Peter Reinhard Hansen

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	Stanford University	Fax:	(650) 725 5702
	Stanford, CA 94305-6072	Email:	peter.hansen@stanford.edu

Education

2000	Ph.D. in Economics, University of California, San Diego. Dissertation Title: Structural Changes in Cointegrated Processes. Committee members: Professors James D. Hamilton (Chair), Graham Elliott, Halbert White, Bruce Lehmann, and Dimitris Politis.
1995	Master of Science (Mathematics and Economics) University of Copenhagen. Supervised by Prof. Søren Johansen.

Academic Positions

2004 - present	Assistant Professor at Stanford University, Dept. of Economics.
2000 - 2004	Assistant Professor at Brown University, Dept. of Economics.
1998 - 2000	Research Assistant for Professor Halbert White.
1994 - 1996	Research Assistant for Professor Søren Johansen.
1993 - 1995	Research Assistant at the research center "Economic Policy Research Unit," Copenhagen Business School.

Teaching

2004 - present	Undergraduate and graduate econometrics at Stanford University.
2000 - 2004:	Undergraduate and graduate econometrics at Brown University.
1998 - 1999:	Teaching assistant at UCSD: Micro, Macro, Finance and Econometrics.
1992 - 1996:	Teaching assistant: Operations Research, Optimization & Convexity, Econometrics, Advanced Econometrics and Cointegration.

Publications

Books

Workbook on Cointegration, Oxford University Press (1998), (with S. Johansen).

Articles

2011 "The Model Confidence Set", (with A. Lunde and J. M. Nason). *Econometrica*. Vol. 79 pp. 453-497 (2011)

"Subsampled realised kernels", (with O.E. Barndorff-Nielsen, A. Lunde, and N. Shephard). *Journal of Econometrics* Vol 160 pp. 204-219 (2011)

2010 "Realized GARCH: A Joint Model of Returns and Realized Measures of Volatility" (with Z. Huang and H. Shek). Forthcoming in *Journal of Applied Econometrics*

"Multivariate Realised Kernels: Consistent Positive Semi-Definite Estimators of the Covariation of Equity Prices with Noise and Non-Synchronous Trading", (with O.E. Barndorff-Nielsen, A. Lunde, and N. Shephard). Forthcoming in *Journal of Econometrics*

2009 "Realised Kernels in Practice: Trades and Quotes", (with O.E. Barndorff-Nielsen, A. Lunde, and N. Shephard) *Econometrics Journal*. Vol 12, pp. 1-32 (2009)

2008 "Designing realised kernels to measure the ex-post variation of equity prices in the presence of noise", (with O.E. Barndorff-Nielsen, A. Lunde, and N. Shephard), *Econometrica*, Vol. 76, pp. 1481-1536 (2008)

"Reduced-Rank Regression: A Useful Determinant Identity". *Journal of Statistical Planning and Inference,* Vol. 138, pp. 2688-2697 (2008)

"Moving average-based Estimators of Integrated Variance", (with A. Lunde and J. Large). *Econometric Reviews,* Vol. 27, pp. 79-111 (2008)

"The Greenspan Effect on Equity Markets: An Intraday Examination of US Monetary Policy Announcements", (with A. Zebedee, E. Bentzen, and A. Lunde), *Financial Markets and Portfolio Management* Vol. 22 pp. 3-20 (2008)

2006 Realized Variance and Market Microstructure Noise", (with A. Lunde). The 2005 Invited Address with Discussions and Rejoinder. *Journal of Business and Economic Statistics.* Vol. 24, pp. 127-218 (2006)

"Consistent Ranking of Volatility Models", (with A. Lunde). *Journal of Econometrics*, Vol. 131, pp. 97-121 (2006)

2005 "A Test for Superior Predictive Ability". *Journal of Business and Economic Statistics*, Vol. 23, pp. 365-380 (2005)

"A Realized Variance for the Whole Day Based on Intermittent High-Frequency Data", (with A. Lunde). *Journal of Financial Econometrics*, Vol. 3, pp. 525-554 (2005)

