THE UNIVERSITY OF HONG KONG

Department of Statistics & Actuarial Science

Institute of Mathematical Research
Department of Mathematics

Workshop on Probability with Applications to Finance and Insurance

Announcement

December 15, 2004
T6, Meng Wah Complex

Speakers:

- CAI, Jun (U of Waterloo)
- CHAN, Ngai-Hang (CUHK)
- JING, Bing-Yi (HKUST)
- LAI, T.L. (Stanford U & HKU)
- LIN, Zhengyan (Zhejiang U)
- WU, Lixin (HKUST)
- YAN, Jia-An (CAS)
- YONG, Jiongmin (U of Central Florida)

Sponsor:
Hong Kong Mathematical Society and Institute of Mathematical Research of HKU

Organizing Committee:
T.L. Lai (Stanford and HKU), H.L. Yang (HKU) and S.P. Yung (HKU)

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Workshop Program

9:00 – 9:05	*Opening Remarks* **Ngaiming Mok**, Department of Mathematics, HKU
Chaired by N. Mok	
9:05 – 9:45	**Jia-An Yan**, Academy of Mathematics and Systems Science, CAS *Local Convergence Theorems for Partial Sums of Adapted Sequences*
9:45 – 10:25	**Ngai-Hang Chan,** Department of Statistics, CUHK *Fractional Constant Elasticity of Variance Model*
10:25 – 10:50	*Coffee Break*
Chaired by H.L. Yang	
10:50 – 11:20	**Bing-Yi Jing,** Department of Mathematics, HKUST *Edgeworth Expansions for U-Statistics under Optimal Conditions*
11:20 – 12:00	**Zhengyan Lin,** Department of Mathematics, Zhejiang U. *Strong Laws for Rescaled Range Statistics*
12:00 – 14:00	*Lunch Break*
Chaired by S.P. Yung	
14:00 – 14:40	**Tze Leung Lai**, Department of Statistics, Stanford U. *Importance Sampling and Resampling for Monte Carlo Computation of Exceedance Probabilities: Theory and Applications*
14:40 – 15:20	**Jun Cai,** Department of Statistics and Actuarial Science, U. of Waterloo *VaR and CTE with Multivariate Phase Type Distributions*
15:20 – 15:40	*Coffee Break*
Chaired by T.L. Lai	
15:40 – 16:20	**Jiongmin Yong,** Department of Mathematics, U. of Central Florida *Optimal Trading Strategies with a Rolling Horizon Bond and a Discount Bond*
16:20 – 17:00	**Lixin Wu,** Department of Mathematics, HKUST *Standard Market Model and Its Extensions*