December 2011

Jun YU

Professor of Economics and Finance
School of Economics and Lee Kong Chian School of Business
Director, Sim Kee Boon Institute for Financial Economics
Co-Director, Centre for Financial Econometrics
Singapore Management University

Degrees

- Ph.D. (Economics), University of Western Ontario, 1998
- M.A. (Economics), University of Western Ontario, 1994
- B.Sc. (Mathematics), Wuhan University, 1990
- B.A. (Economics), Wuhan University, 1990

Past Regular Positions Held

- Professor of Economics, School of Economics, Singapore Management University, 2009-2011
- Deputy Director (Academic), Sim Kee Boon Institute for Financial Economics, 2008-2010
- Deputy Director, Centre for Financial Econometrics, Sim Kee Boon Institute for Financial Economics, 2008-2009
- Associate Professor of Economics, Singapore Management University, 2004-2008
- Senior Lecturer over the bar, Department of Economics, University of Auckland (tenured), 2002-2003
- Lecturer, Department of Economics, University of Auckland, 1998-2001

Visiting Positions Held

- Affiliated Researcher, Risk Management Institute, National University of Singapore, Singapore, 2008-2011
- Research Fellow, Hong Kong Institute for Monetary Research, Dec 2010
- Visiting Scholar, Department of Finance, National Taiwan University, 2009
- Visiting Scholar, CREST, France, 2005
- Visiting Scholar, Hiroshima University, Japan, 2004
- Visiting Scholar, Cowles Foundation, Yale University, U.S.A., 2002
- Visiting Fellow, School of Finance and Economics, University of Technology, Sydney, Australia, 2002
- Visiting Fellow, Department of Economics, National University of Singapore, Singapore, 2001-2002

Awards

- Fellow, *Journal of Econometrics*, 2011
- Lee Kuan Yew Fellow for Research Excellence, Singapore Management University, 2010
- Lee Kuan Yew Fellow for Research Excellence, Singapore Management University, 2005
- Research Excellence Award at the University of Auckland, 2002

- Marsden Award of the Royal Society of New Zealand, 2001
- The A R Bergstrom Prize in Econometrics, 1999
- T.M. Browns Ph.D. Thesis Prize at the University of Western Ontario, 1998
- Doctoral Fellowship of Social Sciences and Humanities Research Council of Canada (SSHRC), 1997
- Doctoral Scholarship of Natural Sciences and Engineering Research Council of Canada (NSERC), 1997
- Ontario Graduate Scholarship, 1997
- Sir Arthur Currie Memorial Scholarship at the University of Western Ontario, 1995
- Special University Scholarship at the University of Western Ontario, 1993-1998
- Graduate Tuition Scholarship at the University of Western Ontario, 1994-1998
- Undergraduate Fellowship, Wuhan University, 1990

Research Interests

Financial Econometrics, Asset Pricing, Econometric Theory

Publications in Refereed Journals

1. YU, J., 'A Semiparametric Stochastic Volatility Model', ***Journal of Econometrics***, forthcoming.

2. YU, J., 'Bias in the Estimation of the Mean Reversion Parameter in Continuous Time Models', ***Journal of Econometrics,*** forthcoming.

3. YU, J., 'Econometric Analysis of Continuous Time Models: A Survey of Peter Phillips' Work and Some New Results', ***Econometric Theory***, forthcoming.

4. LI, Y., YU, J., 'Bayesian Hypothesis Testing in Latent Variable Models', ***Journal of Econometrics***, 2012, 166, 237-246.

5. PHILLIPS, P.C.B., YU, J., 'Dating the Timeline of Financial Bubbles during the Subprime Crisis', ***Quantitative Economics***, 2011, 2, 455-491.

6. WANG, X., PHILLIPS, P.C.B., YU, J., 'Bias in Estimating Multivariate and Univariate Diffusions', ***Journal of Econometrics***, 2011, 161, 228-245.

7. PHILLIPS, P.C.B., YU, J., 'Corrigendum to "A Gaussian Approach for Continuous Time Models of the Short Term Interest Rate"', ***Econometrics Journal***, 2011, 14, 216-219.

