Curriculum Vitae, Fabio Canova
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Personal Information

Citizenship:Italian, Spanish resident.
Date of Birth: 02-15-1956.
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Education

M.A. 1992 Brown University, Providence, RI, USA
Ph.D. 1988 Economics, University of Minnesota, Minneapolis, MN, USA
M.A. 1982 Economics, University of Southern California, Los Angeles, CA.,USA
Diploma 1981 Cinema and TV Production, Instituto Nazzareno, Carpi, Italy
Diploma 1980 Piano and Orchestra Direction, Conservatory of Music, Reggio Emilia, Italy
Laurea (BA) 1980 Economics, University of Modena, Modena, Italy

Research Interests

Quantitative Macroeconomics; Monetary Economics, Time Series Econometrics and Forecasting, International Business Cycles; Growth policies.

Professional Appointments

2008-Present Director, Budapest Training School for Central Bankers, Hungary.
2008-Present Chair in Macroeconomics, University of Bern, Bern, Switzerland
2005-Present ICREA Research Professor, Universitat Pompeu Fabra, Barcelona, Spain.
2005-2007 CREI Associate Research, Universitat Pompeu Fabra, Barcelona, Spain.
2003-2005 Research Professor, Igier Bocconi, Milan, Italy.
1997-2003 Professor, Universitat Pompeu Fabra, Barcelona, Spain.
1996-2002 Part-Time Professor, University of Southampton, United Kingdom.
1995-1999 Professor, Universita' di Modena, Italy.
1994-1997 Visiting Professor, Universitat Pompeu Fabra, Barcelona, Spain.
1994-1995 Professor, University of Catania, Italy.
1991-1994 Associate Professor, Brown University, USA.
1991-1993 Associate Professor, European University Institute, Italy.
1990-1991 Visiting Assistant Professor, University of Rochester, USA.
1987-1990 Assistant Professor, Brown University, USA.

Advising, Consulting and Shorter Visit

2008 Consultant, European Central Bank
2005-2008 Visiting Professor, HEI Genevra, Switzerland
2005-2007 Consultant, Bank of Spain (models development)
2005-2006 Consultant, European Central Bank (DSGE Task force)
2003-2006 Consultant, Bank of Italy (models development, estimation and forecasting)
2001-2002, 2006-2007 Visiting Professor, London Business School, London, UK.

2001, 2002, 2004 Visiting Scholar, Federal Reserve Bank of Atlanta, USA.
2002, 2004 Visiting Scholar, Riksbank, Sweden.
2001-2003 Consultant, Bank of England, UK (model development and forecasting activities).
2001, 2003 Visiting Scholar, Research Department, European Central Bank, Germany.
2000, 2003 Visiting Scholar, Research Department, IMF, USA.
2001 Visiting Professor, CEU, Budapest, Hungary.
1999-2000 Visiting Professor, Universita' di Napoli, Italy.
1999 Visiting Professor, Universidad Torquato Tella, Buenos Aires, Argentina.
1998 Visiting Professor, IIES, Stockholm University, Sweden.
1998 Visiting Professor, Central Bank of Hungary (Phare Program)(forecasting and monetary policy), Hungary.
1997 Visiting Professor, M.A.D, Paris I-Sorbone, France
1996 Visiting Fellow, European Forum, European University Institute, Italy
1994-1995 Visiting Associate Professor, University of Aarhus, Denmark.
1993-1994 Visitor, Institute for Empirical Macroeconomics, Federal Reserve of Minneapolis, USA.
1991-1993 Consultant for Forecasting Activities, Prometeia, Bologna, Italy.
1991 Lecturer, CIDE, Bologna, Italy.
1990 Consultant, Government of Indonesia as a part of the World Bank's Second Development Program (forecasting activities), Indonesia.
1989 Visiting Assistant Professor, CentER, Tilburg University, The Netherland.
1989 Visitor, Prometeia, Bologna, Italy.

