Frank Schorfheide

Professor of Economics
Department of Economics • University of Pennsylvania • Philadelphia, PA 19104-6297
Internet: schorf@ssc.upenn.edu • http://www.econ.upenn.edu/~schorf

ACADEMIC APPOINTMENTS

- Professor of Economics, University of Pennsylvania, since July 1, 2008
- Associate Professor of Economics, University of Pennsylvania, 2004-2008.
- Visiting Associate Professor, New York University, Fall 2004
- Assistant Professor of Economics, University of Pennsylvania, 1998-2004.

SHORT-TERM VISITING APPOINTMENTS

- Columbia University, September 2005
- University of Chicago, March 2005
- New York University, Fall 2004

AFFILIATIONS

- Centre for Economic Policy Research (CEPR), Research Fellow since August 2005
- National Bureau of Economic Research (NBER), Research Associate since 2010, Faculty Research Fellow 2006-2010; Co-Founder / Co-Leader NBER work group on “Empirical Methods and Applications for DSGE Models” (this group is part of the Economic Fluctuations and Growth research program)

EDUCATION

- Yale University, Ph.D., Economics, May 1998
- Technical University of Darmstadt, Dual Master’s Degree in Economics and Electrical Engineering, August 1994
- University of Illinois, Non-degree exchange student, August 1992 – May 1993

FELLOWSHIPS AND HONORS

- National Science Foundation Grant: “Monetary DSGE Models: Advances in Theoretical Modelling and Econometric Analysis,” with Boragan Aruoba, 2011-2014
- National Science Foundation Grant: “Generalized Bayesian Estimation, Forecasting, and Policy Analysis in DSGE Macroeconomic Models” with Francis X. Diebold, 2006-2009
- Alfred P. Sloan Research Fellowship, 2004-2008
- University Research Foundation Award: Econometric Evaluation of Monetary Policy Rules with DSGE Models of Open Economies, 2001-2002
- University Research Foundation Award: Evaluating Asset Pricing Implications of DSGE Models, 1999-2000
- Alfred P. Sloan Dissertation Fellowship, 1996-97

FELLOWSHIPS AND HONORS (CONTINUED)

- German Academic Exchange Service Dissertation Fellowship, 1994-97
- Yale University Fellowship, 1994-96 and 1997-98

PUBLICATIONS AND RESEARCH

Working Papers

- “Inflation in the Great Recession and New Keynesian DSGE Models,” joint with Marco Del Negro (FRB New York) and Marc Giannoni (FRB New York), last revised April 2014.
- “Shrinkage Estimation of High-Dimensional Factor Models with Structural Instabilities,” joint with Xu Cheng (UPenn) and Zhipeng Liao (UCLA), last revised December 2013; available as NBER WP 19792.
- “Real-Time Forecasting with a Mixed-Frequency VAR,” joint with Dongho Song (Penn), last revised December 2013; available as NBER WP 19712.
- “Assessing DSGE Model Nonlinearities,” joint with Boragan Aruoba (Maryland) and Luigi Bocola (UPenn), last revised November 2013; available as NBER WP 19693.
- “Dynamic Prediction Pools: An Investigation of Financial Frictions and Forecasting Performance,” joint with Marco Del Negro (FRB New York) and Raiden Hasegawa (FRB New York), last revised November 2013.
- “To Hold Out or Not to Hold Out,” joint with Ken Wolpin (UPenn), last revised October 2013; available as NBER WP 19565.
- “Identifying Long-run Risks: A Bayesian Mixed-Frequency Approach,” joint with Dongho Song (UPenn) and Amir Yaron (Wharton), last revised September 2013; available as FRB-Philadelphia WP 13-39.
- “Macroeconomic Dynamics Near the ZLB: A Tale of Two Equilibria,” joint with Boragan Aruoba (Maryland), last revised June 2013; available as NBER WP 19248.
- “Improving GDP Measurement: A Measurement Error Perspective,” joint with Boragan Aruoba (Maryland), Frank Diebold (UPenn), Jeremy Nalewaik (Federal Reserve Board), and Donho Song (UPenn), last revised April 2013; available as NBER WP 18954.
- “Inference for VARs Identified with Sign Restrictions,” joint with Hyungsik Roger Moon (USC and Maryland), and Eleonora Granziera (Bank of Canada), and Mihye Lee (USC), last revised January 2013; available as NBER WP 17140.