8. PHILLIPS, P.C.B., WU, Y., YU, J., 'Explosive Behavior and the Nasdaq Bubble in the 1990s: When Does Irrational Exuberance Have Escalated Asset Values?' ***International Economic Review***, 2011, 52, 201-226.

9. HUANG, S., YU, J., 'Bayesian Analysis of Structural Credit Risk Models with Microstructure Noises', ***Journal of Economic Dynamics and Control***, 2010, 34, 2259-2272.

10. KLEPPE, T.S., YU, J., SKAUG, H., 'Simulated Maximum Likelihood Estimation of Continuous Time Stochastic Volatility Models', ***Advances in Econometrics***, 2010, 26, 137-161.

11. GOURIEROUX, C., PHILLIPS, P.C.B., YU, J., ‘Indirect Inference for Dynamic Panel Models’, ***Journal of Econometrics***, 2010, 157, 68-77.

12. PHILLIPS, P.C.B., YU, J., ‘Simulation-based Estimation of Contingent-claims Prices’, ***Review of Financial Studies***, 2009, 22, 3669-3705.

13. PHILLIPS, P.C.B., YU, J., ‘A Two-Stage Realized Volatility Approach to Estimation of Diffusion Processes with Discrete Data’, ***Journal of Econometrics***, 2009, 150, 139-150.

14. HUANG, S., YU, J., ‘An Efficient Method for Maximum Likelihood Estimation of a Stochastic Volatility Model’, ***Statistics and Its Interface***, 2008, 1, 289-296.

15. HUANG, S., YU, J., ‘On Stiffness in Affine Asset Pricing Models’, ***Journal of Computational Finance***, 2007, 10, 99-123.

16. JIN, X., WANG, L., YU, J., ‘Temporal Aggregation and Risk-Return Relation’, ***Finance Research Letters***, 2007, 4, 104-115.

17. HUANG, S., LIU, Q., YU, J., ‘Realized Stock Index Volatility with Microstructure Noises’, ***Annals of Economics and Finance***, 2007, 8, 33-56.

18. ASAI, M., McALEER, M., YU, J., ‘Multivariate Stochastic Volatility: A Review’, ***Econometric Reviews***, 2006, 25, 145-175.

19. YU, J., YANG, Z., ZHANG, X.B., ‘A Class of Nonlinear Stochastic Volatility Models and Its Implications on Pricing Currency Options’, ***Computational Statistics and Data Analysis***, 2006, 51, 2218-2231.

20. PHILLIPS, P.C.B., YU, J., ‘Realized Variance and Microstructure Noise -- Comment’, ***Journal of Business and Economic Statistics***, 2006, 24, 202-208.

21. YU, J., MEYER, R., ‘Multivariate Stochastic Volatility Models: Bayesian Estimation and Model Comparison’, ***Econometric Reviews***, 2006, 25, 361-384.

22. PHILLIPS, P.C.B., YU, J., ‘Comments: A Selective Overview of Nonparametric Methods in Financial Econometrics’, ***Statistical Science***, 2005, 20, 338-357.

23. YU, J., ‘On Leverage in a Stochastic Volatility Model’, ***Journal of Econometrics***, 2005, 127, 165-178.

24. PHILLIPS, P.C.B., YU, J., ‘Jackknifing Bond Option Prices’, ***Review of Financial Studies***, 2005, 18, 707-742.

25. BERG, A., MEYER, R., YU. J., ‘Deviance Information Criterion for Comparing Stochastic Volatility Models’, ***Journal of Business and Economic Statistics***, 2004, 22, 107-120.

26. YU, J., ‘Empirical Characteristic Function Estimation and Its Applications’, ***Econometric Reviews***, 2004, 23, 93-123.

27. TSE, Y.K., ZHANG, X.B., YU, J., ‘Estimation of Hyperbolic Diffusion using MCMC Method’, ***Quantitative Finance***, 2004, 4, 158-169.

28. KNIGHT, J., YU, J., ‘Empirical Characteristic Function in Time Series Estimation’, ***Econometric Theory***, 2002, 18, 691-721.

29. KNIGHT, J., SATCHELL, S., YU, J., 'Estimation of the Stochastic Volatility Model by the Empirical Characteristic Function Method', ***Australian and New Zealand Journal of Statistics***, 2002, 44, 319-335.