"A Forecast Comparison of Volatility Models: Does Anything Beat a GARCH(1,1)?", (with A. Lunde). *Journal of Applied Econometrics.* Vol. 20 pp. 873-889 (2005)

"Granger's Representation Theorem: A Closed-Form Expression for I(1) Processes. *Econometrics Journal*, Vol. 8, pp. 23-38 (2005)

2003 "Structural Changes in the Cointegrated Vector Autoregressive Model". *Journal of Econometrics*. Vol. 114, pp. 261-295 (2003)

"Choosing the Best Volatility Models: The Model Confidence Set Approach", (with A. Lunde and J. M. Nason). *Oxford Bulletin of Economics and Statistics*. Vol. 65, pp. 839-861 (2003)

1995 "Subsidising Consumer Services: Effects on Employment, Welfare and the Informal Economy", (wiith N.K. Frederiksen, H. Jacobsen, and P.B. Sørensen). *Fiscal Studies* Vol. 16 May (1995)

Other Publications

2011 "Forecasting Volatility using High Frequency Data". Forthcoming in Oxford Handbook on Economic Forecasting.

2009 "Conference Given in honor of T.W. Anderson'', (with Tze Leung Lai and Raja Velu). *Amstat News* Issue 386, August, p.43 (2009).

"Conference in Economics and Statistics, in honor of T.W. Anderson's 90th Birthday'', (with Tze Leung Lai and Raja Velu). *IMS Bulletin* Vol 38 January/February (2009).

2003 "Does Anything Beat a GARCH(1,1)? A Comparison Based on Test for Superior Predictive Ability". In the *Proceedings for The 2003 IEEE International Conference on Computational Intelligence for Financial Engineering*, pp. 301-307 (2003)

"Cointegration". In: The SAGE Encyclopedia of Social Science Research Methods. Edited by M. S. Lewis-Beck, A. E. Bryman, and F. Liao. Sage, (2003).

Working Papers (Completed/Submitted/Under Revision)

"A Winner's Curse for Econometric Models: On the Joint Distribution of In-Sample Fit and Out-of-Sample Fit and its Implications for Model Selection".

"Estimating the Estimating the Persistence and the Autocorrelation Function of a Time Series that is Measured with Error" (with A. Lunde). Being revised.

"Quadratic Variation by Markov Chains", with Guillaume Horel. Being revised.

"Testing the Significance of Calendar Effects", (with A. Lunde and J. M. Nason).

"Asymptotic Tests of Composite Hypotheses".

Working Papers (In Progress)

"Exponential GARCH Modeling with Realized Measures of Volatility" (with Zhou Huang).

"Volatility During the Financial Crisis Through the Lens of High Frequency Data: A Realized GARCH Approach" (with Zhou Huang and Marius Matei).

"Generalized Reduced Rank Regression".

"Criteria-Based Shrinkage for Forecasting"

"Regression Analysis with Many Specifications: A Bootstrap Method to Robust Inference"

Administration

2009	Program Chair for *The 2009 EC2 Conference*.
2006-2009	Organized workshops under Stanford Institute for Theoretical Economics.
2007-2008	Junior Search Committee member, Department of Economics, Stanford University.
2005 – 2006	Associate Director of Undergraduate Studies, Department of Economics, Stanford University.
2004 – 2005:	Graduate Admission, Department of Economics, Stanford University.
2001 – 2002:	Junior Search Committee member, Department of Economics, Brown University.
2000 – 2001:	Department Computer Coordinator, Department of Economics, Brown University.
1990 – 1994:	Editor of the student magazine: MatØk-Nyt.
1995 – 1996:	President of the Danish Operations Research Society
1993 – 1996:	Member of the board of Danish Operations Research Society.
1990 – 1994:	Student member of the education board for the joint education in mathematics and economics.

Longer Research Visits

2009 August	CREATES, University of Aarhus
2008 October	Federal Reserve Bank, Board of Governors, Washington DC
2008 August	CREATES, University of Aarhus
2008 January	Federal Reserve Bank of Atlanta
2007 August	CREATES, University of Aarhus
2004 March	Federal Reserve Bank of Atlanta
2004 Spring	University of Copenhagen
2003 May	European Central Bank, Frankfurt, Germany.

