

Joint Seminar

Joint Statistics Seminar

co-organized with

Center for Statistical Science

The Hong Kong University of Science and Technology

Probabilistic Symmetries in Random Structures

by

**Professor Harry Crane
Rutgers University
Department of Statistics**

Date: February 26, 2016 (Friday)

Time: 11:00 a.m. – 12:00 noon

Venue: Room 4047 (LSK Business Building)

Abstract

I cover some old and new topics in exchangeability theory, focusing on 3 specific contexts:

1. Relative exchangeability, by which the distribution of a random structure is invariant with respect to the symmetries of some other structure.
2. Structure theorems for exchangeable combinatorial Markov processes.
3. Edge exchangeable random graphs, a new perspective on network modeling that admits an exchangeable construction of random graphs with power law degree distributions.

All interested are welcome!

For details, please contact ISOM Department.