30. YU, J., 'Forecasting Volatility in the New Zealand Stock Market', ***Applied Financial Economics***, 2002, 12, 193-202.

31. YU, J., PHILLIPS, P.C.B., 'A Gaussian Approach for Continuous Time Models of Short Term Interest Rates', ***Econometrics Journal***, 2001, 4, 211-225.

32. SHAO, Q.M., YU, H., YU, J., 'Do Stock Returns Follow a Finite Variance Distribution?' ***Annals of Economics and Finance***, 2001, 2, 467-486.

33. MEYER, R., YU, J., 'BUGS for a Bayesian Analysis of Stochastic Volatility Models', ***Econometrics Journal***, 2000, 3, 198-215.

34. GUTHRIE, G., WRIGHT, J., YU, J., 'Testing the Expectations Theory of the Term Structure for New Zealand', ***New Zealand Economic Papers***, 1999, 33, 93-114.

Publications in Edited Books or Refereed Conference Proceedings

35. YU, J., 'Simulation-based Estimation Methods for Financial Time Series Models', ***Handbook of Computational Finance***, eds Jin-Chuan Duan, Wolfgang Härdle, and James E. Gentle, Springer, 2012, Chapter 15, Page 427-465.

36. PHILLIPS, P.C.B., YU, J., 'Maximum Likelihood and Gaussian Estimation of Continuous Time Models in Finance', in Andersen, T.G., Davis, R.A., Kreib, J.-P., Mikosch, T. (eds) ***Handbook of Financial Time Series***, 2009, 497-530.

37. YU, J., YANG, Z., 'A Class of Nonlinear Stochastic Volatility Models', ***Proceedings of the 5th International Conference on Computational Intelligence in Economics and Finance***, 2006, Atlantis Press. DOI: 10.2991/jcis.2006.87.

38. BLUHM, H., YU. J., 'Forecasting Volatility: Evidence from the German Stock Market arket,' In P. Franses and M. McAleer (eds.), ***Modelling and Forecasting Financial Volatility***, 2001, 173-193.

39. YU, J., 'Test for Finite Variance Stock Return Distributions', in J.L. Knight and S.E. Satchell (eds.) ***Return Distributions in Finance***. Oxford, Butterworth-Heinemann, 2000, 143-164.

Published Interviews and Op-Ed Articles:

40. YU, J., PHILLIPS, P.C.B., '资产泡沫的预警系统', *联合早报*，May 22, 2011

41. PHILLIPS, P.C.B., YU, J., 'A Conversation with Professor Eric Ghysels', ***Econometric Theory***, 2010, forthcoming.

42. PHILLIPS, P.C.B., YU, J., 'Warning Signs of Future Asset Bubbles', ***Straits Times***, April 26, 2011.

43. PHILLIPS, P.C.B., YU, J., GHYSELS, E., 'Using Financial Econometrics to Measure Risk', ***Business Times***, October 27, 2010.

Working Papers

1. PHILLIPS, P.C.B., SHI, S., YU, J., 'Testing Multiple Bubbles'.
2. KLEPPE, T.S., YU, J., SKAUG, H., 'Simulated Maximum Likelihood Estimation for Latent Diffusion Models'.
3. PHILLIPS, P.C.B., YU, J., 'Information Loss in Volatility Measurement with Flat Price Trading'.
4. PREVE, D., ERIKSSON, A, YU, J., 'Forecasting Realized Volatility Using a Nonnegative Semiparametric Time Series Model'.
5. SKAUG, H., YU, J., 'Automatic Likelihood Analysis of Stochastic Volatility Models'.
6. PHILLIPS, P.C.B., YU, J., 'Limit Theory for Dating the Origination and Collapse of Mildly Explosive Periods in Time Series Data'.
7. LI, Y., YU, J., 'A New Bayesian Unit Root Test in Stochastic Volatility Models'.
8. ZHOU, Q., YU, J., 'Asymptotic Distributions of the Least Squares Estimator for Diffusion Processes'.
9. PHILLIPS, P.C.B., SHI, S., YU, J., 'Specification Sensitivity in the Right-tailed Unit Root Testing for Explosive Behaviour'.
10. CHEN, Y., YU, J., 'Optimal Jackknife for Discrete Time and Continuous Time Unit Root Models'.
11. WANG, X., YU, J., 'Double Asymptotics for Explosive Continuous Time Models'.
12. FULOP, A., LI, J., YU, J., 'Bayesian Learning of Impacts of Self-Exciting Jumps in Returns and Volatility'.