Refereed Publications

- “Sequential Monte Carlo Sampling for DSGE Models,” joint with Ed Herbst (Board of Governors), *Journal of Applied Econometrics*, forthcoming.
- “A Markov-Switching Multi-Fractal Inter-Trade Duration Model, with Applications to U.S. Equities,” joint with Fei Chen (Huazhong University) and Frank Diebold (UPenn), *Journal of Econometrics*, 177(2), 2013, 320-342.
- “Labor Market Heterogeneity and the Lucas Critique,” joint with Yongsung Chang (Rochester), and Sun-Bin Kim (Yonsei University), *Journal of the European Economic Association*, 11(S1), 2013, 193-220.

Refereed Publications (Continued)

- "Methods versus Substance: Measuring the Effects of Technology Shocks," joint with Jose Victor Rios Rull (Minnesota), Cristina Fuentes-Albero (Board of Governors), Raul Santaeulalia-Llopis (Washington University in St. Louis), and Maxym Kryhko (IMF), *Journal of Monetary Economics*, 59(8), 2012, 826-846.
- "Evaluating DSGE Model Forecasts of Comovements," joint with Ed Herbst (Board of Governors), *Journal of Econometrics*, 171(2), 2012, 152-166.
- "Bayesian and Frequentist Inference in Partially Identified Models," joint with Hyungsik Roger Moon (USC), *Econometrica*, 80(2), 2012, 755-782.
- "Sticky Prices versus Monetary Frictions: An Estimation of Policy Trade-offs," joint with Boragan Aruoba (Maryland), *American Economic Journal: Macroeconomics*, 3(1), 2011, 60-90.
- "DSGE Model-Based Forecasting of Non-Modelled Variables," joint with Keith Sill (FRB Philadelphia) and Maxym Kryshko (IMF), *International Journal of Forecasting*, 26(2), 2010, 348-373.
- "Estimation with Overidentifying Inequality Moment Conditions," joint with Hyungsik Roger Moon, *Journal of Econometrics*, 153(2), 2009, 136-154.
- "Monetary Policy with Potentially Misspecified Models," joint with Marco Del Negro (FRB New York), *American Economic Review*, 99(4), 2009, 1415-1450.
- "Forming Priors for DSGE Models (And How it Affects the Assessment of Nominal Rigidities)," joint with Marco Del Negro (FRB New York), *Journal of Monetary Economics*, 55(7), 2008, 1191-1208.
- "Nonstationary Hours in a DSGE Model," joint with Yongsung Chang (Seoul National University) and Taeyong Doh (FRB Kansas City), *Journal of Money, Credit, and Banking*, 39(6), 2007, 1357-1373.
- "Bayesian Analysis of DSGE Models," joint with Sungbae An (Singapore Management University), *Econometric Reviews*, with discussions by F. Canova, J. Geweke, D. Poirier, M. Villani, T. Zha, and rejoinder, 26(2-4), 2007, 113-172.
- "Do Central Banks Respond to Exchange Rates – A Structural Investigation," with Thomas Lubik (FRB Richmond), *Journal of Monetary Economics*, 54(4), 2007, 1069-1087.
- "On the Fit of New Keynesian Models," joint with Marco Del Negro (FRB New York), Frank Smets (ECB), and Raf Wouters (National Bank of Banks), *Journal of Business & Economic Statistics*, invited JBES lecture with discussions by L. Christiano, R. Gallant, C. Sims, J. Faust, L. Kilian, and rejoinder, 25(2), 2007, 143-162.
- "Learning and Monetary Policy Shifts," *Review of Economic Dynamics*, 8(2), 2005, 392-419.
- "VAR Forecasting under Misspecification," *Journal of Econometrics*, 128, 2005, 99-136.
- "Testing for Indeterminacy: An Application to U.S. Monetary Policy," with Thomas Lubik (FRB Richmond), *American Economic Review*, 94(1), 2004, 190-217.
- "Priors from General Equilibrium Models for VARs," with Marco Del Negro (FRB New York), *International Economic Review*, 45(2), 2004, 643-673.
- "Labor Supply Shifts and Economic Fluctuations," with Yongsung Chang (FRB Richmond), *Journal of Monetary Economics*, 50(8), 2003, 1751-1768.
- "Computing Sunspot Equilibria in Linear Rational Expectations Model," with Thomas Lubik (FRB Richmond)," *Journal of Economic Dynamics and Control*, 28(2), 2003, 273-285.
- "Minimum Distance Estimation of Non-stationary Time Series Models," with Hyungsik Roger Moon (USC), *Econometric Theory*, 18(6), 2002, 1385-1407.