2003 March	Federal Reserve Bank of Atlanta
2000 May	European University Institute, Florence, Italy.

Honors, Scholarships, Fellowships, and Awards

2004	Award for Undergraduate Teaching Excellence: *Economics Teacher of the Year*. Awarded by the Honor Society in Economics: Omicron Delta Epsilon at Brown University.
2001 – 2003:	Salomon Research Grant at Brown University: Project in “Data Snooping in Econometrics”, $12,000.
2001 – 2003:	Danish Research Agency: “Data Mining and Model Comparison”, approx $175,000 (with A. Lunde).
1999 – 2000:	Department of Economics, UCSD, San Diego: “Project in Econometrics Analysis Fellowship”.
1997 – 1999:	Danish Social Science Research Council: “Graduate Stipend”.
1997 – 2000:	The Danish Research Academy: “Tuition and fees for graduate studies at UCSD”.

Conference Presentations

1996 May:	Danish Econometric Society annual meeting, Sandbjerg, Denmark. "Exogeneity in the I(1) Model".
1999 April:	Macroeconomic Transmission Mechanisms: Empirical Applications and Econometric Methods. Trondheim, Norway. "Structural Breaks in the Term Structure of Interest Rates".
2000 May:	Macroeconomic Transmission Mechanisms, Copenhagen. "Testing for Structural Changes in Cointegration Relations".
2000 August:	World Congress of the Econometric Society, Seattle. "Structural Changes in the Cointegration Vector Autoregressive Model".
2001 May:	First Nordic Econometric Meeting, Sandbjerg, Denmark. "An Unbiased and Powerful Test for Superior Predictive Ability".
2001 May:	Macroeconomic Transmission Mechanisms, EUI, Florence. "An Unbiased and Powerful Test for Superior Predictive Ability".
2001 June:	North American Summer Meeting of the Econometric Society, Maryland. "An Unbiased and Powerful Test for Superior Predictive Ability".
2001 July:	NBER/NSF conference in Cambridge, MA. "An Unbiased and Powerful Test for Superior Predictive Ability".
2001 August:	European Meeting of the Econometric Society, Lausanne. "An Unbiased and Powerful Test for Superior Predictive Ability".

2002 January:	Econometric Society Winter Meeting, Atlanta. "An Unbiased and Powerful Test for Superior Predictive Ability".
2002 August:	Econometric Society European Meeting, Venice. "Generalized Reduced Rank Regression".
2002 September:	NBER/NSF time-series conference, Philadelphia. "The Distribution of the Maximal R^2".
2002 December:	EC^2: Model Selection and Evaluation, Bologna, Italy. "The Distribution of the Maximal R^2".
2003 January:	“Macroeconomic transmission mechanisms in Europe. Empirical applications and econometric methods”, Copenhagen. "The Distribution of the Maximal R^2".
2003 May:	SBFSIF, Quebec. "Regression Analysis with Many Specifications: A Bootstrap Method for Robust Inference". (Invited).
2003 May:	New Frontier on Volatility Modelling, Florence, Italy. "Consistent Preordering with an Estimated Criterion Function, with an Application to the Comparison of Volatility Models".
2003 July:	NBER/NSF Summer Institute, Boston. "Regression Analysis with Many Specifications: A Bootstrap Method for Robust Inference".
2003 August:	American Statistical Association, San Francisco. "Generalized Reduced Rank Regression". (Invited).
2003 August:	ESEM/EEA, Stockholm. "Regression Analysis with Many Specifications: A Bootstrap Method for Robust Inference".
2003 October:	Mini Conference on Forecasting, Pasadena, CA. Jointly organized by UCLA, USC, and California Institute of Technology. "Choosing the Best Volatility Models: The Model Confidence Set Approach". (Invited).
2004 May:	Conference on Forecasting for young researchers, Duke University. "Model Confidence Set for Forecasting Models".
2004 June:	Econometric Society North American Summer Meeting, Providence. "Realized Variance and IID Market Microstructure Noise".
2004 July:	NBER/NSF Summer Institute, Boston. "Model Confidence Set for Forecasting Models".
2004 August:	Review of Economics Summer School, Nuffield College, Oxford. “Realized Variance and Market Microstructure Noise”.
2004 September:	Innovations in Financial Econometrics in Celebration of the 2003 Nobel, at Stern, NYU. “Realized Variance and Market Microstructure Noise”.
2005 January:	Econometrics Society Winter Meeting, Philadelphia. “Realized Variance and Market Microstructure Noise”.
2005 April:	CIRANO-CIREQ: Forecasting in Macroeconomics and Finance, Montreal. “Model Confidence Set for Forecasting Models”.

