THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering
Seminar

New Frontiers of Distributed Key Generation and Applications

By

Dr. Qiang Tang
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Date : **3 April 2024 (Wednesday)**
Time : **2:30pm – 3:30pm**
Venue : **Rm 801, Ho Sin Hang Engineering Building, CUHK**

Abstract

Distributed key generation protocols is fundamental for blockchain consensus, threshold crypto, and many other distributed applications. There have been long line of research on this topic, unfortunately all of them suffer from a large complexity thus not feasible when scale goes up. We will discuss our recent works on exploring how to leverage blockchain to make DKG more suitable for blockchain and more.

Biography

Dr. Qiang Tang is currently a Senior Lecturer (~ U.S Associate Professor) at the University of Sydney. From 2016—2020, he was an assistant professor at New Jersey Institute of Technology and Director of JD-NJIT-ISCAS Joint Blockchain Lab. Before joining NJIT, he was a postdoc at Cornell. His research spans broadly in cryptography and blockchain, and his results appear mostly in top crypto/security/distributed computing venues.

Qiang won a few prestigious awards including Sydney Research Accelerator Prize, MIT TR 35 Under 35, Google Faculty Award, NJIT YWCC Research Execellence Award, Asiacrypt16 Conference paper award and more. His research is supported by multiple leading blockchain foundation including Ethereum, Stellar, Protocol Labs, Algorand, and others. He is the Program Co-Chair of Annual International Public Key Crypto Conference (PKC 2024).

** ALL ARE WELCOME **

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