Honors, Grants, and Fellowships

ICREA Research Professorship 2005-present
Top 100 Most Productive Economists, June 2001 (http://student.ulb.ac.be/ tcoupe/ranking.htlm)
Applied Econometric Hall of Fame, (Journal of Applied Econometrics, November 1999)
Econometric Hall of Fame (Econometric Theory, February 1998)
Spanish Ministry of Education Grant SEJ2005-21682-E (Cambios estructurales y politicas publicas), 2006-2008.
Spanish Ministry of Education Grant SEJ2003-03473-E (Innovacion, Gestion de Conocimiento y politicas publicas: enfoque micro y macro), 2003-2005.
2003-2005 DGICYT Grant on fiscal policy
2000-2002 DGICYT Grant on Monetary Policy
1999-2001 TRM Grant on Regional Integration and Growth
1998-2000 DGICYT Grant on Regional Integration in Europe
1996-98 Bilateral CNR grant on "Dynamics of Labor Markets in Southern European Countries"
1996 MURST 60% and MURST 40% Grants (Italian Ministry of Education)
1995-97 Spanish Ministry of Education Grant
1994-1995 Human Capital Mobility Grant on "Inference Using Simulation Techniques".
1994 Grant from the Spanish Ministry of Education.
1991-1993 European University Institute Grant on European Financial Markets.
1988, 1989, 1990 Watson Institute Travel Grant.
1987-1988 European Community Grant on Integration of Banking Systems.
1986-1987 Sloan Fellowship on Open Economy Macroeconomics.
1985 Department Fellowship, University of Minnesota.

Editorial Duties

2008-Editor, Journal of the European Economic Association.
1998-2002 Associate Editor,European Economic Review.
1997-2000 Associate Editor, Journal of Applied Econometrics.
1997-2000 Associate Editor, Investigationes Economicas.
1996-2000 Associate Editor, Macroeconomic Dynamics.
1994-1998 Editor, Journal of Forecasting.

Referee Activities

Econometrica, American Economic Review, Journal of Political Economy, Quarterly Journal of Economics, Review of Economic Studies, Journal of Monetary Economics, International Economic Review, Review of Economic Dynamics, Macroeconomic Dynamics, NSF, ESRC, SSHRCC, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Economic Dynamics and Controls, Review of Economic and Statistics, Journal of International Economics, Journal of International Money and Finance, Economica, Journal of Money Credit and Banking, Journal of Applied Econometrics, Econometric Journal, Economic Journal, Review of the European Economic Association, Journal of Economics Growth, Journal of Japanese and International Economics, European Economic Review, Econometric Journal, Oxford Bulletin of Economics and Statistics, Scandinavian Journal of Economics, Journal of Forecasting, International Journal of Forecasting, Economic Notes, Politica Economica, Ricerche Economiche, Investigationes Economicas, IMF Staff Papers, World Bank Economic Review

Publications

Refereed Publications

P.1) Structural dynamics of US output and Inflation: what caused the changes? (with L. Gambetti and E. Pappa), *Journal of Money, Banking and Credit*, 40, 2008, 369-388.
P.2) Price Dispersion in Monetary Unions: The role of Fiscal Policy (with E. Pappa), *Economic Journal*, 2007, 117, 713-737.
P.3) Similarities and Convergence of G-7 cycles (with M. Ciccarelli and E. Ortega), *Journal of Monetary Economics*, 2007, 54, 850-878.
P.4) The structural dynamics of Output and Inflation: An international comparison (con L. Gambetti and E. Pappa), *Economic Journal*, 2007, 117, C167-C191.
P.5) G-7 Inflation forecasts: Random walk, Phillips curve or what else? *Macroeconomic Dynamics*, 2007, 11(1), 1-30.
P.6) On the elusive costs and on the immaterial gains of fiscal restrictions (with E. Pappa), *Journal of Public Economics*, 2006, 90(8), 1391-1414.
P.7) Does it Cost to be virtuous? The macroeconomic effects of fiscal constraints (with E. Pappa), in Clarida, R., Frankel, J. , Giavazzi, F. and K. West(eds.) *NBER International Seminar on Macroeconomics, 2004*, National Bureau of Economic Research.
P.8) The transmission of US shocks to Latin America, *Journal of Applied Econometrics*, 2005, 20, 229-251.