2005 April:	SBFSIF, Quebec. “Regular and Modified Kernel-Based Estimators of Integrated Variance: The Case with Independent Noise”.
2005 June:	Princeton-Chicago Conference on the Econometrics of High Frequency Financial Data, Florida. “Realized Variance and Market Microstructure Noise”.
2005 August:	JBES Invited Address, ASA Meeting, Minneapolis. “Realized Variance and Market Microstructure Noise”.
2005 August:	Econometric Society World Congress, London. “Kernel-Based Estimators of Integrated Variance”.
2006 April:	CIRANO-CIREQ: Montreal. "Designing Realized Kernels to Measure the Ex-Post Variation of Equity Prices in the Presence of Noise".
2006 May:	`International Conference on High Frequency Finance’, Konstanz. "MA-Based Estimators of Integrated Variance".
2006 June:	CAF, Sandbjerg, DK. "Designing Realized Kernels to Measure the Ex-Post Variation of Equity Prices in the Presence of Noise".
2006 June:	`The Cointegrated VAR Approach’ Shaeffergaarden, DK. "Cointegration, GRT, and High-Frequency Data".
2006 July	“Criteria-Based Shrinkage for Forecasting”. Stanford Institute for Theoretical Economics Conference.
2006 December	“Subsampled Realised Kernels”. Zeuthen Workshop, University of Copenhagen.
2006 December	“Model Confidence Set for Forecasting Models”, EC^2 Rotterdam.
2007 March	“Subsampling Realised Kernels”, Duke University.
2007 April	“Subsampling Realised Kernels”, Hong Kong.
2007 June	“Realized Kernels”, Econometric Society Summer Meeting, North America, at Duke University.
2007 August	“Quadratic Variation by Markov Chains”, CREATES opening conference, University of Aarhus.
2007 August	“Subsampling Realised Kernels”, Econometric Society Summer Meeting, Europe, Budapest.
2007 June	“Realized Kernels”, Econometric Society Summer Meeting, North America, at Duke University.
2007 November	“Criteria-Based Shrinkage for Forecasting”, 5th ECB Workshop on Forecasting Techniques, European Central Bank, Frankfurt.
2008 March	“In-Sample and Out-of-Sample Fit: Their Joint Distribution and Its Implications for Model Selection”, St. Louis Fed: Time Series Econometrics with Applications to Macroeconomics and Finance.
2008 May	“Multivariate Realised Kernels”, Imperial College, London.

2008 June	“Quadratic Variation by Markov Chains”, SOFIE Inaugural conference, New York.
2008 July	“In-Sample and Out-of-Sample Fit: Their Joint Distribution and Its Implications for Model Selection”, NBER-NSF Summer Institute, Boston.
2008 July	“In-Sample and Out-of-Sample Fit: Their Joint Distribution and Its Implications for Model Selection”, Forecasting in Rio de Janeiro.
2008 August	“Multivariate Realised Kernels”, Volatility Symposium, University of Aarhus.
2008 September	“In-Sample and Out-of-Sample Fit: Their Joint Distribution and Its Implications for Model Selection”, NBER-NSF Time-Series Conference.
2008 June	“Quadratic Variation by Markov Chains”, Vast Data Conference, Oxford-Man Institute
2008 October	“Multivariate Realised Kernels”, High-Frequency Data Analysis in Financial Markets, Hitotsubashi University.
2009 September	“Quadratic Variation by Markov Chains”, NBER/NSF Time Series Conference, UC Davis.
2009 September	“Quadratic Variation by Markov Chains”, All California Econometrics Conference at UC Riverside.
2010 January	“Quadratic Variation by Markov Chains”, ASSA/Econometric Society Winter Meeting, Atlanta.
2010 April	“Realized GARCH: A Complete Model of Returns and Realized Measures of Volatility”, NYU, Stern, Conference on: Volatility and Systemic Risk.
2010 May	“Realized GARCH: A Complete Model of Returns and Realized Measures of Volatility”, SETA 2010, Singapore.
2010 August	“A Winner’s Curse for Econometric Models: On the Joint Distribution of In-Sample Fit and Out-of-Sample Fit and its Implications for Model Selection”, Takeshi Amemiya Conference, Shanghai.
2010 August	“Realized GARCH: A Complete Model of Returns and Realized Measures of Volatility”, Econometric Society World Congress, Shanghai.