Refereed Publications (Continued)

- "Learning-by-Doing as Propagation Mechanism," with Yongsung Chang (FRB Richmond) and Joao Gomes (UPenn), *American Economic Review,* 92(5), 2002, 1498-1520 .
- "Loss Function Based Evaluation of DSGE Models," *Journal of Applied Econometrics,* 15(6), 2000, 645-670.
- "Quantile Spline Models for Global Temperature Change," with Roger Koenker (University of Illinois), Climatic Change, 28, 1994, 395-404.

Other Publications (Book Chapters, Comments, Notes, Etc)

- "Estimation and Evaluation of DSGE Models: Progress and Challenges." Forthcoming in: D. Acemoglu, M. Arellano, and E. Deckel (eds.*): "Advances in Economics and Econometrics: Theory and Applications, Tenth World Congress,"* Vol 3, 2013, Cambridge University Press, 184-230.
- "DSGE Model-Based Forecasting," joint with Marco Del Negro (FRB New York). Forthcoming in: G. Elliott and A. Timmermann (eds.): *"Handbook of Economic Forecasting, Vol. 2A,"* Handbooks in Economics, Elsevier / North-Holland, 2013, 57-140.
- "Improving GDP Measurement: A Forecast Combination Perspective," joint with Boragan Aruoba (Maryland), Frank Diebold (UPenn), Jeremy Nalewaik (Federal Reserve Board), and Dongho Song (UPenn). In X. Chen and N. Swanson (eds) "*Causality, Prediction, and Specification Analysis: Recent Advances and Future Directions - Essays in Honour of Halbert L. White Jr,"* Springer Verlag, 2013, 1-25.
- "On the Use of Holdout Samples for Model Selection," joint with Ken Wolpin (Penn), *American Economic Review - Papers and Proceedings*, 102(3), 2012, 477-481.
- "Bayesian Macroeconometrics," joint with Marco Del Negro (FRB New York), in J. Geweke, Gary Koop, and H. van Dijk (eds) *Handbook of Bayesian Econometrics*, Oxford University Press, 2011.
- "Inflation Dynamics in a Small Open Economy Model under Inflation Targeting: Some Evidence from Chile," joint with Marco Del Negro (FRB New York) in K. Schmidt-Hebbel and C.E. Walsh (eds.) Monetary Policy under Uncertainty and Learning, Series on Central Banking, Analysis, and Economic Policies, Vol 13, 2009, Central Bank of Chile, 511-562.
- "DSGE Model-Based Estimation of the New Keynesian Phillips Curve," Economic Quarterly of the Federal Reserve Bank of Richmond, Fall 2008, 397-433
- "Monetary Policy under Uncertainty in an Estimated Model with Labor Market Frictions" Comments on a paper by Luca Sala, Ulf Soderstrom, and Antonella Trigari. *Journal of Monetary Economics, Carnegie-Rochester Conference Series*, 55(5), 2008, 1007-1010.
- "How Structural are Structural Parameters?" Discussion of a Paper by Jesus Fernandez-Villaverde and Juan Rubio-Ramirez, *2007 NBER Macroeconomics Annual*, 2008, 139-163, MIT Press.
- "Bayesian Methods in Macroeconometrics," in S.N. Durlauf and L.E. Blume (eds), *The New Palgrave Dictionary of Economics*, 2008, Palgrave Macmillan.
- "Testing for Indeterminacy: A Reply," joint with Thomas Lubik (FRB Richmond), *American Economic Review*, 97(1), 2007, 530-533.
- "How Good is What You've Got? DSGE-VAR as a Toolkit for Evaluating DSGE Models," joint with Marco Del Negro (FRB New York), *FRB Atlanta Economic Review*, 91(2), 2006.
- "A Bayesian Look at New Open Economy Macroeconomics," joint with Thomas Lubik (FRB Richmond), *2005 NBER Macroeconomics Annual*, 2006, MIT Press.

