

# 学术报告会

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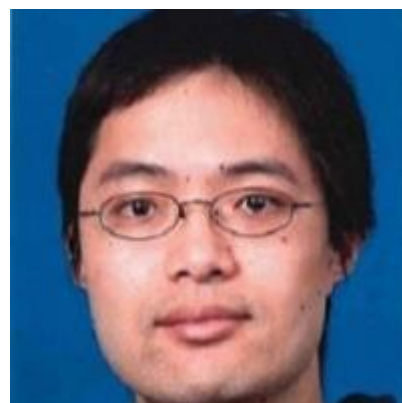
地点: 电院群楼2-406会议室

**Pave the road towards building the future**

**Internet of Things**

**Dr. Kevin Wang**

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## **Abstract:**

The Internet of Things envisages forming large scale distributed systems that are seamlessly connected and are composed of ubiquitous embedded devices. However, many challenges such as connectivity, scalability, computation and power efficiency remain as obstacles of realising the vision of IoT. In this talk, we will present some of the IoT research works carried out by the Embedded Systems Research Group, the University of Auckland, including the design of miniaturised, power efficient IoT devices, IPv6-based lightweight protocol, IoT router for heterogeneous devices, and various IoT-based applications.

## **Biography:**

**Kevin Wang** received the Bachelor of Engineering (Hons.) degree in Computer Systems Engineering and PhD degree in Electrical and Electronics Engineering from the Department of Electrical and Computer Engineering, the University of Auckland, New Zealand, in 2004 and 2009 respectively. Kevin is currently one of the main researchers in the Embedded Systems and Industrial Informatics Research Group. His current research interests include wireless sensor network based intelligent environment, pervasive healthcare systems, industrial monitoring and automation systems and bio-cybernetic systems. He also serves as the associate editor of the journal of IET Wireless Sensor Systems and the reviewer of numerous IEEE Transactions.