Seminar Presentations

1999 May:	European University Institute (EUI) Florence, Italy. "Structural Breaks in the Cointegration Vector Autoregressive Model".
1999 November:	University of California, San Diego. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 January:	University of Toronto. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 January:	University of Indiana, Bloomington. "Structural Breaks in the Cointegration Vector Autoregressive Model".

2000 January:	Purdue University, Lafayette. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 January:	Arizona State University. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 February:	University of Virginia. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 February:	Duke University. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 February:	Brown University. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 February:	University of Texas, Austin. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 February:	University of Western Ontario. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 February:	Lehman Brothers, New York. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 April:	University of British Columbia, Vancouver. "Structural Breaks in the Cointegration Vector Autoregressive Model".
2000 April:	University of California, Riverside. "Structural Breaks in the Cointegrated Vector Autoregressive Model".
2000 May:	European University Institute, Florence. "Structural Breaks in the Cointegrated Vector Autoregressive Model".
2000 October:	Brown University. "Generalized Reduced Rank Regression".
2000 November:	University of Aarhus, Denmark. "Generalized Reduced Rank Regression".
2001 February:	University of Copenhagen, Denmark. "An Unbiased and Powerful Test for Superior Predictive Ability".
2001 May:	University of Aarhus. "A Forecast Comparison of Volatility Models: Does Anything Beat a GARCH(1,1)?".
2001 October:	Brown University. "An Unbiased and Powerful Test for Superior Predictive Ability".
2001 October:	University of British Columbia, Canada. "An Unbiased and Powerful Test for Superior Predictive Ability".
2001 November:	Brown University. "A Forecast Comparison of Volatility Models: Does Anything Beat a GARCH(1,1)?".
2001 November:	Princeton University. "An Unbiased and Powerful Test for Superior Predictive Ability".
2001 November:	University of Pennsylvania. "A Forecast Comparison of Volatility Models: Does Anything Beat a GARCH(1,1)?".

2001 December:	Harvard/MIT. "An Unbiased and Powerful Test for Superior Predictive Ability".
2001 December:	University of Copenhagen, Department of Statistics and Operations Research. "A Forecast Comparison of Volatility Models: Does Anything Beat a GARCH(1,1)?".
2002 January:	European Central Bank, Frankfurt, Germany. "An Unbiased and Powerful Test for Superior Predictive Ability".
2002 January:	University of Amsterdam, Holland. "An Unbiased and Powerful Test for Superior Predictive Ability".
2002 February:	University of California, Riverside. "An Unbiased and Powerful Test for Superior Predictive Ability".
2002 June:	Federal Reserve Bank of New York. "An Unbiased and Powerful Test for Superior Predictive Ability".
2002 October:	University of Montreal. "An Unbiased and Powerful Test for Superior Predictive Ability".
2003 March:	Federal Reserve Bank of Atlanta. "Choosing the Best Volatility Models: The Model Confidence Set Approach".
2003 March:	Stanford University. "Asymptotic Tests of Composite Hypotheses".
2003 April:	University of California Berkeley. "Asymptotic Tests of Composite Hypotheses".
2003 May:	Tilburg University. "Asymptotic Tests of Composite Hypotheses".
2003 May:	University of Amsterdam. "Asymptotic Tests of Composite Hypotheses".
2003 October:	University of California, San Diego. "Choosing the Best Volatility Models: The Model Confidence Set Approach".
2003 November:	University of Columbia. "Asymptotic Tests of Composite Hypotheses".
2003 November:	New York University. "Asymptotic Tests of Composite Hypotheses".
2003 December:	University of Montreal. "Asymptotic Tests of Composite Hypotheses".
2003 December:	University of Concordia. "Asymptotic Tests of Composite Hypotheses".
2003 December:	Boston University. "Asymptotic Tests of Composite Hypotheses".
2004 January:	Stanford University. "A Test for Superior Predictive Ability".
2004 January:	University of California, Davis. "Asymptotic Tests of Composite Hypotheses".
2004 January:	Arizona State University. "A Test for Superior Predictive Ability".
2004 February:	University of Copenhagen, CAM. " Asymptotic Tests of Composite Hypotheses ".
2004 March:	Emory University. " Asymptotic Tests of Composite Hypotheses ".
2004 March:	Federal Reserve Bank of Atlanta. "An Unbiased Measure of Realized Variance".
2004 April:	London School of Economics. "An Unbiased Measure of Realized Variance".