Other Publications (Continued)

- "Econometric Methods in Macroeconomics and Finance," joint with Francis X. Diebold, Robert Engle, Carlo Favero, and Giampiero Gallo. Guest Editors' introduction to a special issue of the *Journal of Econometrics*, 131(1-2), 2006, 1-2.
- "Policy Predictions if the Model Doesn't Fit," joint with Marco Del Negro (FRB New York), *Journal of the European Economic Association*, 3(2-3), 2005, 434-443.
- "Take Your Model Bowling: Forecasting with General Equilibrium Models," joint with Marco Del Negro (FRB New York), *FRB Atlanta Economic Review*, 2003(4).
- "Loss Function Estimation of Forecasting Models: A Bayesian Perspective," *American Statistical Association, 1999 Proceedings of the Section on Bayesian Statistics*, 1999.
- "Econometric Modeling of Macroeconomic Aggregates," *Ph.D. Dissertation*, Yale University, Graduate School of Arts and Sciences, May 1998.
- "Economic Impact of Cuts in Defense Spending," ACDIS Occasional Papers, April 1993, University of Illinois, Urbana and Champaign.

Book Reviews:

- "Financial Econometrics" by Christian Gourieroux and Joann Jasiak, Princeton University Press, *Econometric Theory*, 19(2), 2003, 401-409.
- "Forecasting Economic Time Series" by Michael Clements and David Hendry, Cambridge University Press, *Econometric Theory*, 16(3), 2000, 441-450.

RESEARCH COLLABORATORS:

- Sungbae An (Singapore National University)
- Boragan Aruoba (University of Maryland)
- Luigi Bocola (University of Pennsylvania)
- Yongsung Chang (University of Rochester)
- Fei Chen (Huazhong University of Science and Technology)
- Xu Cheng (University of Pennsylvania)
- Marco Del Negro (FRB New York)
- Taeyoung Doh (FRB Kansas City)
- Francis X. Diebold (University of Pennsylvania)
- Cristina Fuentes-Albero (Rutgers University)
- Marc Giannoni (FRB New York)
- Eleonora Granziera (Bank of Canada)
- Raiden Hasegawa (FRB New York)
- Edward Herbst (Board of Governors)
- Maxym Kryhko (International Monetary Fund)
- Zhipeng Liao (UCLA)
- Thomas Lubik (FRB Richmond)
- Hyungsik Roger Moon (University of Southern California)
- Jeremy Nalewaik (Board of Governors)
- Jose Victor Rios-Rull (University of Minnesota)
- Raul Santaeulalia-Llopis (Washington University St. Louis)
- Keith Sill (Federal Reserve Bank of Philadelphia)

RESEARCH COLLABORATORS (Continued):

- Frank Smets (European Central Bank)
- Dongho Song (University of Pennsylvania)
- Ken Wolpin (University of Pennsylvania)
- Rafael Wouters (National Bank of Belgium)
- Amir Yaron (Wharton)

PROFESSIONAL ACTIVITIES AND AFFILIATIONS

Editorships (Current)

- Co-Editor: Quantitative Economics (since 2011)
- Guest Editor: Journal of Applied Econometrics special issue on methods and applications for DSG E models (current).

Editorships (Past)

- Editorial Board Member: International Economic Review (2005-2009), American Economic Review (2005-2011), Quantitative Economics (2009-2011)
- Associate Editor: Macroeconomic Dynamics (2005-2008), Journal of Money, Credit, and Banking (2005-2008), Journal of Econometrics (2006-2011), Journal of Monetary Economics (2008-2011).
- Co-editor of a special issue of Journal of Econometrics on Econometric Methods in Finance and Macroeconomics, 2006

Consulting, Visiting Scholar

- Federal Reserve Bank of Philadelphia: since August 2003
- Federal Reserve Bank of New York: since Fall 2007
- Federal Reserve Bank of Minneapolis: Fall 2010 – Fall 2011
- European Central Bank: April 2002, August 2003, December 2004, June 2005, December 2005, September 2007, December 2007, April 2008
- Deutsche Bundesbank: June 2003
- Federal Reserve Board of Governors: July 2003
- Federal Reserve Bank of Atlanta: November 2001, June 2002, August 2003, May 2005
- International Monetary Fund: 2003, 2004

Referee Activities

American Economic Review, Annals of the Institute of Statistical Mathematics, Econometrica, Econometric Theory, International Economic Review, Journal of Applied Econometrics, Journal of Business Economics and Statistics, Journal of Econometrics, Journal of Economic Dynamics and Control, Journal of Money Credit and Banking, Journal of Statistical Planning and Inference, National Science Foundation, SIAM Review.

