Title: Optimization problems in insurance and finance with dependent risks

Date: Friday March 27, 2015

Time: 2:00 p.m.

Place: DUSABLE HALL 212

Coffee: Following the presentation in DU 359

Abstract

In the field of finance and insurance, many activities involve multiple risks. The dependence structures between different risks play an important role in decision-making process. Despite its importance, models with general dependence are challenging to study and most literature focuses only on special dependence structures. In this talk, I will introduce a few new notions of dependence and use them to study optimization problems in insurance and finance, and therefore generalize existing studies. These new notions also promise further applications in other fields, like risk management, operations research and reliability theory.

This talk is based on joint works with Jun Cai.