2004 April:	City University London, CASS. "Model Confidence Sets for Forecasting Models".
2004 April:	Queen Mary College, London. "Model Confidence Sets for Forecasting Models".
2004 May:	Copenhagen Business School (Nationaløkonomi). "An Unbiased Measure of Realized Variance".
2004 May:	University of Copenhagen (Statistics). "An Unbiased Measure of Realized Variance".
2004 May:	University of Aarhus. "An Unbiased Measure of Realized Variance".
2004 June:	Universitat Pompeu Fabra. "Model Confidence Sets for Forecasting Models".
2004 August:	Carnegie Mellon University. " An Unbiased Measure of Realized Variance".
2004 October:	Vanderbilt University. "Model Confidence Sets for Forecasting Models".
2004 November:	Princeton University. "Kernel-Based Estimators of Integrated Variance".
2005 January:	University of Chicago. "Kernel-Based Estimators of Integrated Variance".
2005 February:	University of Houston/Rice University. "Model Confidence Sets for Forecasting Models".
2005 March:	UC Berkeley. "Kernel-Based Estimators of Integrated Variance".
2005 May:	Stanford University, GSB. "Kernel-Based Estimators of Integrated Variance".
2005 October	Stanford University (Financial Math.). "Realized Variance and Market Microstructure Noise".
2005 October	UCSD. "Realized Variance and Market Microstructure Noise".
2005 November:	University of Aarhus. "Kernel-Based Estimators of Integrated Variance".
2005 December:	University of Wisconsin. "Kernel-Based Estimators of Integrated Variance".
2005 December:	Oxford University, Nuffield College "Kernel-Based Estimators of Integrated Variance".
2006 March:	University of Washington, Seattle. "Model Confidence Sets for Forecasting Models".
2006 March:	St. Louis Fed. "Model Confidence Sets for Forecasting Models".
2006 May:	UC Davis. "Model Confidence Sets for Forecasting Models".
2006 May:	University of Zurich. "Designing Realized Kernels to Measure the Ex-Post Variation of Equity Prices in the Presence of Noise".
2006 June:	Board of Governors, Washington DC. "Designing Realized Kernels to Measure the Ex-Post Variation of Equity Prices in the Presence of Noise".
2006 October:	ECB/Bundesbank/Frankfurt. "Model Confidence Sets for Forecasting Models".
2006 October:	ECARES, Brussels. "Model Confidence Sets for Forecasting Models".
2007 April:	HEC, Montreal. "Subsampling Realised Kernels ".

2007 September: Texas A&M. "Designing Realised Kernels to Measure the Ex-Post Variation of Equity Prices in the Presence of Noise".

2007 September: LSU. "Designing Realised Kernels to Measure the Ex-Post Variation of Equity Prices in the Presence of Noise".

2007 October: Oxford-Man Institute. “Quadratic Variation by Markov Chains”.

2007 November: University of Pennsylvania. “Quadratic Variation by Markov Chains”.

2007 December: CREATES, University of Aarhus. “In-Sample Out-of-Sample Fit: Their Joint Distribution and Its Implications for Model Selection”.