P.9) Formulation, Estimation and Testing of Bayesian Panel VAR Models (with M. Ciccarelli), *Journal of Econometrics*, 2004, 120, 327-359.
P.10) Testing for Convergence Clubs: a predictive density approach, *International Economic Review*, 2004, 45, 49-77.
P.11) The Equity Premium and the Risk Free Rate: A Cross Country, Cross Maturity Examination (with G. De Nicolo'), 2003 *IMF staff papers*, 50(2), 250-285.
P.12) On Sources of cyclical fluctuations in the G-7 (with G. de Nicolo'), *Journal of International Economics*, 2003, 59, 77-100.
P.13) Does Colonialism Matters for Growth? (with G. Bertocchi), *European Economic Review*, 2002, 46, 1831-1851.
P.14) Monetary disturbances matters for business cycles fluctuations (with G. de Nicolo'), *Journal of Monetary Economics*, 2002, 49, 1131-1159.
P.15) Inequalities and Convergence; Reconsidering European Regional Policies (with M. Boldrin), *Economic Policy*, 2001, 32, 210-251.
P.16) Stock Return, Term Structure, Real Activity and Inflation: An International Perspective (with G. De Nicolo'), *Macroeconomic Dynamics*, 2000, 4 (3), 343-372.
P.17) The Macroeconomic Effects of German Unification: Real Variables and the Welfare State (with M. Ravn), *Review of Economic Dynamics*, 2000, 3(3), 423-460.
P.18) Reference Cycle and Turning Points: A Sensitivity to Detrending and Classification Rules, *Economic Journal*, 1999, 112, 117-142.
P.19) Sources and Propagation of International Cycles: Common Shocks or Transmission? (with J. Marrinan), *Journal of International Economics*, 1998, 42(1), 133-167
P.20) Detrending and Business Cycle Facts, *Journal of Monetary Economics*, 1998, 41(3), 475-512
P.21) Detrending and Business Cycle Facts, A User's Guide, *Journal of Monetary Economics*, 1998, 41(3), 533-541
P.22) Household Production and International Business Cycles (with A. Ubide), *Journal of Economics Dynamics and Control*, 1998, 22, 545-572
P.23) International Consumption Risk Sharing (with Morton Ravn), *International Economic Review*, 1996, 37(3), 573-602
P.24) Three Tests for the Existence of Cycles in Time Series, *Ricerche Economiche*, 1996, 50(2), 135-162.
P.25) Reconciling the Term Structure of Interest Rates with the Consumption Based ICAP Model (with Jane Marrinan), *Journal of Economic Dynamics and Control*, 1996, 709-739.
P.26) Are Seasonal Patterns Constant Over Time? A Test for Seasonal Stability (with Bruce Hansen), *Journal of Business and Economic Statistics*, 1995, 13, 237-252.
P.27) Stock Returns and the Business Cycle: A Structural Approach, (with Gianni De Nicolo'), *European Economic Review*, 1995, 39, 981-1017.
P.28) Sensitivity Analysis and Model Evaluation in Simulated Dynamic General Equilibrium Models, *International Economic Review*, 1995, 36, 477-501.
P.29) Predicting Returns in Financial Markets (with Jane Marrinan), *European Economic Review*, 1995, 39, 35-69.
P.30) Statistical Inference in Calibrated Models, *Journal of Applied Econometrics*, 1994, 9, S123-S145.
P.31) Are Seasonal Fluctuations Cyclical? (with Eric Ghysels), *Journal of Economic Dynamics and Control*, 1994, 18, 1143-1171.

P.32) Detrending and Turning Points, *European Economic Review*, 1994, 38, 617-627.
P.33) Were Financial Crises Predictable?, *Journal of Money, Banking and Credit*, 1994, 26, 102-123.
P.34) Profits, Risk and Uncertainty in Foreign Exchange Markets (with Jane Marrinan), *Journal of Monetary Economics*, 1993, 32, 259-286.
P.35) Trade Interdependence and the International Business Cycle (with Harris Dellas), *Journal of International Economics*, 1993, 34, 23-48.
P.36) Modelling and Forecasting Exchange Rates with a Bayesian Time Varying Coefficient Model, *Journal of Economic Dynamics and Control*, 1993, 17, 233-262.
P.37) Forecasting a Multitude of Time Series with Common Seasonal Patterns, *Journal of Econometrics*, 1993, 55, 173-202.
P.38) Price Smoothing Policies: A Welfare Analysis, *Journal of Monetary Economics*, 1992, 30, 255-277.
P.39) An Alternative Approach to Modelling and Forecasting Seasonal Time Series, *Journal of Business and Economic Statistics*, 1992, 10, 97-108.
P.40) An Empirical Analysis of ex-ante Profits from Forward Speculation in Foreign Exchange Markets, *Review of Economics and Statistics*, 1991, LXXIII, 489-496.
P.41) The Sources of Financial Panics: Pre and Post Fed Evidence, *International Economic Review*, 1991, 32, 689-713.
P.42) On the Time Varying Risk Premium in the Yen/Dollar Exchange Market (with Takatoshi Ito), *Journal of Applied Econometrics*, 1991, 6, 125-143.

