



## Cyber Security Researchers of Waikato (CROW) Newsletter January 2017

### CROW Hosts Global Cyber Security Event

The annual International Organization for Standardization ([ISO](#)) event responsible for cyber security international standards such as the ISO/IEC 27000 series is coming to the University of Waikato in April.



Hosted by USA-based [Cloud Security Alliance](#) on behalf of Standards New Zealand and supported by the University of Waikato and Tourism New Zealand, the 28<sup>th</sup> ISO/IEC JTC 1/SC 27 Plenary and Working Group will bring about 400 cyber security experts from around the world together.

Event co-convenor and CROW head Dr Ryan Ko says the event is one of two held each year by Swiss-based ISO and helps shape how the industry moves and operates.

[Read more](#)

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## Calling all cyber sleuths



Get set for another exciting round of cyber sleuthing on 14th and 15th July 2017.

The last three instalments of the Cyber Security Challenge have been an astounding success. What started as a local competition for University of Waikato students, the CSC is now a nationwide competition with increasing numbers of participants each year and

growing support from industry partners and supporters. The team at CROW would like to thank them for their continuing support.

This fourth challenge is promising to be an even better event with improved training sessions and a new policy round to further challenge cyber sleuths.

[Read more](#)

[NZ Cyber Security Challenge website](#)

## Cyber word from Siuta



CROW student Siuta Laulaupea'alu will graduate in May with a Masters of Cyber Security. He is currently working on a research project conducted in Tonga last year. He will travel with Dr Ryan Ko and Dr Sivadon Chaisiri to The Kingdom of Tonga in February to present his research project findings to the Government.

The Deputy Prime Minister of Tonga, Hon Siaosi Sovaleni and his team will be visiting the

University of Waikato) to sign a memorandum of understanding with CROW.

Check out what he thinks about cyber security and more.

[Question time](#)

## INTERPOL bound student

## News



ISO conference hits the headlines in Stuff. Check out the story [here](#).



Cybercriminals attempted to block access to 20m UK Lloyds accounts. Visit [The Guardian](#) for more.



Congratulations to CROW PhD student Mark Will awarded a prestigious Prime Minister's Scholarship for Asia for an INTERPOL Cyber Security Research Internship based in Singapore.

Mark completed a Bachelor of Computing and Mathematical Sciences (First Class Hons) at the University of Waikato in 2013 and in 2014 was

awarded a Top Achiever Doctoral Scholarship from the university.

He recently began his internship last week and will be at INTERPOL until mid-April 2017.

## CROW hosts international scholar



Visiting CROW from Guangdong Polytechnic Normal University in China, Electronic and Information College, associate professor Dr Liu Lan has been engaged in academic and industry research on network security since 1999.

She completed a PhD in Computer Science from

Huazhong University of Science and Technology, China in 2007.

Dr Liu Lan is working with CROW to construct random networks or scale-free networks to study the spread of Malware propagation and prevention in software defined networks, using medical models of the spread of epidemics.

## Singapore interns at CROW



Nanyang Polytechnic students Janice Kho and Nur Saidah are on a 12-week internship from Singapore.

Here since November 2016, they are currently working on a visualisation project for the Cyber Security Challenge ,with

Saidah analysing data and Janice looking at visualization using WebGL as well as functionality.

Working towards a Diploma in Information Security, both students are committed to cyber security for internet citizens.



By 2020, networks with tens of millions of devices will be the norm and securing these devices will be the biggest challenge facing 2017. [Read more](#)



Cyber criminals are developing services to protect themselves from scammers. Check out the [article](#).



With a shortage of security talent, the fourth annual State of Security Operations Report 2017 shows advanced threats still require human investigation.

[Read more](#)

## Events



[Aura Information Security are hosting 31c0n](#) – a new cyber

Janice and Saidah are enjoying a different approach to academic life at Waikato and say there is more flexibility with time and project work as well as excellent guidance from the CROW team.

Both are keen to pursue a cyber security degree in Singapore. Janice looking to a career developing cyber security software and Saidah also hoping to work in the cyber security field as well.

## STRATUS FORUM 2016



STRATUS Forum 2016 recently showcased the next phase of its journey – the commercialisation of technology.

Turning abstract ideas into real products requires intense collaboration and two

years down the track the relationships STRATUS has developed with business partners such as LayerX and Gallagher has delivered fruits of that labour.

With the ultimate goal of creating a pipeline of NZ-made, science-led technological exports which focus on giving users control over their data in cloud computing environments by 2020.

Gallagher was represented by software development manager Andrew Scothern who believes STRATUS is very relevant to the direction the world is going with respect to the increasing use of Cloud Services and the growing need for security controls.

“As we move to offer more Cloud Services ourselves our STRATUS partnership offers us a chance to leverage the innovative work being carried out and offer better services to our customers. The commercialisation phase is extremely critical as it will determine which research can actually make the transition into a value adding product the customers will actually value.”

## STRATUS event photos



security event aimed specifically at highlighting the ever-present threats facing cyber security practitioners and all businesses in New Zealand.

**Date: February 23–24**

**Venue: Viaduct Event Centre, Auckland**

## Vacancies



We need you!  
CROW is on the hunt for an Assistant Research Programmer. Check out the [job description](#) and [apply online](#).





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