Memberships

American Economic Association, Econometric Society, Int.Society for Bayesian Analysis.

Conference Co-Organizer

- 2014 NBER Summer Institute, Meeting of the work group on “Empirical Methods and Applications for DSGE Models”
- 2013 Philadelphia Fed / NBER Conference on Empirical Methods and Applications for DSGE Models
- 2013 NBER Summer Institute, Meeting of the work group on “Empirical Methods and Applications for DSGE Models”
- 2012 Atlanta Fed / NBER Conference on Empirical Methods and Applications for DSGE Models
- 2012 NBER Summer Institute, Meeting of the work group on “Empirical Methods and Applications for DSGE Models”
- 2011 Philadelphia Fed / NBER Conference on Empirical Methods and Applications for DSGE Models
- 2011 NBER Summer Institute, Meeting of the work group on “Empirical Methods and Applications for DSGE Models”
- 2010 Atlanta Fed / NBER Conference on Empirical Methods and Applications for DSGE Models
- 2010 NBER Summer Institute, Meeting of the work group on “Empirical Methods and Applications for DSGE Models”
- 2009 Philadelphia Fed / NBER Conference on Empirical Methods and Applications for DSGE Models
- 2009 NBER Summer Institute, Meeting of the work group on “Empirical Methods and Applications for DSGE Models”
- 2008 Cleveland Fed Conference on Empirical Methods and Applications for DSGE Models
- 2008 European Economic Association Meetings
- 2008 NBER Summer Institute, Meeting of the work group on “Empirical Methods and Applications for DSGE Models”
- 2007 Cleveland Fed Conference on Empirical Methods and Applications for DSGE Models
- 2007 NBER Summer Institute, Meeting of the work group on “Empirical Methods and Applications for DSGE Models”
- 2007 European Economic Association Meetings
- 2007 North American Econometric Society Meetings
- 2006 Cleveland Fed Conference on Empirical Methods and Applications for DSGE Models
- 2005 Cleveland Fed Conference on Empirical Methods and Applications for DSGE Models
- 2004 Cleveland Fed Conference on Empirical Methods and Applications for DSGE Models
- 2002 IGIER-PIER Conference on Econometric Methods in Macroeconomics and Finance

Seminars and Conference Presentations

- 2014: AEA Meetings (2 Presentations), IMF, Princeton University, EACBN-Bank of England Conference on Forecasting (London), Southern Methodist University, FRB St. Louis Econometrics Conference.
- 2013: ECARES (Brussels), National Bank of Belgium, UQAM, UCSD, USC, VALE-EPGE Global Economic Conference (Rio de Janeiro), XV Annual Inflation Targeting Seminar (Banco Central do Brasil), Bank of Italy, ESoBE Conference (Oslo, Norway), FRB Philadelphia Workshop on Advances in DSGE Modeling, ECB, Bank of Poland, Board of Governors, University of Bonn.
- 2012: AEA Meetings (3 Presentations), European Central Bank, Goethe University, FRB Kansas City, FRB Cleveland, NBER Summer Institute, Sloan Meetings on Macro and Financial Modeling, Columbia University Princeton Conference in Honor of Chris Sims, University of Pompeo Fabra, French Econometric Meetings in Rennes, Penn State University.
- 2011: University of British Columbia, Queens University, Princeton University, Harvard-MIT, Boston University, Yale Economics Reunion Conference, Macro Workshop at Yonsei University, CIGS Conference on Macroeconomic Theory and Policy, Joint Emory and FRB Atlanta Workshop, FRB-NBER DSGE Conference, Washington University in St. Louis, University of Rochester, (EC)2 Meetings in Florence, Bank of Canada Workshop on Forecasting and Nowcasting.
- 2010: University of Maryland, Yale University, FRB Chicago, Duke University, SETA Meetings, Monetary Authority of Singapore, Pompeo Fabra, Bocconi University, NBER Summer Institute, Econometric Society World Congress, Chicago Booth, IMF, Sveriges Riksbank, European Seminar on Bayesian Econometrics in Tinbergen
- 2009: Texas A&M University, Duke University, University of Pittsburgh, UC Riverside Conference on Business Cycles, University of Iowa Conference on Bayesian Econometrics, FRB San Francisco, American Statistical Association Meeting (Invited Paper), Canadian Econometric Study Group Meeting in Ottawa (Invited Speaker), Bank of Canada, Penn Econometrics Workshop, Wharton Macro Lunch, Vanderbilt University, Northwestern University, FRB Philadelphia
- 2008: NBER-EFG Meetings (February), UC Berkeley, UCL-Northwestern Econometrics Conference on Partial Identification, New York University, FRB Kansas City, Texas Monetary Conference, FRB Philadelphia, 4th Annual DYNARE Conference at FRB Boston, Conference on Alternative Models for Monetary Policy organized by Swiss National Bank, Boston College, Johns Hopkins University, Cornell University, Board of Governors, Princeton University.
- 2007: NBER Macroeconomics Annual Conference, New York University, Northwestern University, FRB Richmond Conference on Regime Switches and Structural Change in the Macroeconomy, USC, Pompeo Fabra Conference on How Much Structure in Macro Models, CEMFI, Johns Hopkins, Carnegie-Rochester Conference
- 2006: London School of Economics, Bank of England, Nuffield College, University of Southern California, Brown University, SBIES Conference in Iowa, Australasian Econometric Society Meetings, UT Austin, New York Area Money/Macro Conference, FRB San Francisco, UC Davis, CIREQ Time Series Conference in Montreal, EC2 Meetings in Rotterdam (invited speaker).