2008 February: San Francisco Federal Reserve Bank. "Model Confidence Sets for Forecasting Models".

2008 March: UC Berkeley. “In-Sample Out-of-Sample Fit: Their Joint Distribution and Its Implications for Model Selection”.

2008 April: UC San Diego. “In-Sample Out-of-Sample Fit: Their Joint Distribution and Its Implications for Model Selection”.

2008 September: FED, Board of Governors. “Multivariate Realised Kernels”.

2008 October: FED, Board of Governors. “In-Sample Out-of-Sample Fit: Their Joint Distribution and Its Implications for Model Selection”.

2008 October: Columbia University. “In-Sample and Out-of-Sample Fit: Their Joint Distribution and Its Implications for Model Selection”.

2008 October: Bank of Japan. “Quadratic Variation by Markov Chains”.

2009 January: Singapore National University. “In-Sample Fit and Out-of-Sample Fit: Their Joint Distribution and…”.

2009 February: Stanford, Dept. of Statistics. “Quadratic Variation by Markov Chains”.

2009 February: USC. “Quadratic Variation by Markov Chains”.

2009 Marts: University of Aarhus. “Quadratic Variation by Markov Chains”.

2009 April: University of Michigan. “Quadratic Variation by Markov Chains”.

2009 April: Yale University “In-Sample Fit and Out-of-Sample Fit: Their Joint Distribution and…”.

2009 May: University of Warwick “In-Sample Fit and Out-of-Sample Fit: Their Joint Distribution and…”.

2009 May: University of Chicago “In-Sample Fit and Out-of-Sample Fit: Their Joint Distribution and…”.

2009 September: Duke University “In-Sample Fit and Out-of-Sample Fit: Their Joint Distribution and…”.

2010 February Humboldt University, Berlin. “Realized GARCH: A Complete Model of Returns and Realized Measures of Volatility”

2010 February Einaudi Institute, Rome “Realized GARCH: A Complete Model of Returns and Realized Measures of Volatility”.

2010 February	Banca d'Italy Rome. "In-Sample Fit and Out-of-Sample Fit: Their Joint Distribution and…".
2010 February	UC Berkeley. "Estimating the Persistence and the Autocorrelation Function of a Time Series that is Measured with Error"
2010 May	Federal Reserve Bank, San Francisco. "A Winner's Curse for Econometric Models: On the Joint Distribution of In-Sample Fit and Out-of-Sample Fit and its Implications for Model Selection".
2010 August	Bank of Japan. "A Winner's Curse for Econometric Models: On the Joint Distribution of In-Sample Fit and Out-of-Sample Fit and its Implications for Model Selection".
2010 August	Hitotsubashi University. "Realized GARCH: A Complete Model of Returns and Realized Measures of Volatility"

Professional Activities

Memberships:	Econometric Society and The Society for Financial Econometrics (Sofie).
Editorial:	Associate Editor for the Journal of Applied Econometrics.
Referee:	American Economic Review, Econometric Theory, Econometrica, Econometrics Reviews, Economics Bulletin, Economics Letters, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Forecasting, Scandinavian Journal of Economics, Studies in Nonlinear Dynamics and Econometrics, International Economic Review, Journal of Mathematical Economics, Journal of Economic Dynamics and Control, Journal of Money Credit and Banking, Journal of Econometrics, Bernoulli.
Other:	Proposal reviewer for National Science Foundation.

Student Advising

Ph.D. Students	Zarina Abidin (2001), Hyung-Kwon Chung (2001), Peyron Law (2005), Jesse Czelusta (2005), Azeem Shaik (2006), **Albert Chun** (2006), **Joao Azevedo** (2007), Andreas Santos (2007), **Guillaume Horel** (2007), **Wei Wu** (2010), **Howan Shek** (2010), **Zhou Huang** (2010).
Undergraduate:	Honors Thesis advisor for: Edward van Wesep (2002), Youngjun Jang (2007), Ashsish Sehnoy (2008), Rohan Tandon (2009)