Research Grants

2007 'Econometric Analysis of Ultra-high Frequency Data', Ministry of Education, AcRF Tier-2, Singapore, $616,400, principal co-investigator

2007 'Explosive Behavior in the 1990s Nasdaq,' *Singapore Management University*, principal investigator

2006 'Indirect Inference for Dynamic Panel Models,' *Singapore Management University*, principal investigator

2005 'Realized Volatility and Its Application in the Estimation of Continuous Time Models,' *Singapore Management University*, principal investigator

2004 'Towards Understanding Asymmetric Response of Volatilities,' *Singapore Management University*, principal investigator

2004 'On Leverage in a Stochastic Volatility Model,' *Singapore Management University*, principal investigator

2002 'Efficient Estimating and Testing Methods for Time Series Models,' *University of Auckland*, $30,000

2001 ‘Efficient Estimating and Testing Methods for Time Series Models,’ *The Royal Society of New Zealand Marsden Fund,* $100,000, principal investigator

2000 ‘Gaussian Estimation of Interest Rates,’ *Auckland Business School Research Fund,* $2,850, principal investigator

1999 ‘Empirical Characteristic Function in Time Series Estimation and Applications,’ *University of Auckland Research Fund*, $10,300, principal investigator

1999 ‘Interest Rate Dynamics,’ *Auckland Business School Research Fund,* $2,500, principal investigator

1998 ‘Automated Forecasting and Policy Analysis for the New Zealand Economy,’ *Auckland Business School Research Fund,* $6,000, associate investigator

Editorial Services

Guest Editor, *Journal of Econometrics,* Special issue on “*Recent Advances in Nonstationary Macro Time Series and Financial Time Series*”
Guest Editor, *Journal of Econometrics,* Special issue on “*Recent Advances in Panel Data and Nonparametric and Nonlinear Models*”
Guest Editor, *Econometric Theory,* Special issue on “*Econometric Theory and Its Application*”
Associate Editor, *Econometric Theory*, 2006-2010
Associate Editor, *Econometric Reviews*, 2006-2008
Editorial Board, *Empirical Economics*, 2009-2012
Associate Editor, *Asia-Pacific Financial Markets*, 2010-2013

Refereeing

Advances in Econometrics, Annals of Statistics, Applied Financial Economics, Computational Statistics and Data Analysis, Econometrica, Econometric Theory, Econometrics Journal, Econometric Reviews, Economic Letters, Economic Modelling, Finance and Stochastics, International Journal of Forecasting, Journal of the American Statistical Association, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Economic Dynamics and Control, Journal of Economic Surveys, Journal of Econometrics, Journal of Empirical Finance, Journal of Financial and Quantitative Analysis, Journal of Financial Econometrics, Journal of Finance, Journal of Futures Markets, Journal of Money, Credit, and Banking, Journal of Time Series Analysis, Mathematical Reviews, New Zealand Economic Papers, Pacific-Basin Finance Journal, Physica A, Quantitative Finance, Review of Economic Studies, Statistica Sinica, Statistics and Its Interface, Singapore Economic Review, Studies in Nonlinear Dynamics and Econometrics, National Science Foundations, Social Sciences and Humanities Research Council of Canada, Royal Society of New Zealand, Research Grants Council Hong Kong, Taylor and Francis, Risk Management Institute, City University of Hong Kong, External Examiner of Theses at University of Canterbury, University of Western Ontario, and National University of Singapore

