THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering
Seminar

Verifiable Computing & Blockchain:
Unleashing the Potentials of Blockchain
by
Dr. Sid C-K Chau
CSIRO, Australia

Date : **13 July 2023 (Thursday, HK Time)**
Time : **9:30am – 10:30am (HK Time)**
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Abstract

Blockchain technology has drawn criticism for its practical values in real-world applications. Some think it is a recycled idea from distributed databases and distributed systems, while others attributed it to a mega-Ponzi scheme through crypto-currencies. Blockchain is one of the most misunderstood technologies, because of a plenty of exaggerating hypes and marketing misinformation. In this talk, I will shed light on some genuine values of applying blockchain to enable a new paradigm of verifiable computing, with novel applications ranging from AI regtech to privacy-preserving trading. In particular, I will draw on our practical experiences of developing privacy-preserving blockchain-enabled applications based on succinct zero-knowledge proofs.

Biography

Sid Chau is a principal research scientist with Data61, CSIRO (Australia's National Research Agency for Science and Technology). He has been a faculty member with the Australian National University. He leads research projects in cybersecurity for energy systems, verifiable computing, blockchain and IoT. Previously, he was a visiting professor at MIT, an associate professor at Masdar Institute of Khalifa University, and a senior research fellow at A*STAR in Singapore.

** ALL ARE WELCOME **

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