Seminars and Conference Presentations (Continued)

- 2005: University of Chicago, Conference in Honor of Chris Sims (Barcelona), NBER Macroannual Conference, FRB Atlanta, FRB Kansas City, Board of Governors, NBER Summer Institute, Duke University, Columbia University, Columbia University Conference on Quantitative Evaluation of Stabilization Policies, Cleveland Fed Conference on Empirical Methods and Applications for DSGE Models, Princeton University, Chicago Fed Conference on Price Stability
- 2004: FRB San Francisco Conference on Interest Rates and Monetary Policy (invited discussion), ASSA Meetings (San Diego), University of Montreal, FRB Richmond, NBER Summer Institute, EEA Meetings (Madrid), FRB Cleveland Conference on DSGE Models, ECB Conference on Monetary Policy and Uncertainty (Wuerzburg), New York University, Columbia University, Yale University, Stanford University, ECB
- 2003: Bank of England, University of Illinois, Rutgers University, New York University, FRB Philadelphia, FRB New York, Arizona State University, Penn State University, Bank of Canada Conference on Models for Monetary Policy (invited discussion), Sveriges Riksbank Conference on Small Structural Models for Monetary Policy, ECB/IMOP Workshop on Dynamic Macroeconomics, IMF, Lehigh University, Indiana University, FRB Atlanta Conference on Learning, FRB St. Louis, Bank of Canada, University of Kiel, ASSA Meetings (Washington, D.C.)
- 2002: UC Los Angeles, UC San Diego, Brown University, University of Maryland, Canadian Econometrics Study Group, University of Mannheim, European Econometric Society Meetings (Venice), CIRANO Conference on Forecasting (Montreal), ECB
- 2001: Humboldt University, FRB Atlanta, Boston College, European Econometric Society Meetings (Lausanne), Board of Governors of the Federal Reserve System, Econometrics Society Summer Meetings (Maryland), University of Illinois, University of Southern California, ISBA Regional Meeting (Laguna Beach), Midwest Macro Conference (Atlanta), Arizona State University, FRB Atlanta, ASSA Meetings (New Orleans)
- 2000: Princeton University, Econometrics Society World Congress (Seattle), NBER Summer Institute (Boston), University of Virginia, UC Irvine
- 1999: Cowles Foundation Time Series Conference (invited discussion), Rutgers University, University of Maryland, European Econometric Society Meetings (Santiago de Compostela), Joint Statistical Meetings (Baltimore)
- 1998: University of Toronto, Arizona State University, Johns Hopkins University, Cambridge University, Nuffield College, University of Pennsylvania

