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Hong Kong Probability Seminar

<https://sites.google.com/site/hkprobability/>

Program

- **2:00-3:30pm: Guangyue Han (HKU)**

An introduction to information theory

Abstract: In this talk, I will give a brief introduction to information theory and talk about some open problems and certain research directions.

- **3:30-4:00pm: Coffee break**

- **4:00-5:30pm: Xinghua Zheng (HKUST)**

Spatial SIR epidemic processes and their asymptotics

Abstract: We focus on a special interacting particle system known as SIR epidemic model. We will discuss its connection with branching random walk (and percolation), its measure-valued limiting process at or near criticality, and the associated phase transition phenomena. The talk is based on joint works with Steve Lalley, Ed Perkins and Eyal Neuman.

Date: December 15, 2017 (Friday)

Time: 2:00 - 5:30pm

Venue: Lecture Theatre K (LTK), Academic Building, HKUST

All are welcome