

ADVANCES IN THE INTERPLAY BETWEEN STATISTICS AND FINANCE

In Honour of Professor Kin Lam

30th May, 2015 (Saturday)

**CPD-3.04, 3/F, Run Run Shaw Tower,
Centennial Campus, HKU**

Organizing Committee

Philip Yu (HKU), Mike So (HKUST), Sandy Chau (PolyU)

Sponsors

Department of Statistics and Actuarial Science, The University of Hong Kong
The Professional Risk Managers' International Association (PRMIA)



Program Schedule

08:30 – 08:55 **Registration**

08:55 – 09:10 **Opening**

Section 1: Financial Trading

Chair: Mike K.P. So

09:10 – 09:35 Hilton Chan (CASH Algo Finance Group Limited)
Exploring the Next Wave of Academia-Industry Collaboration in Quant-Finance and Algo-Trading

09:35 – 10:00 Eddie Pong (FTSE)
Risk Parity Investing

10:00 – 10:25 Samuel P.S. Wong (Stanford Quantitative Finance Program, Hong Kong) and
T.L. Lai (Stanford University)
Big Data and Quantitative Finance

10:25 – 10:50 Philip L.H. Yu (The University of Hong Kong)
Co-integrated Market-Neutral Strategy for Basket Trading

10:50 – 11:20 **Tea Break**

Section 2: Financial Time Series

Chair: W.K. Li

11:20 – 11:45 Heung Wong (Hong Kong Polytechnic University)
Detection of Threshold ARMA models

11:45 – 12:10 G.D. Li (The University of Hong Kong)
On Frechet Autoregressive Conditional Duration Models

12:10 – 12:35 Cedric K.F. Yiu (Hong Kong Polytechnic University)
On the Applications of Frequency Domain Approach to Time Series

12:35 – 14:00 **Lunch (by invitation only)**

Program Schedule

Section 3: Risk and Investment

Chair: Sandy S.M. Chau

- 14:00 – 14:25 W.K. Wong (Hong Kong Baptist University)
A New Pseudo-Bayesian Model of Investors' Behavior in Financial Crises
- 14:25 – 14:50 Mary Y.M. Li (Caravel Group Limited)
The Baltic index 101 – Dry Bulk
- 14:50 – 15:15 H.Y. Wong (Chinese University of Hong Kong)
Combined Estimation-Optimization (CEO) Approach for High Dimensional Portfolio Selection
- 15:15 – 15:40 Joseph K.W. Fung (Hong Kong Baptist University)
Does Forecasting Volatility Pays?
- 15:40 – 16:10 **Tea Break**

Section 4: High Frequency Financial Data

Chair: Philip L.H. Yu

- 16:10 – 16:35 Y.K. Tse (Singapore Management University)
Business Time Sampling Scheme and Its Applications
- 16:35 – 17:00 Mike K.P. So (The Hong Kong University of Science and Technology)
Statistical Properties of High-Frequency Financial Data
- 17:00 – 17:25 W.K. Li (The University of Hong Kong)
Forecasting High-Dimensional Realized Volatility Matrices
- 17:25 – 18:00 Kin Lam (The University of Hong Kong)
From Quality Control to High Frequency Trading - the Filter Trading Rule and I
- 19:00 **Conference dinner (by invitation only)**
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