Accepted for Publication
A.1) Estimating Multi-country VAR models (with M. Ciccarelli), forthcoming,*International Economic Review*.
A.2) What caused the Great Moderation: A structural analysis, forthcoming, *Journal of the European Economic Association*.
A.3) Structural changes in the US economy: Bad luck or bad policy?(with L. Gambetti), forthcoming, *Journal of Economic Dynamics and Control*.

Books
B.1) Methods for Applied Macroeconomic Research, Princeton University Press, 2007

Articles in Books
B.2) How much structure in empirical models, forthcoming, in T. Mills and K. Patterson (eds.)*Palgrave Handobook of Applied Econometrics*, 2008.
B.3) What VAR tell us about DSGE models (with J. Pina) in Diebolt, C. and Kyrtsou, C. *New Trends In Macroeconomic*, Springer Verlag, 2005.
B.4) Monetary policy in the Euro area: Lessons from five years of ECB and implications for Turkey (with C. Favero), 2005, in Bacsi, E., Togan, S., and Von Hagen, J. (eds.) *Macroeconomic Policies for EU Accession*.
B.5) Regional Policies and EU enlargement (with M. Boldrin) in B. Funck and L. Pizzauti (eds.) *EU Policies and Accession Countries*, 2003, World Bank
B.6) Regional Economic Convergence: Is European Regional Policy worth keeping? (with M.

Boldrin), in H. Van Hagen (ed.) *Regionalism in Europe: Geometries and Strategies after 2000*, 2001, Kluwer Academic Press
B.7) Testing Calibrated General Equilibrium Models (with E. Ortega), in R. Mariano, T. Schuerman and M. Weeks, *Inference Using Simulation Techniques*, Cambridge University Press, 1999
B.8) VAR Models: Specification, Estimation, Inference and Forecasting, in *The Handbook of Applied Econometrics*, volume 1, edited by H. Pesaran and M. Wickens, London: Basic Blackwell,1995.
B.9) The Economics of Vector Autoregressions, in *Macroeconometrics: Tensions and Prospects*, edited by K. Hoover, Amsterdam, Kluwer Publishers, 1995, 30-69 (with comment).
B.10) Evaluating a RBC Model (with Adrian Pagan and Mary Finn), in C. Hargreaves (ed.), *Nonstationary Time Series Analysis and Cointegration*, Oxford University Press, 1994, 225-255.
B.11) Calibration: A New Method for Statistical Inference?, in *Ricerche Quantitative per la Politica Economica*, Bank of Italy, SADIBA, 1994, 613-641 (in Italian).

Other Publications
O.1) Comment to Aoki, K. and Nikolov, K., "Rule based Monetary Policy under Central Bank Learning", *NBER International Seminar On Macroeconomics, 2004*, National Bureau of Economic Research.
O.2) Monitoring the European Central Bank 4 (with D. Begg, P. De Grauwe, A. Fatas and P. Lane), April 2002, CEPR; with update December 2002
O.3) Income dynamics in the 1980's *Il Mondo Economico*, November 29, 1997 (in Italian).
O.4) Another Crisis in the Fall, *Expansion*, October 31, 1997 (in Spanish).
O.5) Comment to A. Weber "Testing Long Run Neutrality", *Carnegie Rochester Conference Series on Public Policy*, 41, 1994, 119-125.
O.6) Foreign Exchange Rate Determination in Rational Maximizing Models (with Jane Marrinan), *Cuadernos Economicos*, 1993, 53, 145-172 (in Spanish).
O.7) Comment to U. Cherubini, C. Govino e R. Hamaui " Liquidity and Informational Efficiency in the market for BPT " in R. Hamaui (ed.) *Il Mercato dei Titoli di Stato in Italia*, Il Mulino, 1993 (in Italian).
O.8) On the Predictability of Risk Premia in Italian Lira (with Jane Marrinan), *Societa', Mercati e Impresa*, 1992, Fall, 177-212 (in Italian).
O.9) Profits, Risk and Uncertainty in Foreign Exchange Markets (with Jane Marrinan), *Papers and Proceedings AFFI*, Louvain 1991.
O.10) Reconciling the Term Structure of Interest Rates with the Consumption Based ICAP Model (with Jane Marrinan), *Papers and Proceedings AFFI*, Louvain, 1991, and *Papers and Proceedings EFA*, Rotterdam, 1991.
O.11) Banking Regulation and Monetary Policy: Issues in the European Economic Integration, *EEC occasional monograph, No 12*, 1989.