Consultancy Experience

- Consultant, ASB Bank, “Panel analysis of bank margins”, 1999

- Short course, Commercial banks, investment banks, and the Reserve Bank of New Zealand, “Volatility Forecasting”, 2000
- Short course, Treasury of New Zealand, “Economic Forecasting”, 2001
- Consultant, Covec, “Tourism forecasting review” 2002
- Short course, East Asia Training and Consultancy Pte, “Macroeconometric and Financial Modeling with GAUSS7.0”, 2005
- Full course, National University of Singapore MFE, “Financial Econometrics”, 2001, 2006
- Short course, Government Investment Corporation, “Econometrics and Financial Econometrics”, 2006
- Consultant, Monetary Authority of Singapore, “State-space modelling with panel data”, 2010
- Technical Advisor, International Monetary Fund (IMF), 2011

Professional Activities

- Founder, Singapore Econometrics Study Group, Singapore
- Council Member, the Society for Financial Econometrics, 2010-present
- Organizer and Program Co-Chair, 2011 SMU-ESSEC Symposium on Empirical Finance and Financial Econometrics, June 2011, Singapore
- Organizer and Program Co-Chair, 2011 Annual SKBI Conference on Financial Economics, May 2011, Singapore
- Organizer and Program Co-Chair, 2010 International Symposium on Econometric Theory and Applications, April 2010, Singapore
- Organizer, Mini-conference on Financial Econometrics, June 2010, Singapore
- Organizer, Mini-conference on Econometric Theory and its Applications, March 2010, Singapore
- Organizer and Program Co-Chair, Conference in Honor of Peter C.B. Phillips, 2008, Singapore
- Organizer and Program Chair, Singapore Econometrics Study Group Meeting, 2004, 2005, 2006, 2007, 2009, Singapore
- Organizer and Program Co-chair, New Zealand Econometrics Study Group Meeting, 2001, Auckland
- Organizer and Program Co-chair, New Zealand Econometrics Study Group Meeting, 1999, Auckland
- Member, Program Committee, Symposium on Econometric Theory and Applications, 2012, Shanghai, China
- Member, Program Committee, Annual Conference of the Society for Financial Econometrics, 2012, Oxford, UK
- Member, Advisory Committee, Symposium on Econometric Theory and Applications, 2011, Melbourne
- Member, Program Committee, Symposium on Econometric Theory and Applications, 2011, Melbourne
- Member, Scientific Program Committee, Risk Management Conference, National University of Singapore, 2011, Singapore
- Member, Scientific Program Committee, Risk Management Conference, National University of Singapore, 2010, Singapore
- Member, Program Committee, Second Annual Conference of the Society for Financial Econometrics, 2009, Geneva, Switzerland
- Member, Program Committee, Far Eastern Meeting of Econometric Society, 2008, Singapore

- Member, Scientific Program Committee, Risk Management Conference, National University of Singapore, 2008, Singapore
- Member, Scientific Program Committee, International Symposium on Financial Engineering and Risk Management, 2008, Shanghai
- Member, Program Committee, Symposium on Econometric Theory and Applications, 2008, Seoul
- Member, Program Committee, Symposium on Econometric Theory and Applications, 2007, Hong Kong
- Member, Program Committee, 2001 Econometric Society Australiasian Meeting, 2001, Auckland
- Member of the Econometric Society
- Member of the American Finance Association
- Member of the Western Finance Association
- Member of the Society of Financial Econometrics

University Administrative Duties

- Director, Sim Kee Boon Institute for Financial Economics, Singapore Management University, 2011-present
- Deputy Director (Academic), Sim Kee Boon Institute for Financial Economics, Singapore Management University, 2008-2010
- Co-Director, Centre for Financial Econometrics, Singapore Management University, 2010-present
- Deputy Director, Centre for Financial Econometrics, Singapore Management University, 2008-2010
- Member/chair, adhoc Reading Committee for Promotion/Reappointment/Tenure, School of Economics, Singapore Management University, 2005-present
- Member, School Research Evaluation Committee, 2011
- Member, Dean's Search Committee, 2010
- Member, adhoc Reading Committee for Reappointment/Promotion, Lee Kong Chian School of Business, Singapore Management University, 2010
- Member, adhoc School Evaluation Committee for Promotion, Lee Kong Chian School of Business, Singapore Management University, 2010
- Member, Recruiting Committee, University of Auckland, 2000, 2001, 2002, 2003,
- Member, Recruiting Committee, University of Auckland, 2006
- Member, Computing Committee, University of Auckland , 2000, 2001
- Member, University of Auckland , EO committee
- Member, IT Steering Committee, Singapore Management University, 2005, 2006

