CRETA Workshop on Advanced Econometrics

Date:	May 14, 2010 (Fri.), 9:30am-5:30pm; May 15, 2010 (Sat.), 9:30-12:30pm
Venue:	Kuan Te Lecture Hall, 2F, College of Management, NTU (臺大管理學院一號館二樓冠德講堂)
Topic:	**Modern Techniques in Financial Econometrics**
Speaker:	**Professor Wolfgang Härdle, Humboldt-Universität zu Berlin** Ladislaus von Bortkiewicz Chair of Statistics C.A.S.E. Centre for Applied Statistics and Economics School of Business and Economics
Host:	Center for Research in Econometric Theory and Applications (CRETA), NTU Taiwan Econometric Society
Co-host:	Department of Finance, NTU
Registration:	Students and Faculty of NTU: No Charge Members of Taiwan Econometric Society: No Charge All Other Participants: NT$600 (for 2 days' session) Register your attendance online through the link below by 5pm, May. 12 (Wed). 臺灣大學學生及教職員和臺灣經濟計量學會會員爲免費參加 其他參加者報名費爲 NT$600 (含兩天的場次) 請於 5 月 12 日(三)，下午五點鐘前至以下連結進行線上報名 Register CRETA Workshop on Advanced Econometrics
Contact:	Ms. Yichin Lee Telephone: (02) 3366.1072 E-mail: ntucreta@ntu.edu.tw

About the Speaker:

Professor Härdle has worked with the finance industry for nearly 15 years as a consultant, specializing in computer packages and advanced numerical methods. Professor Härdle currently is director of the Center for Applied Statistics and Economics and professor of statistics at the Department of Economics and Business Administration at the Humboldt-University Berlin. Professor Härdle is the author of several well-noted books on statistical methods in finance and insurance, such as "*Applied Quantitative Finance*", "*Statistics of Financial Markets: an Introduction*", and "*Applied Multivariate Statistical Analysis*" and his papers have been published in numerous prestigious journals, such as *Journal of the American Statistical Association* , *Journal of Econometrics*, *Journal of Financial Econometrics*, *Journal of Empirical Finance*, *Journal of Forecasting*, *Journal of Risk and Insurance* and *Quantitative Finance*.

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Lecture Overview:

1. Foundations of modern nonparametric statistics: likelihood theory in a nutshell, local parametric modelling, Small Modelling Bias, Approximation theorems, overview over applications
2. Adaptive techniques: Local Change Point Analysis (LCP), Local Model selection (LMS), time varying GARCH modelling
3. Applications in risk management: GHICA – Generalized Hyperbolic distributions and Independent Component Analysis
4. Time varying dependency: ADACOP – Adaptive copulae in finance
5. Local Quantile Regression
6. Normalizing Temperature Risk for weather derivatives

Program:

- **May 13 (Fri.) Kuan Te Lecture Hall**

  9:00-9:30: Registration

  9:30-12:15: Lecture 1 (75mins/session; 15 mins break in between)

  14:00-17:30: Lecture 2 (60mins/session; 15 mins break in between)
- **May 14 (Sat.) Kuan Te Lecture Hall**

  9:00-9:30: Registration

  9:30-12:15: Lecture 3 (75mins/session; 15 mins break in between)

  *All Lectures will be in English