Yingying Li

EDUCATION

University of Chicago Department of Statistics, Ph.D., 2008
Beijing Normal University Department of Mathematics, B.S., 2003

ACADEMIC EXPERIENCE

Assistant Professor, Department of Information Systems, Business Statistics and Operations Management (ISOM), Hong Kong University of Science and Technology (HKUST), 2009 – ;
Postdoctoral Research Fellow and Lecturer, Bendheim Center for Finance (BCF), and the Department of Operations Research and Financial Engineering (ORFE), Princeton University, 2008 – 2009

RESEARCH EXPERIENCE

Publications

- Jianqing Fan, Yingying Li and Ke Yu, "Vast Volatility Matrix Estimation using High Frequency Data for Portfolio Selection", *to appear in Journal of American Statistical Association*
- Xinghua Zheng and Yingying Li, "On the Estimation of Integrated Covariance Matrices of High Dimensional Diffusion Processes", *Annals of Statistics*, 39 (2011), 3121 - 3151.
- Jean Jacod, Yingying Li, Per A. Mykland, Mark Podolskij and Mathias Vetter, "Microstructure Noise in the Continuous Case: The Pre-Averaging Approach", *Stochastic Processes and their Applications*, 119(7), 2009, 2249-2276
- Yingying Li and Per A. Mykland, "Are Volatility Estimators Robust with Respect to Modeling Assumptions?" *Bernoulli*, 13(3), 2007, 601-622
- Yingying Li, "On Euler's Constant-Calculating Sums by Integrals", *Amer. Math. Monthly*, 109, 2002, 845-850

Working Papers

- Yacine Ait-Sahalia, Jianqing Fan and Yingying Li, "The Leverage Effect Puzzle: Disentangling Sources of Bias at High Frequency" (2011), in revision
- Yingying Li, Per Mykland, Eric Renault, Lan Zhang and Xinghua Zheng, "Realized Volatility When Times are Highly Random" (2010), in revision
- Yingying Li and Per A. Mykland, "Rounding Errors and Volatility Estimation" (2009), in revision

TEACHING EXPERIENCE

- Instructor: *Statistics for Financial Risk Management*, ISOM 4520, HKUST, undergraduate course, Spring 2012,
- Instructor: *Business Statistics*, ISOM 2500, HKUST, undergraduate core course, Fall 2011
- Instructor: *Statistics for Financial Risk Management*, ISOM 352, HKUST, undergraduate course, Spring 2010, Spring 2011.
- Instructor: *Business Statistics*, ISOM 111, HKUST, undergraduate core course, Fall 2009, Fall 2010
- Instructor: *Modern Regression and Time Series*, FIN/ORF 505, Princeton University, core course of the *masters in finance* program, Fall 2008
- Instructor: *Elementary Statistics*, STAT 200, University of Chicago, undergraduate course, Winter 2007
- Course Assistant: *Stochastic Calculus/Finance-I* , *Stochastic Calculus/Finance-II*, *Introduction to Stochastic Processes I*, *Elementary Statistics* (2004-2007)

HONORS AND AWARDS

Invited conference presentations

- IMS-China International Conference on Statistics and Probability, Xi'An, China (2011);
- Research Symposium on Frontiers of Statistics, Hefei (2011);
- Quantitative Finance Day, Hong Kong (2011);
- 2010 Joint Statistical Meetings, Vancouver (2010);

• International Symposium on Financial Engineering and Risk Management (FERM), Taipei (2010);

• Workshop on Financial Econometrics at the Fields Institute, Toronto (2010);

• International Conference on Statistics and Society, Beijing (2010);

• International Conference on Statistical Analysis of Complex Data. Kunming (2010);

• IMS-China International Conference on Statistics and Probability, Weihai (2009);

• Stevanovich Center - CREATES conference, *Financial Econometrics and Statistics: Current Themes and New Directions*, Skagen, Denmark (2009);