Invited Lectures at Large Conferences / Professional Meetings

- 2013: Australasian Meetings of the Econometric Society, paired invited lecture on "Sequential Monte Carlo Sampling for DSGE Models."
- 2012: Recent Theory and Applications of DSGE Models, invited lecturer and keynote speaker, Tinbergen Institute, Rotterdam.
- 2011: Theories and Methods in Macroeconomics in Montreal, keynote speaker. Asian Meetings of the Econometric Society, paired invited lecture on "DSGE Model-Based Forecasting"
- 2010: Econometric Society World Congress in Shanghai, paired invited lecture on "Estimation and Evaluation of DSGE Models: Progress and Challenges"
- 2007: North American Summer Meetings of the Econometric Society at Duke University, paired invited lecture on "Methods versus Substance: Measuring the Effects of Technology Shocks"
- 2006: Joint Statistical Meetings (ASA), invited JBES Lecture "On the Fit and Forecasting Performance of New Keynesian Models"

TEACHING ACTIVITIES

Courses Taught (by Subject)

- Undergraduate Econometrics (Economics 104, formerly Econ 220 and Econ 6)
- Undergraduate Topics in Econometrics: Forecasting (Economics 221)
- Honors Thesis Course (Economics 300)
- Graduate Econometrics I (Economics 705)
- Graduate Econometrics II: Time Series (Economics 706)
- Graduate Econometrics IV: Advanced Time Series (Economics 722)

Courses Taught (by Year)

- AY 2013/14: Fall semester: Econmics 705 (1/2); Spring Semester: Economics 722 (1/2) Economics 104.
- AY 2012/13: Fall semester: Econmics 705 (1/2); Spring Semester: Economics 722
- AY 2011/12: Fall semester: Econmics 705 (1/2); Spring Semester: Economics 722
- AY 2010/11: Spring semester: Economics 722
- AY 2009/10: Spring semester: Economics 104, Economics 722
- AY 2008/09: Fall semester: Economics 220, Economics 300; Spring semester: Economics 722, Economics 300
- AY 2007/08: Fall semester: Economics 300; Spring semester Economics 706, Economics 722, Economics 300
- AY 2006/07: Fall semester: Economics 300; Spring semester Economics 220, Economics 722, Economics 300
- AY 2005/06: Fall semester: Economics 300; Spring semester Economics 706

Dissertation Committee, Chair (or Co-Chair)

- Luigi Bocola (2014); starting Fall 2014: Northwestern University
- Dongho Song (2014); starting Fall 2014: Boston College
- Mark Bognanni (2013); starting Fall 2013: Federal Reserve Bank of Cleveland
- Han Chen (2013); starting Fall 2013: Board of Governors
- Edward Herbst (2011); first/current appointment: Board of Governors
- Cristina Fuentes-Albero (2010); first appointment: Rutgers University; current appointment: Board of Governors
- Leonardo Melosi (2010); joint with Frank Diebold; first appointment: London Business School; current appointment: Federal Reserve Bank of Chicago.
- Maxym Kryshko (2010): first/current appointment: International Monetary Fund.
- Taeyoung Doh (2007); first/current appointment: FRB Kansas City.
- Sungbae An, (2006); first/current appointment: Singapore Management University.

Dissertation Committee, Member

Marco Airaudo, Boragan Aruoba, Doron Avramov, Sean Campbell, Fei Chen, Lei Ji, Paul Labys, Bill Lu, Canlin Li, Andrea Mattozzi, Yasutomo Murasawa, Ryo Okui, Lubos Pastor, Hikaru Saijo, Yaye Sakho, John Schindler, Chiara Scotti, Clara Vega, Ginger Wu, Felipe Zanna.

SERVICE ACTIVITIES

Department of Economics

- Undergraduate Chair, since July 2011
- Member of Departmental Personnel Committee, 2008-2010
- Member of Graduate Examination Committee, 1998-2008
- Honors Thesis Committee Chair, 2005-2009
- Junior Recruiting Committee Co-Chair, since 2005
- Co-organizer of departmental econometrics workshop since Fall 1998.
- Graduate Admissions and Fellowships Committee, 1998-2002.
- Organized Econometrics Lunch for faculty and graduate students, Spring and Fall 2000.
- Faculty Advisor for undergraduate students majoring in economics, 1999-2000.

School of Arts and Sciences

- Member of SAS Personnel Committee, 2008-2010, 2011-2012
- Member of the Humanities and Social Science Panel (School of Arts and Sciences), 2005-2008
- Member of the Curriculum Committee (School of Arts and Sciences), 2003-2004
- Freshmen Advisor, Fall 1999 and Spring 2000.