



Public Lecture

Flood Risk Modelling: Methodology and Challenges



by **Professor Dr. Hansjörg Albrecher**

Department of Actuarial Science

Faculty HEC

University of Lausanne, Switzerland

Faculty Member of the Swiss Finance Institute

October 29, 2018 (Monday)

6:00 p.m. - 7:00 p.m.

KK102, 1/F, K.K. Leung Building, HKU

Tea Reception at 5:30 p.m.

Abstract

Floods are among the major natural hazards and suitable models for the respective risks are of particular importance for the management of natural disasters. In this talk we discuss various approaches towards modelling flood risk events together with the challenges that arise in practical implementations. Particular emphasis will be given on the choice of the underlying spatial and temporal dependence model, the modelling of extremes as well as on diversification possibilities for this type of risk. We illustrate the analysis with concrete case studies for paleoflood data from lake sediments in the Alps as well as historical data on European floods.

About Professor Dr. Hansjörg Albrecher

Hansjörg Albrecher is Professor of Actuarial Science at the Faculty of Business and Economics, University of Lausanne and a Faculty Member of the Swiss Finance Institute.

After studying Technical Mathematics and Astronomy in Graz, Limerick and Baltimore, he held faculty and visiting positions in Graz, Leuven, Aarhus and the Radon Institute of the Austrian Academy of Sciences in Linz before moving to Lausanne in 2009. He serves in the editorial board of several actuarial journals and has published extensively, including several books in the field.

ENQUIRY: 3917 8312, saas@hku.hk

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All interested are welcome