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CROW tackling the cyber security issues of 2019

Hello Everyone

Hope you are having a great new year that has been cyber-incident free so far. By now most people have returned to work so it seems to be a good time for our first newsletter of the year.

As the year ends many cyber security firms come out with their predictions for the future. Many predictions have been made for 2019 and beyond and the outlook presents more challenges than before. As cyber security professionals mitigate some threats, new ones emerge. Some of them evolve from the old threats, some old threats are packaged for new systems and some with completely new attack vectors. We at CROW endeavor to help the community and the world in general to tackle these challenges through research and education and will continue to do so. However, the new year as well as the change of leadership has provided us an opportunity to refresh our strategy and renew our focus. Going forward, while we will be at the cutting edge of cyber security research, most work at CROW will be focused in the following three areas.



Cloud Security

CROW has done considerable amount of work in the past on cloud security. We will consolidate our strength in cloud security and work with our partners to build on the progress we have made.

IoT Security

The IoT industry will continue to grow and we will see more penetration of IoT devices at home and in the industry. IoT security has in the past few years been an active area of research and will be in the future as adoption increases. We at CROW will take advantage of our past research expertise and work on solutions for IoT security.

Malware Research

Our third area of focus will be malware research. The threats from malware continue to evolve and pose challenges to the cyber security community. We will leverage our strong theoretical and practical cyber security knowledge to tackle some of these challenges.

Over the past few years CROW has built a reputation for world-class research. By streamlining our focus towards these three areas we believe we can continue to do that in the future. We will continue working with our partners on previous as well as future projects to bring the research to fruition and to better serve the community. In addition to that, we would welcome any opportunity

Internet of Things security seminar



Pictured above - Dr Dan DongSeong Kim and CROW head Vimal Kumar

University of Canterbury Senior Lecturer in Cybersecurity [Dr Dan DongSeong Kim](#) ran a [Cyber Security Modeling and Analysis of Internet of Things](#) seminar at Waikato recently. He talked about ongoing research topics under a MBIE grant for *advanced security technologies for the Internet of Things*.

CROW visits CERT NZ



CROW head Vimal Kumar and research fellow Abigail Koay recently attended the Inaugural [CERT NZ](#) Cyber Security Landscape event in Wellington. They were also joined by Waikato University's Research & Enterprise research development manager [Dr Trevor Drage](#). CERT presented an overview of what they have been doing in the last 18 months and described the top five cybersecurity threat landscape as seen in New

ENROL



There's an increasing international demand for trained cyber security professionals. When you study cyber security at Waikato, you'll have the opportunity to work with, and learn from award-winning cyber security experts. Our academics also have strong international connections with industry and government, such as the [National Cyber Policy Office](#) and [INTERPOL](#).

Enrol now for the Master of Cyber Security.



The [18th IEEE International Conference on Trust, Security and Privacy in Computing and Communications \(IEEE TrustCom-19\)](#) will be held in Rotorua, New Zealand from **5 - 8 August, 2019**.

Bringing together researchers and practitioners in the world working on trusted computing and communications.

Important Dates

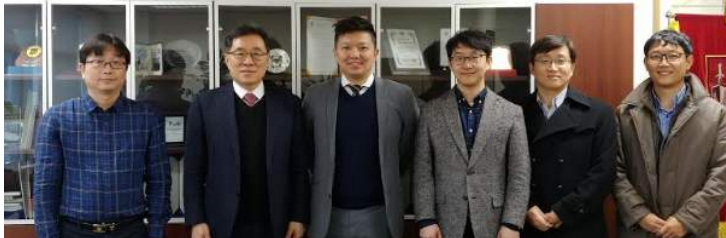
Workshop Proposal Submission deadline
February 1, 2019

Paper Submission deadline
February 28, 2019

Ryan says they also had the opportunity to hear the about CERT NZ's new product - Threat Intelligence API - that helps to indicate malicious activities in their partner networks. "We had a great networking session talking with the CERT team about our research at CROW."

Paper Author notification
May 27, 2019

CROW forging links with South Korea



CROW assistant research programmer TJ Choi and former CROW head Dr Ryan Ko attended the East Asia Peace Forum 2018 Seoul International Conference recently. Ko presented at a cyber security panel discussion attended by many dignitaries including the Vice-Chairman of National Assembly of Korea and a former Vice-President of Taiwan. Ko and Choi also had a meeting with a former dean of Korea University Division of Information Security to discuss a collaboration with CROW and then headed to Best of the Best, a South Korean school for hackers, to discuss this prospective relationship.

Nanyang Polytechnic interns



Singapore's Nanyang Polytechnic interns have been interning at CROW since the beginning of last year. They get real-life experience working on CROW projects [Progger](#) and the [Cyber Security Challenge](#). Student feedback is positive with many saying they enjoy the collegial atmosphere at the CROW lab and love experiencing the Kiwi lifestyle and education system. The CROW team look forward to welcoming 12 more interns in 2019.

NEWS



LogRhythm announces eight cybersecurity predictions for 2019
[READ MORE](#) at IT Brief.



Huawei NZ deputy managing director Andrew Bowater (picture above) says a New Zealand cybersecurity evaluation centre would be a "significant" investment for the company.
[READ MORE](#) at STUFF



Study finds 3 out of 5 retailers blame cyber security fears for delay in digital transformation initiatives.
[READ MORE](#) at ChannelLife



CERT NZ issues critical security controls for 2019 [READ MORE](#) at IT Brief.

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