PhD Students and Thesis Supervision

- Andreas Berg, University of Auckland (co-supervisor), 2005
  'Bayesian Analysis of Financial Time Series'

Presentations at Professional Conferences

Invited speaker, the Frontiers in Financial Econometrics Workshop, Queensland University of Technology, "Testing Multiple Bubbles", July 2011

Invited speaker, 2011 Shanghai Econometrics Workshop, "Dating the Timeline of Financial Bubbles during the Subprime Crisis", June 2011

Invited speaker, Interdisciplinary Workshop on Econometric and Statistical Modelling of Multivariate Time Series, Université Catholique de Louvain, “Bias in Estimating Linear Multivariate and Univariate Diffusions”, May 2011

Invited speaker, Workshop on Recent Advances in Bayesian Computation, Institute for Mathematical Sciences, National University of Singapore, “Bayesian Hypothesis Testing in Latent Variable Models”, September 2010

Invited speaker, Symposium for Computational Finance, NUS, Singapore, “Simulation-Based Methods for Financial Time Series Models”, June 2010

Invited speaker, Workshop on Econometric and Financial Studies after Crisis, Academia Sinica, Taiwan, “Dating the Timeline of Financial Bubbles during the Subprime Crisis”, June 2010

Invited speaker, The 2010 Summer Workshop in Econometrics, Tsinghua University, Beijing, “Bias in Estimating Linear Multivariate Diffusions”, May 2010

Invited speaker, The second Singapore Conference on Quantitative Finance at Saw Centre for Quantitative Finance, National University of Singapore, “Dating the Timeline of Financial Bubbles during the Subprime Crisis”, March 2010

Invited speaker, 2009 Summer Workshop in Econometric Analysis of High-Frequency Data: Financial Volatility and the Impact of Economic News, Stanford Institute for Theoretical Economics, Stanford University, “Forecasting Realized Volatility Using a Nonnegative Semiparametric Model”, June 2009

Invited speaker, The 2009 Summer Workshop in Econometrics, Tsinghua University, Beijing, “Econometric identification of financial bubbles and crisis event concatenation”, May 2009

Invited speaker, International Conference on High Frequency Data in Financial Markets, Hitotsubashi University, Tokyo, “Information Loss in Volatility Measurement with Flat Price Trading”, October 2008

Invited speaker, International Symposium on Financial Engineering and Risk Management, Shanghai University of Finance & Economics, “Bayesian Analysis of Structural Credit Risk Models with Microstructure Noises”, June 2008

Invited speaker, New Zealand Econometrics Study Group Meeting, University of Auckland, “Continuous Time Models in Finance”, March 2008

Invited speaker, Conference on Likelihood Methods in Finance, Bendheim Center for Finance, Princeton University, “Maximum Likelihood and Gaussian Estimation of Continuous Time Models in Finance”, October 2007

Invited speaker, The 14th International Conference on Panel Data, Xiamen University, “Indirect Inference for Dynamic Panel Models”, July 2007

Invited speaker, Third International Symposium on Financial Engineering and Risk Management, Beijing University, “Simulation-based Estimation of Contingent-claims Prices”, June 2007

Invited speaker, 2005 International Symposium on Econometrics Development, Beijing University, “On Stiffness in Affine Asset Pricing Models”, April 2005

Invited speaker, Symposium on Financial Econometrics 2004, “Asymmetric Response of Volatility: Evidence from Stochastic Volatility Models and Realized Volatility”, Taiwan, October 2004

Invited speaker, Workshop on Econometric Theory and Applications, “Multivariate Stochastic Volatility Models: Bayesian Estimation and Model Comparison”, Taiwan, October 2004

Invited speaker, Inaugural New Zealand Time Series Workshop, “Jackknifing Bond Option Prices,” Christchurch, December 2003

2011 Asian Econometric Society Meeting, Seoul, “Bayesian Hypothesis Testing in Latent Variable Models”, August 2011.

World Congress of the Econometric Society, Shanghai, “Dating the Timeline of Financial Bubbles during the Subprime Crisis”, August 2010.

