



Cyber Security Researchers of Waikato (CROW)

August 2016

Kia ora koutou,

Welcome to the first newsletter of the Cyber Security Researchers of Waikato (CROW)! Released on the final Friday of every month, our newsletter aims to provide subscribers with useful knowledge, prominent cyber security innovation trends, and cyber security related events in New Zealand. We have also updated our web page - <https://crow.org.nz> - to provide easier navigation and access to research and useful tools.

CROW focuses on three gaps in the wider security landscape:

1. Science and research training: We conduct high-quality, industry-relevant scientific research. Our researchers are developing inventions which help 'return data control to users'. We'll be sharing several of these inventions in upcoming newsletters. Our alumni are employed at leading security companies such as Gallagher and Deloitte and have experience working with international organisations including INTERPOL and the ISO.



2. Technology transfer: Without adoption into the 'real world', a research project's potential is wasted. Through leading the large-scale Ministry of Business Innovation and Employment \$12.2 million, six-year, [STRATUS](#) project, we're creating a niche of user-empowering security exports.

3. Promote awareness of scientific innovation and education opportunities: We host the annual New Zealand Cyber Security Challenge while the STRATUS research group holds an annual forum in Wellington.

Along with these key aims, our research also contributes to research dissertations and theses in undergraduate and graduate degrees, including the Bachelor of Computing and Mathematical Sciences (Hons), Postgraduate Diploma in Cyber Security, Master of Science (Research), Master of Cyber Security and PhD.

We believe that research and innovation is the only way to overcome the unsustainable levels of cyber security incidents and malware emerging every second. When a user gets hacked, they will usually not know how to help themselves, if they even know they've been attacked. Addressing this simple scenario presents several exciting research opportunities.

Thank you,

Dr Ryan Ko, PhD, CCSP
Head, Cyber Security Researchers of Waikato
Science Leader, STRATUS
University of Waikato, New Zealand

Survey of New Zealanders' Mobile Internet Security Awareness

Last year, InternetNZ selected CROW's Dr Ryan Ko and Dr Sivadon Chaisiri to conduct a statistical survey of New Zealanders' mobile security awareness.

It provided a research grant of \$9000 for the researchers capture New Zealanders' awareness of and knowledge about cyber security threats when using mobile devices connected to the Internet.

The survey aimed to help InternetNZ and the Internet community have a greater understanding of mobile Internet security issues in New Zealand and prepare appropriate solutions along with

helping prepare national Internet security strategies for raising awareness of secure Internet use.

The results, as shown in the infographic, provide important information for the internet community and demonstrate how CROW is contributing to New Zealand's cyber security challenges.

See the [infographic](#) (15MB) and the full [research report](#) (49MB) for the key findings of the survey.

Student engagement

The University of Waikato Computer Science Undergraduate Scholarship is open to Year 12 or Year 13 secondary school students who intend enrolling fulltime in the first year of a BCMS, BSc, BE (Hons) or BCGD degree at the University of Waikato. Applications for the \$5000 scholarship close on 23 September.

<http://www.waikato.ac.nz/scholarships/s/computer-science-undergraduate-scholarship>

Trends/News

International survey shows cyber security workers earn the most, with income driven by acute shortage of professionals

<http://www.timesofisrael.com/in-israel-cybersecurity-workers-earn-most-survey/>

In case you missed it, Team Hodor won the 2016 National Cyber Security Challenge

<https://educators.co.nz/story/team-hodor-wins-nz-cyber-security-challenge/>



Events

The NZTech Advance Security Summit is at Te Papa in Wellington on 17 October.

<https://www.techleaders.co.nz/security>

The STRATUS Forum 2016 is on 5 December at MBIE in Wellington.

It is a half-day public engagement forum conducted by scientists and industry partners of the MBIE-funded STRATUS research project. The key goal of the STRATUS research project is to create a pipeline of NZ-made, science-led technological exports which focus on empowering users with control over their data in cloud computing environments by 2020. During the forum, people can visit booths explaining the technology transfer process and engage with the STRATUS research teams.

<https://stratus.org.nz/>

We welcome your input, feedback and suggestions. If you have cyber security information to share, email us at info@crow.org.nz and we'll include it in the next newsletter.



<https://crow.org.nz/contact>

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