based on site at one of our CSCRC Industry and Government Participants.

Successful students will be enrolled at, and supervised by staff from, one of the seven CSCRC Research Participants: Charles Sturt University, CSIRO/DATA61, Deakin University, Edith Cowan University, Queensland University of Technology, The University of Adelaide and the University of NSW.

The CSCRC is a public, not-for-profit company focused on delivering research with impact and solving real-world cyber security problems with innovative, industry-driven solutions.

The CSCRC aims to inspire the next generation of cyber security professionals through working with some of the best cyber security researchers in Australia, and engagement with the CSCRC Industry & Government Participants.

Further details of the CSCRC Government & Industry Participants may be found at:

<https://www.cybersecuritycrc.org.au>

You are invited to apply at any time for a CSCRC Scholarship to carry out research in one of the following CSCRC Research Themes:

- **Resilient Systems:** To automate the assessment of high-volume network traffic to identify 'red flags' that enable cyber security professionals to better prioritize their time on higher value-adding activities.
- **IoT Systems –Security and Configuration:** To develop new approaches to identify threats and secure the deployment of the Internet of Things.
- **Next Generation Authentication Technologies:** To develop authentication technologies to protect access to control systems used in the water, power, and mining industries.
- **Emerging Threats – Network Forensics and Response:** To develop techniques to trace (at a forensic level) where cyber threats have originated, and automate this ability across complex infrastructure and architecture environments.
- **Platform and Architecture for Cyber Security as a Service:** To develop a secure integrated platform that will enable cyber security providers to offer robust security services.
- **Security Automation and Orchestration:** To develop technologies for security orchestration that can be provisioned as cyber security solutions as a service.

- **Privacy Preserving Data Sharing in a Hyper-connected World:** To develop techniques for sharing threat data whilst ensuring data remains confidential, and provide algorithms for accessing and analysing threat data, metadata and patterns.
- **Real-Time Monitoring of Cyber Security Threats:** To develop visualization techniques that enable rapid situational awareness of cyber threats and risks that will deliver confidence in the quality and provenance of shared information.

CSCRC SCHOLARSHIP CATEGORIES

The CSCRC Scholarships are provided by the CSCRC for three years (with a possible 6 months extension) for a PhD, and 1.5 years full-time (or 3.5 years part-time) for a Masters (by Research) with a possible 6 months extension.

Scholarships of \$50,000 p.a. are available for Australian, New Zealand students, or Permanent Residents of Australia.

Scholarships of \$37,000 p.a. are available for International students. Further, depending on the thesis topic and industry supporter, a further top-up of up to \$13,000 p.a. may be available.

Top-up CSCRC Research Scholarships of \$23,000 p.a. are available for Australian, New Zealand students, or Permanent Residents of Australia, and \$10,000 p.a. for International students for any student who already has a Graduate Scholarship such as through the Research Training Program.

ELIGIBILITY

Before a Scholarship can be awarded, a successful applicant must provide a valid unconditional offer of admission (or be an existing student) to a postgraduate research degree at one of the CSCRC Research Universities.

APPLICATION PROCEDURE

Potential applications should discuss their proposed research with CSCRC researchers in advance. Initial points of contact for the CSCRC Research Providers are:

- Charles Sturt University: tanveer.zia@cybersecuritycrc.org.au
- CSIRO/DATA61: surya.nepal@cybersecuritycrc.org.au
- Deakin University matthew.warren@cybersecuritycrc.org.au
- Edith Cowan University: mike.johnstone@cybersecuritycrc.org.au or p.haskell@cybersecuritycrc.org.au
- Queensland University of Technology c.fidge@cybersecuritycrc.org.au
- University of New South Wales: sanjay.jha@cybersecuritycrc.org.au
- The University of Adelaide: ali.babar@cybersecuritycrc.org.au

Submit your Scholarship Expression of Interest (EOI) to one of the above contacts for the CSCRC Research Providers as well as to:

scholarships@cybersecuritycrc.org.au

Before a CSCRC Scholarship approval is made, you will be required to provide:

- Evidence of application for admission to a postgraduate research degree at one of the Research Providers.
- The research proposal submitted for admission demonstrating interest and applicability to one of the CSCRC Research Themes.
- Your CV.
- Copies of your academic transcripts.
- A one-page statement outlining which CSCRC Scholarship Category (outlined above) you are seeking to apply for, and why you would be a suitable CSCRC Scholar.

For details about how to apply for research degrees at any one of the CSCRC Research Participants, contact the relevant University.

CLOSING DATE:

- CSCRC Graduate Scholarship applications will be considered through the year.