Mini-conference on Financial Econometrics, Singapore, “Bias in Estimating Linear Multivariate Diffusions”, June 2010

Sixth International Symposium on Econometric Theory and Applications, “Dating the Timeline of Financial Bubbles during the Subprime Crisis”, April 2010.

Mini-conference on Econometric Theory and Its Applications, Singapore, “Asymptotic Distributions of the Least Squares Estimator for Diffusion Processes,” Singapore, March 2010

Singapore Econometrics Study Group Meeting, Singapore, “Bayesian Analysis of Structural Credit Risk Models with Microstructure Noises”, Singapore, August 2009

Fifth International Symposium on Econometric Theory and Applications, “Explosive Behavior and the Nasdaq Bubble in the 1990s: When Does Irrational Exuberance Have Escalated Asset Values?” Kyoto, August 2009

Society of Financial Econometrics Annual Meeting, “Forecasting Realized Volatility Using a Nonnegative Semiparametric Model”, Geneva, June 2009

Far Eastern Econometric Society Meeting, Singapore, “Forecasting Realized Volatility Using a Nonnegative Semiparametric Time Series Model”, July 2008

Conference in honor of Peter C.B. Phillips, “Bias in the Estimation of Mean Reversion Parameter in a Simple Continuous Time Model”, Singapore, July 2008

2008 China International Conference in Finance, “Simulation-based Estimation of Contingent-claims Prices”, Dalian, July 2008

Second Annual Risk Management Conference, National University of Singapore, “Bayesian Analysis of Structural Credit Risk Models with Microstructure Noises”, June 2008

Fourth Symposium on Econometric Theory and Applications, “A Semiparametric Stochastic Volatility Model”, Seoul, May 2008

Third International Symposium on Econometric Theory and Applications, “Simulation-based Estimation of Contingent-claims Prices”, Hong Kong, April 2007

Singapore Econometrics Study Group Meeting, Singapore, “Simulation-based Estimation of Contingent-claims Prices”, Singapore, July 2007

Fifth International Conference on Computational Intelligence in Economics and Finance, “A Class of Nonlinear Stochastic Volatility Models,” October 2006

Far Eastern Econometric Society Meeting, Beijing, China, “Indirect Inference for Dynamic Panel Models”, July 2006

Second International Symposium on Econometric Theory and Applications, Xiamen, China, “Indirect Inference for Dynamic Panel Models”, April 2006

Econometric Society North American Winter Meeting, Boston, “A Two-Stage Realized Volatility Approach to the Estimation for Diffusion Processes from Discrete Observations”, January 2006

Finance Summer Camp at Singapore Management University, “A Two-Stage Realized Volatility Approach to the Estimation for Diffusion Processes from Discrete Observations”, July 2005

Singapore Econometrics Study Group Meeting, Singapore. “On Stiffness in Affine Asset Pricing Models”, July 2005

Inaugural International Symposium on Econometric Theory and Applications, Taipei, “A Two-Stage Realized Volatility Approach to the Estimation for Diffusion Processes from Discrete Observations”, May 2005

Inaugural Saw Centre Conference on Quantitative Finance, “On Stiffness in Affine Asset Pricing Models”, April 2005

New Zealand Econometrics Study Group Meeting, Auckland. “On Leverage in a Stochastic Volatility Model,” July 2004

Inaugural Singapore Econometrics Study Group Meeting, Singapore. “On Leverage in a Stochastic Volatility Model,” July 2004

2004 Far Eastern Econometric Society Meeting, Seoul, South Korea. “On Leverage in a Stochastic Volatility Model,” June 2004

Econometric Society North American Winter Meeting, San Diego. “Jackknifing Bond Option Prices,” January 2004

AEA Meeting, San Diego. “A Class of Nonlinear Stochastic Volatility Models and Its Implications on Pricing Currency Options,” January 2004

Canadian Econometrics Study Group Meeting, Hamilton, Canada. “Jackknifing Bond Option Prices,” September 2003

