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*