



## NZCSC'18



The NZ Cyber Security Challenge 2018 (NZCSC'18) hovers into action with a drone challenge for Round 1 & 2 contestants on Friday, July 13 at the University of Waikato campus.

Challengers will test their hacking skills as they attempt to take charge of a drone controlled by a host's smartphone and intercept photos taken by the drone's camera. Prizes will be awarded to the successful hackers.

Friday's action also includes training sessions with some of the best, opportunities to

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Round 0 online qualifying round will take place from June 18-29, with the top 150 moving on to Rounds 1 and 2 on Saturday, July 14 at the University.

After a series of capture-the-flag challenges, the top five teams from Rounds 1 and 2, take turns defending their server from attackers.

## Find out more about the NZCSC'18

### Women in Cyber Security

The statistics look grim for women in cyber security, according to the 2017 (ISC)<sup>2</sup> Global Information Security Workforce Study on *Women in Cybersecurity*, the number of women working in information security has remained stagnant at 11%, despite the worldwide growth of the cyber security industry. It also found that women often had higher education levels than their male counterparts but fewer of the senior roles and 51% of women working in the field experienced discrimination, from unexplained delay in career advancement to exaggerated highlighting of mistakes. However, CROW assistant research programmer Harpreet Kaur is hoping events like the upcoming Women in Cyber Security Workshop at the NZCSC'18 will help buck this trend.

[Find out more](#)



### EARLY BIRD (ISC)<sup>2</sup> CISSP Seminar registrations



#### NZISCS (ISC)<sup>2</sup> CISSP CBK Seminar

[\*\*\*Register for the Early Bird before Friday, June 1\*\*\*](#)

**25 - 29 June 2018**

9am-6pm daily

Location - Vodafone House

160 Lambton Quay

Lambton House

Wellington

The CISSP certification is ideal for security practitioners, managers and executives interested in improving their knowledge across a wide array of security practices and principles. The CISSP is also the gold-standard in information security professional certifications, and used as an entry requirement for management level positions at USA Federal Government information security jobs. This is a unique opportunity for NZ-based professionals to receive world-class training led by an experienced (ISC)<sup>2</sup>-authorized instructor from North America.

### News



CROW senior lecturer Dr Joe Burton is in the news with his recently published book about NATO and visit to Estonia to get a first-hand look at NATO's Cooperative Cyber Defence Centre of Excellence. [Read more](#)



Quantum computers will be able to instantly break the encryption of sensitive data protected by

## NICT visit to install darknet sensors



Watch the amazing 3D cyber attack alerts system DAEDALUS in action.

Japan's National Institute of Information and Communications Technology recently visited the CROW lab to install Direct Alert Environment for Darknet And Livenet Unified Security (DAEDALUS) mechanism to detect attacks on unused IP address space, referred to as Darknet. Designed to detect malware infected host (especially, worm-type malware that has the self-propagation function) inside an organisation in earlier stages, DAEDALUS will send an alert to the organisation. CROW joins the Darknet observation network to monitor real time malicious activity in the university, increasing security to the live network.

## Singapore students



From left Jun Min, Daniel and Jun Kang

The latest round of interns from Singapore's Nanyang Polytechnic have been at the CROW lab since March. Their time in New Zealand is about to an end but they all agree they have gained a lot from their time working with the CROW team.

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## DeepMind Technologies founder hails from Waikato University



CERT NZ to take lead in new Pacific Cyber Security Operational Network. [Read more](#)



Cyber security experts say small businesses are lacking knowledge on the risks of cyber attacks. Check out the [Herald article](#).



The Government's Budget 2018 will inject an extra \$3.9 million for New Zealand's Computer Emergency Response Team (CERT) over the next four years. [Find out more](#)



Britain must be prepared to launch cyber attacks on enemies or risk "falling behind" in modern warfare. [Read full article](#)

## Job Market

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world's leaders in artificial intelligence recently received a Distinguished Alumni Award from the University of Waikato. In 2010, Shane joined forces with neuroscientist Demis

Hassabis and former video game designer Mustafa Suleyman to establish DeepMind Technologies.

DeepMind's program AlphaGo took on the legendary 9-dan pro Lee Sedol, the top Go player of the past decade, in a \$1M 5-game challenge match in Seoul. AlphaGo won 4 out of the 5 games.



AlphaGo lead researcher Professor David Silver explains how AI will be a multiplier for human ingenuity and ultimately helping to solve some of the most important challenges humanity is facing.



Three and a half million. That's how many unfilled cyber security jobs there are expected to be by 2021.

[Read more](#) about bridging the cyber security talent gap.

### Job opportunities



CareersNZ says job opportunities for Security Analysts are good due to a shortage in skilled workers. [Find out more](#)



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