New Zealand Finance Colloquium, Palmerston North, New Zealand, "A Class of Nonlinear Stochastic Volatility Models and Its Implications on Pricing Currency Options," February 2003

New Zealand Finance Colloquium, Palmerston North, New Zealand, "Jackknifing Bond Option Prices," February 2003

Canadian Econometrics Study Group Meeting, Quebec City, Canada. "A Class of Nonlinear Stochastic Volatility Models and Its Implications on Pricing Currency Options," October 2002

New Zealand Econometrics Study Group Meeting, Dunedin. "A Class of Nonlinear Stochastic Volatility Models," August 2002

2002 Australiasian Econometric Society Meeting, Brisbane, Australia. "A Class of Nonlinear Stochastic Volatility Models," July 2002

AFA Meeting, Atlanta. "A Gaussian Approach for Continuous Time Models of Short Term Interest Rates," January 2002

International Conference on Modelling and Forecasting Financial Volatility, Perth, Australia. "Forecasting Volatility: Evidence from the German Stock Market," September 2001

ICSA Meeting, Hong Kong. "Gaussian Estimation of Continuous Time Models of Short Term Interest Rates," August 2001

2001 Far Eastern Econometric Society Meeting, Kobe, Japan. "Gaussian Estimation of Continuous Time Models of Short Term Interest Rates," July 2001

2001 Australiasian Econometric Society Meeting, Auckland, New Zealand. "Forecasting Volatility: Evidence from the German Stock Market," July 2001

New Zealand Econometrics Study Group Meeting, Auckland. "Exact Gaussian Estimation of Continuous Time Term Structure Models," March 2001

Midwest Econometric Study Group Meeting, Chicago. "Estimation of a Self-Exciting Poisson Jump Diffusion Model by the Empirical Characteristic Function Method," October 2001

New Zealand Econometrics Study Group Meeting, Wellington. "Test for Finite Variance Stock Return Distributions," March 2000

ANZIAM Meeting, Witangi, New Zealand. "Test for Finite Variance Stock Return Distributions," February 2000

New Zealand Econometrics Study Group Meeting, Auckland. "Forecasting Volatility in the New Zealand Stock Market," July 1999

New Zealand Econometrics Study Group Meeting, Auckland. "Efficient Estimation of the Stochastic Volatility Model by the Empirical Characteristic Function Method," March 1999

1999 Far Eastern Econometric Society Meeting, Singapore. “Efficient Estimation of the Stochastic Volatility Model by the Empirical Characteristic Function Method,” July 1999

Quantitative Methods in Finance, Sydney, Australia. “Do Stock Returns Follow A Finite Variance Distribution?” December 1998

Canadian Econometrics Study Group Meeting, London, Ontario. “Efficient Estimation of the Stochastic Volatility Model by the Empirical Characteristic Function Method,” September 1998

Invited Lecture Series

Universite Catholique de Louvain, “Continuous Time Models in Financial Econometrics”, May, 2011

Hong Kong Institute for Monetary Research, “Econometric Analysis of Asset Bubbles”, December 2010

National Taiwan University, Department of Finance, “Continuous Time Models in Financial Econometrics”, December, 2009

National Chung Hsing University, Department of Finance, “Stochastic Volatility Models”, October 2006.

Presentations at Seminars/Workshops

Academia Sinica, Taiwan
Bank of Canada
Bank of Korea
Chartered Financial Analyst -- Singapore
City University of Hong Kong
Chinese University of Hong Kong
CREST, France
Government of Singapore Investment Corporation
Hiroshima University
Hong Kong University of Science and Technology
Hong Kong Institute for Monetary Research
Huazhong University of Science and Technology, China
Korea University
Ling Tung University, Taiwan
London School of Economics
Monash University, Australia
Monetary Authority of Singapore
National Central University, Taiwan
National University of Singapore
Queen’s University, Canada
Shanghai Jiantong University, China
Simon Fraser University, Canada
Singapore Management University
Sun Yat-Sen University, China
Tsinghua University, China
Tunghai University, Taiwan
University of Alberta, Canada

University of Auckland
University of Melbourne
University of Technology, Sydney
University of Toronto
University of Western Australia
University of Western Ontario
Yale University

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