



Japan - New Zealand Summit on Smart Technologies

Unitec's Smart Technology Summit

October 8, 2018

Generator@GridAKL at 12 Madden Street, Auckland

Sponsored by



We are excited to announce Unitec's first Summit on Smart Technologies, this year in collaboration with our partners from Japan: On October 8, Unitec hosts the Japan-New Zealand Summit on Smart Technologies at the [Generator@GridAKL at 12 Madden Street](#) in Auckland's CBD.

This event is part of [CERT NZ's Cyber Smart Week 2018](#).

Join us to hear about recent opportunities and challenges for smart societies, enabling technologies, and discuss and network with decision makers, developers, and researchers from industry, government, public organisations, and academia - see the program below.

The summit is held in conjunction with the [11th International Conference on Mobile Computing and Ubiquitous Networking \(ICMU\)](#), which for the first time comes to New Zealand.

To register, [please click here](#).

PROGRAM

8:00 Registration

8:30 Session 1: Technology

- **Dr. Tatsuhiko Itohara, Mitsubishi Electric Corporation, Development of IoT Platform that Enables Smart Appliances to Cooperate**

IoT technology enables many devices including smart appliances to cooperate with each other, however, the increasing number of connected devices cause users to take a lot of trouble before they enjoy home services of smart appliances. Mitsubishi Electric Corporation has developed an autonomous platform that enables networked smart appliances to use their sensors and functionalities to cooperate in new home services without the need for cloud computing or internet connection. By integrating the aggregation of diverse functionalities not possible with individual appliances, the platform is expected to facilitate a wide variety of cooperative smart appliances and related services for increasing comfortable and convenient homes.



- **Prof. Yuji Sekiya, Tokyo University: The Possibility of Improving Incident Response by Applying Machine Learning**

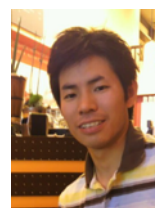
In recent years, threats against cybersecurity have frequently happened, and any organization is recommended to establish an emergency response team, called CSIRT. However, it is generally difficult to take appropriate measures against the security threats. This is because responding to security incidents often relies on the skills of security experts, and in many organizations, it



is difficult to accommodate such security experts. Therefore, this research aims to build a system for assisting the incident response using machine learning and raise the level of security countermeasures.

- **Dr. Yusuke Fukazawa, NTT DOCOMO. Inc.: Challenges toward data driven innovation at mobile telecom company**

Recent advances of AI, machine learning, and deep learning made us promote data driven innovation for our customers. In this talk I introduce two topics: a taxi demand forecast service using real time population statistics collected and aggregated through mobile network service, and research on finding stress levels by analyzing how users use mobile terminals.



Coffee break

10:30 Session 2: Society and Policies

- **Prof. Keiichi Yasumoto, Nara Institute of Science and Technology: Smart home and smart health care: past efforts and future challenges**

Smart home and smart healthcare technologies with variety of sensors and IoT devices make the life of people more convenient, efficient and healthy through activity recognition, health monitoring, activity recommendation and so on. In this talk, I will briefly present our past efforts for daily living activity recognition in smart home and QoL (quality of life) estimation with smart devices. Then, I will show future challenges to make our life smarter and healthier.



- **Andrew Dentice, Hudson Gavin Martin: Law and Data in a Connected World**

In this presentation, I will explore legal challenges with the Internet of Things, digital platforms, and data-driven transactions. Especially interesting is the question of who actually “owns” data, and who is liable when things go wrong in a complex digital ecosystem?



- **Avani Vyas, Delta Insurance: Insurance solutions for IP and other intangible exposures**

In my presentation I will discuss how to recognize intangible assets as a source of competitive advantage, and discuss some common misconceptions about IP rights. I will then present the response of insurers in addressing the risks associated with IP, and introduce Delta’s IP Legal Expenses Policy, discussing coverage, appetite and exclusions, and claims response.



- **Jeremy Jones, Theta: Cyber Warfare and the Lessons for New Zealand**

The threat is real and cyberspace is the battlefield where states and criminals conduct their operations, either to achieve their national security objectives or monetise our information. The tradecraft, innovation and ruthlessness of cyber adversaries will outpace our ability to defend ourselves if we continue to use legacy approaches. Automation and AI will make cyber attacks more devastating but can also be used to detect and defend against even advanced adversaries. Taking a proactive approach can enable network defenders to get inside the decision cycle of attackers. This can mitigate the effects of successful attacks but also detect and prevent attacks before they occur.



Lunch

13:30 Session 3: Society and Infrastructure

- **Dr. Ayumu Kubota, KDDI R&D Laboratories Inc., Cyber security threats and concerns in IoT/5G era. (skype)**

The Mirai attack in 2016 changed threat landscape in cyber world and now the threats posed by insecure IoT devices are serious concerns. In this talk, IoT/mobile threat landscape and new directions for network security are examined with Japanese telecom operator's perspective.



- **Christian W Probst, Unitec Institute of Technology: Smart technologies as society's critical infrastructure**

In this presentation I will discuss levels of criticality of our infrastructure, and how our smart society depends on these. The level of criticality should be assessed based on the service, the infrastructure is providing. This is the central information for deciding how infrastructure should be protected, and what to connect to it.



- **Prof. Takuya Yoshihiro, Wakayama University, A Crisis Management Contest on Cyber Security for Fostering Security Experts in Japan**

This talk presents a unique cyber security contest held in Japan, which aims at training high-level security experts. Different from Capture the Flag contests, contestants in this contest not only compete with technical skills but also social skills that manage to minimize the loss and the impact against the cyber security incidents that occur on their sites. For its uniqueness and practical efficacy, this activity is extended to a training seminar involved in a national project.



- **Kriv Naicker, IOT Alliance: IoT and impact on Smart Societies**

The New Zealand IoT Alliance sees a thriving future for New Zealand by connecting data, devices and people to seize opportunities for economic growth. The New Zealand IoT Alliance was established to empower industry to grow our nation's competitive advantage through the Internet of Things (IoT).



Coffee break

16:00 Panel Discussion

17:00 Networking Reception