PROBABILITY SEMINAR SERIES

TOPIC: Simple Random Walk Loop Percolation

SPEAKER: Yinshan Chang, Sichuan University

TIME: 2:00pm-3:00pm, Tuesday, November 21, 2017

VENUE: Room 264, Geography Building, Zhongbei Campus
       (华东师范大学中山北路校区，地理楼264室)

ABSTRACT OF THE TALK

In this talk, we consider the random set covered by SRW loop soup of certain intensity. Depending on the value of the intensity, the model exhibits different behaviors. The subcritical phase is different from classical Bernoulli percolation due to the presence of long range correlations in the model. However, the supercritical case is quite similar to that of a Bernoulli percolation.

BIOGRAPHY

Yinshan Chang obtained his Ph.D. at the University of Paris 11. After that, he worked as a post-doc in Max-Planck Institute in Leipzig in Germany. Currently, he work in Sichuan University in Chengdu as a research assistant. His main research interests focus on Markovian loop soups, random walks and percolation.