Revisions submitted
R.1) Monetary Policy and the Evolution of the US economy: Does Monetary Policy Matters, *Journal of Econometrics.*
R.2) The robust response of hours to technology shocks (with D. Lopez Salido and C. Michelacci), *Journal of Applied Econometrics.*
R.3) Back to square one: identification issues in DSGE models (with L. Sala), *Journal of Monetary*

Economics.
R.4) Do Expectations matter? The Great Moderation revisited (with L. Gambetti) *AEJ Macro.*

Submitted for publication
S.1) Schumpeterian technology shocks (with D. Lopez Salido and C. Michelacci)
S.2) Comment to Klinberger and Mavroeidis "Weak Instruments Robust Tests in GMM and the New Keynesian Phillips Curve"

Working papers
WP.1) Estimating DSGE models with raw data.
WP.2) Multiple filtering device for DSGE estimation (with F. Ferroni)
WP.3) Measurement with some theory: using sign restrictions to evaluate business cycle models (with M. Paustian).
WP.4) Do Political Events affect Business Cycles? (with E. Ortega, M. Ciccarelli)
WP.5) Crossing the Rio Grande: Migrations, Business Cycles and the Welfare State (with M. Ravn).
WP.6) The Poor Stay Poor: Non-convergence across Countries and Regions (with A. Marcet).
WP.7) Seasonalities in Foreign Exchange Markets, Brown working paper 8902 and CentER working paper 8917.
WP.8) An Analysis of the Disappearance of Interest Rates Seasonals: the Fed or Real Factors?, Brown University working paper 8802.

Professional Activities

Memberships
Member of the Scientific Board, EABCN, 2005-Present
Founding Member of the Applied Macroeconomic Network (AMeN), 2005-Present
Member of the Advisory Committee, Hydra Macroeconomics Conference, Greece,2003-Present
Member of European Dating Business Cycle Committee 2002-present
Member of the European Central Bank Monitoring Committee, 2001-2002
CEPR Fellow, 1992-Present

Program Committees/Conference Organization
Annual European Econometric Society meetings, Milan, August 2008, Budapest, August 2007, Vienna, August 2006; Madrid, August, 2005; Stockholm, August, 2004.
Business cycle Developments, Financial Fragility, Housing and Commodity Prices, Barcelona, November 2009
How much structure in empirical models, Barcelona, November, 2007
Estimation and Validation of DSGE models, Zurich, August 2006
Macroeconomics and Reality, 25 years later,Barcelona, April 2005;
World Congress of ICE, Morocco, July 2005
Annual Meeting ICEEE, Venice, January 2005.
Annual Meeting of the EEA, Bolzano, August, 2000; Maastricht, August, 1994.
Conference Recent Development in Macroeconomics and Finance, Barcelona, November 1996.

Conference on Stylized Business Cycle and Growth Facts, Hydra, Greece, April 1996.
Colloquia on Economic Theory, IGIER, Milan, Italy, June 1994.
Annual Meeting of the Society for Economic Dynamics and Control, Nauplio, Greece, June 1993.
Frontiers of Economic Research, IGIER, Milan, Italy, May 1993; May 1992.

Presentations at Conferences (2004-2008)
Macroeconomic Modelling (invited Speaker), Cartagena, Colombia, October 2008, Joint Research on DSGE models in CEMLA members (invited speaker), Lima, Peru, June 2008; ESSIM, Tarragona, Spain, May 2008; Monetary Policy in Open economies, Federal Reserve Bank of Australia, December 2007; Expectations and Monetary Policy, Swiss National Bank, Switzerland, September 2007; On the sources of Macroeconomic Stability, Bank of England, UK, September 2007; CRETE, Naxos, Greece, July 2007; North American Summer Econometric Society Meetings, Raleigh, June 2007 (invited lecture) Dynamic Adjustments within the EMU, Frankfurt, March 2007; International Macroeconomic Conference, Valencia, September 2006 (invited presentation); Second Conference in honor of Carlo Giannini, Brescia, June 2006 (invited presentation); Hydra Macroeconomic Conference, June 2006, ESSIM, Tarragona, May 2006, New development in Economic Forecasting, Frankfurt, May 2006; Royal Economic Association meeting, Nottingham, April 2006 (invited lecture) Macroeconomics of DSGE models, Paris, June 2005; Turkey and the EU, Ankara, May 2005 (invited presentation); ESSIM 2005, Cyprus, May 2005; Konstanz Seminar in Monetary Economics, Konstanz, May 2005; Macroeconomics and Reality, 25 years later,Barcelona, April 2005; Monetary transmission in the New and Old Members of the EU, Budapest, Hungary, October 2004 (invited lecture); New methods for Applied Macro Research, September 2004, Federal Reserve Bank of Cleveland; ISOM Conference, Rejkiawik, Island, June 2004; Fiscal and Monetary Policy in the EU, Helsinki, May 2004;

