

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## COLLOQUIUM

# An Introduction to Blockchain and Some Related Research Topics in Cryptography

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### **Abstract**

A blockchain is a continuously growing list of records, called blocks, which are linked and secured using cryptography. Because of its anonymity, decentralization and immutability, blockchain is thought to have a wide applications in business. In this talk, I will introduce some basic ideas on blockchain, also some related research topics in cryptography, such Zero-Knowledge Proof, Secure Multiparty Computation, Attribute Based Encryption, and so on.

**Date:** February 20, 2018 (Tuesday)

**Time:** 4:00 - 5:00pm

**Venue:** Room 210, Run Run Shaw Bldg., HKU

*All are welcome*