• The Tenth Annual Financial Econometrics Conference, the Institute for Quantitative Finance & Insurance, University of Waterloo (2008);

• Conference on Volatility and High Frequency Data, Chicago (2007);

• The International Workshop on Applied Probability (IWAP), Storrs (2006)

Invited seminar presentations

• Chinese University of Hong Kong (2011, upcoming) • The Hong Kong Polytechnic University (2011) • AMSS, Chinese Academy of Science (2010) • University of Illinois at Chicago (2010) • Kyoto University (2010) • University of Illinois at Chicago (2009) • Peking University (2009) • Hong Kong University of Science and Technology (2009) • Princeton University (2008) • Carnegie Mellon University (2008) • Florida State University (2008) • Johns Hopkins University (2008) • Princeton University (2007)

Awards

• RGC General Research Fund (GRF), Co-Investigator, (2011-2014)

• RGC General Research Fund (GRF), Principal Investigator, (2010-2013)

• Special Research Fund Initiative (SRFI), Co-Investigator, (2011-2013)

• School-Based Initiatives (SBI) Funds from HKUST Business School, Principal Investigator, (2010-2012)

• Direct Allocation Grants from HKUST, Principal Investigator, (2010-2012) and (2011-2012)

• Research Support Fund and Staff Development Grant from the ISOM Dept., HKUST (2009 –)

• Research support fund from the Bendheim Center for Finance, Princeton University (2008-2009)

• Full tuition merit scholarship and Paul Meier Fellowship from the Department of Statistics at the University of Chicago (2003 - 2008)

• Laha Award from the Institute of Mathematical Statistics (IMS) (2007)

• Travel awards for participating in various conferences (2005 - 2009)

• National First Prize in the China Undergraduate Mathematical Contest in Modeling (2002)

• National First Prize in the China Undergraduate Mathematical Contest in Modeling (2001)

• Various scholarships and awards from Beijing Normal University (BNU), including –
- "Top Ten Student of Beijing Normal University" - the highest honor for a BNU student (2002)
- Baogang Scholarship (8 out of all BNU undergraduate students of the year) (2002)
- "Outstanding Graduate" (2003)
- Outstanding Undergraduate Thesis (2003)
- First prize in Jingshi Cup Academic Paper Contest (2002)

ACADEMIC SERVICES

Reviewer For Academic Journals

• Annals of Statistics • Bernoulli • Econometrica• Econometrics Journal • Finance & Stochastics • Journal of Applied Econometrics • Journal of Business and Economic Statistics• Journal of Econometrics • Journal of Financial Econometrics • Quantitative Finance • Statistics and Its Interface • Applied Stochastic Models in Business and Industry • Journal of Statistical Inference for Stochastic Processes

Conference Session Organizer

• 2010 Joint Statistical Meetings, *invited session* “Frontiers of Financial Statistics”.

• 2011 IMS-China International Conference on Statistics and Probability, *invited session* “Financial Statistics”.

Reviewer for Professional Database

• Mathematical Reviews (MR/MathSciNet)

Reviewer For Grant Applications

• Risk Management Institute at the National University of Singapore.

Service for Professional Organization

• Executive Committee, Hong Kong Statistical Society (HKSS); 2011 -

Student/Postdoctoral Fellow Supervision

• PG committee (Statistics), Dept of ISOM, HKUST; 2010 -

• Master thesis advisor, Yichu Li, Dept of Mathematics, HKUST, 2010 - 2011

• Ph.D. thesis committee, Zhiyuan Zhang, Dept of ISOM, HKUST; 2010

• Ph.D. thesis committee, Xianghui Ning, Dept of IELM, HKUST; 2010

• Postdoctoral Fellow Supervisor, Zhiyuan Zhang, Dept of ISOM, HKUST, 2010 –

Professional Memberships

• Founding Member, The Society for Financial Econometrics (SoFiE), 2011 –

• Member: Hong Kong Statistical Society (HKSS), 2011 –

• Member: Institute of Mathematical Statistics (IMS), 2004 –