Recent Seminar Activities (2004-2008)
2008 ECB, Bank of Hungary, Czech National Bank, University of Zurich, CERGE, ECARES, Bank of England, BIS.
2007 Singapore Management University, UCLA, USC, University of Indiana, Bank of Canada, University of Bern, Bilkent University, Bank of Turkey, Fed Board.
2006: CREI, Genevra, IIES Stockholm, Riksbank, Banco de Argentina, Bank of Portugal.
2005: Bank of England (2), Southampton, Bank of Belgium, ECB, University of Athens, Bocconi, Swiss National Bank.
2004: Fed of Atlanta, QMUL, Ente Einaudi, Carlos III, University of Lausanne, Central Bank of Austria, Institute of Advance Studies, University of Venice, Bank of Italy, Oxford, Bank of Canada

Teaching Services

Graduate:
Stochastic Processes (F-1994, W-1997) Macroeconometrics I (S,F-1988, S-1990, W-1995, W-1997, W-2000), Macroeconometrics II (F-1989, S-1994), Advanced Econometrics (F-1995, F-1999), Topics in Theoretical Macroeconomics (S-1992), Topics in Applied Macroeconomics (S-1993), Macrofinance (F-1995), Monetary Economics (F-1993, W-1998, W-1999, F-1999, W-2002), Topic in Monetary Economics (S-2002) Financial Economics (S-1992), International Economics (F-1992), Open Economy Macroeconomics (W-1996), Econometrics and Time Series Methods (S-1989, S-1999,

W-2002, F-2002, W-2003, W-2005, W-2006, W-2007), Bayesian Methods for Macroeconomics (W-2004, W-2005, W-2006), Macroeconomics II (W-2006), Applied methods for Macroeconomics and Finance (F-2005), Topic in Macroeconomics (F-2005), Applied Macroeconometrics (S-2008),

Shorter Graduate Courses
Open Economy Macroeconomics and Finance, May 1989, University of Bologna; Dynamic Open Economy Macroeconomics, February 1996; May 1997; May 1998; May 1999, February 2001, University of Southampton; Measuring International Business Cycles, December 1999, University of Porto; Econometric Methods, University of Surabaya, Surabaya, June 1990; Topics in Applied Macroeconometrics, May 1993, University of Venice; Introduction to Macroeconometric Methods, March 1998, Central European Univeristy, Budapest; May 1999, University of Naples; Methods for Applied Macro Research, February 2001, January 2002 University of Porto; September 2003, Bicocca University Milan; The Econometrics of Financial Markets, June 1991, University of Bologna; Monetary Transmission Mechanism, November 1999, Di Tella University, Buenos Aires; October 2001, Central European University, Budapest; May 2003 University of Bergen; Advance Macroeconomics, Fall 2005, HEI Geneva; Applied Macroeconometrics, Fall 2005, Spring 2007, Spring 2008, HEI Geneva.

Summer Schools
Barcelona Summer School in Macroeconomics : International Business Cycles, June 1999; Methods for Applied Research, June 2000, June 2001, June 2002, June 2003, July 2004; Bayesian VARs and DSGE models, July 2005; Estimation of DSGE models, July 2006, July 2007, DSGE Models: Methods and Problems, July 2008.
EEA summer School: Calibration techniques for business cycle analysis, Paris, September 1998
Easter School of the Royal Economics Association: Monetary policy and Business cycles, Birmingham, April 2003;
CFS Summer School: Monetary Economics, Frankfurt, August 2003;
ZEI Summer School: Applied methods for monetary economics, Bonn, July 2004.
Budapest Center for Central Banking Studies: Fiscal and Monetary policy interaction, Budapest, September 2008.

