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)