MBA:
Understanding International Macroeconomics (S-2002, F-2002, F-2006) (LBS), Macroeconomics (W-2003) (UPF), Macroeconomics (F-2004) (Bocconi)

Undergraduate:
International Economics (Summer 1985), International Finance (F-1985, W-S-1986), Intermediate Macroeconomics (F-1987; S,F-1988; S,F-1990), Analysis of Financial Investments (S-1989), Financial Markets II (F-1989), Financial Markets: Concepts and Institutions (F-1990); Econometrics (June 1990, S-1995, F-1996, S-1998), Econometrics II (F-1997, W-1999), Financial Markets I (F-1993, S-1994), Political Economy II (S-1996)

International Institutions:
UK Foreign Office: Introductory/ Intermediate Macroeconomics, London, January 2002; April 2002; June 2002; October 2002; November 2002.

UK Treasury: Introductory Macroeconomics June 2002, London, November 2002.
ECOFIN: Methods to study the effects of fiscal policy, Bruxelles, April 2005

Central Banks:
Bank of Indonesia: Econometric Methods, June 1990, Jakarta
Bank of Hungary : Empirical Models of Money, June 1998, Budapest .
Bank of Hungary : Advanced Macroeconometric Techniques; August 1998, Budapest.
European Central Bank: Bayesian VAR and Bayesian techniques, July 2002 Frankfurt.
European Central Bank; Estimation of DSGE models, August 2006, Frankfurt.
Bank of England: Introduction to Bayesian methods and techniques, February 2003, London.
Bank of Italy: Estimation methods for DSGE models, June 2004, Rome
EABCN network: Bayesian Methods for VARs and DSGE models, January 2004, Milan
Swedish Riksbank: Bayesian methods for DSGE models, August 2004, Stockholm
Bank of Canada: Estimation methods for DSGE models, September 2004, Ottawa
Bank of Canada: Evaluating and Forecasting with DSGE models, August 2007, Ottawa
Bundesbank: Bayesian Methods for VARs and DSGE models, August 2005, Frankfurt
Banco de Argentina: Bayesian methods for DSGE models, April 2006, Buenos Aires.
Swiss National Bank: Bayesian methods for DSGE models, April 2006, Zurich.
Banco de Espana: Estimation of DSGE models, April 2007, Madrid.
Banco de Portugal: Forecasting with DSGE models, July 2007., Lisbon
Banco do Brazil: Bayesian methods for DGSE models, August, 2007, Brasilia.
Reserve Bank of South Africa: Methods for applied macroeconomics, June 2008, Pretoria.
Central Bank of Peru, DSGE Methods and Problems, June 2008, Lima
Central Bank of Isreal, DSGE methods and problems, January 2009, Jerusalem
Genserzee Central Banks school: Monetary Economics, June 2005; September 2006, September 2007, August 2008, Genserzee.

Thesis Supervision Gon Yung Park, Brown University, completed 1990 (placed: University of Kentucky); Maria Lucia Stefani, European University Institute, completed 1995 (placed: Bank of Italy); Kathy Wakelin, European University Institute, completed 1995 (placed: University of Nottingham); Enrique Alberola, European University Institute, completed 1995 (placed: Bank of Spain); Angel Ubide, European University Institute, completed 1995 (placed: IMF) ; Eva Ortega, European University Institute, completed 1998 (placed: Bank of Spain); Carlo Devillanova, Universitat Pompeu Fabra, completed 1998 (placed: Bocconi University); Ferdinando Regalia, Universitat Pompeu Fabra, completed 1999 (placed: Inter-American Development Bank); Joaquim Pina, Universitat Pompeu Fabra, completed 2001 (placed: Bank of Portugal); Matteo Ciccarelli, Universitat Pompeu Fabra, completed 2001 (placed: University of Alicante); Stefano Neri, Universitat Pompeu Fabra, completed 2003 (placed: Bank of Italy); Alessandro Secchi, Universitat Pompeu Fabra, completed 2005 (placed: Bank of Italy); Luca Gambetti, Universitat Pompeu Fabra, completed 2006 (placed Universitat Autonoma Barcelona), Michele Caivano, Universitat Pompeu Fabra, 2007 (placed: Bank of Italy), Filippo Ferroni, UPF, Arturo Ormeno, UPF, Ronald Ingold, Bern.