

Curriculum Vitae Javier J. Pérez

Contact information

Work address

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Personal Details

Born in Seville, Spain, on January 15, 1971.

Education and professional record

- 10/2008– **Public Sector and Fiscal Policy Unit Manager**, Department of Economic Analysis and Forecasting, DG Economics, Research and Statistics, **Bank of Spain**, Madrid, Spain.
- 10/2007–09/2008 **Principal Economist**, Fiscal Policies Division, Directorate General Economics, **European Central Bank**, Frankfurt am Main, Germany.
- 02/2006–09/2007 **Senior Economist-Statistician**, Fiscal Policies Division, Directorate General Economics, **European Central Bank**, Frankfurt am Main, Germany.
- 10/2001–01/2006 **Senior Research Officer**, Foundation *Centro de Estudios Andaluces (centrA)*, Regional Government of Andalusia, Seville, Spain,

Associate Professor, Dep. of Economics, **U. Pablo de Olavide**, Seville, Spain.
- 10/1999–09/2001 **Economist-Statistician**, Fiscal Policies Division, Directorate General Economics, **European Central Bank** (10/1999-12/1999: *Research Analyst*).
- 07/1996–09/1999 **Ph. D. in Economics** (defense: July 2000), **U. Complutense**. *Best Thesis in Economics 1999/2000 U. Complutense Award*. Adviser: Prof. Alfonso Novales.

Assistant Professor, Dep. of Quantitative Economics, **U. Complutense**, Madrid.

Coordinator of **International Economics Team: ICAE and ERISTE**, Madrid.
- 09/1994-06/1996 **Doctoral Programme in Economics**, joint programme of the dep. of Quantitative Economics and Economic Analysis of the U. Complutense, and Instituto Complutense de Análisis Económico (ICAE) (*Doctorado de Calidad*).
- 10/1989–06/1994 **Degree (Licenciado) in Economics**, Universidad Complutense de Madrid, Spain.

Publications

Papers in refereed journals and recent refereed Working Papers

1. “Should quarterly government finance statistics be used for fiscal surveillance in Europe?”, **International Journal of Forecasting** in press. Elsevier, Netherlands. *Co-authors*: Diego J. Pedregal, Javier J. Pérez.
2. “The usefulness of infra-annual government cash budgetary data for fiscal forecasting in Europe”. **Journal of Policy Modeling** in press. Elsevier, Netherlands. *Co-authors*: Luca Onorante, Diego Pedregal, Javier J. Pérez, Sara Signorini.
3. “Short-term monitoring of the Spanish government balance”, **Journal of the Spanish Economic Association** (accepted in **Spanish Economic Review**), in press. Springer, Germany. *Co-authors*: Teresa Leal, Diego J. Pedregal, Javier J. Pérez.
4. Comments on “A Rational Expectations Model for Simulation and Policy Evaluation of the Spanish Economy”, **Journal of the Spanish Economic Association** (accepted in **Investigaciones Económicas**), in press. Springer, Germany. *Author*: Javier J. Pérez.
5. “Is there a signalling role for public wages? Evidence for the euro area based on macro data”, **Working Paper Series of the European Central Bank**, in press. *Co-authors*: Javier J. Pérez, A. Jesús Sánchez (revised and resubmitted to journal).
6. “A quarterly fiscal database for the euro area based on intra-annual fiscal information”, **Working Paper Series of the European Central Bank**, No 1132, December 2009. *Co-authors*: Joan Paredes, Diego J. Pedregal, Javier J. Pérez.
7. “Fiscal policy shocks in the euro area and the US: an empirical assessment”, **Working Paper Series of the European Central Bank**, No 1133, December 2009. *Co-authors*: Pablo Burriel, Francisco de Castro, Daniel Garrote, Esther Gordo, Joan Paredes, Javier J. Pérez.
8. “Análisis de las desviaciones presupuestarias aplicado al caso del presupuesto del Estado”, **Working Paper Banco de España**, No. 0933, December 2009. *Co-author*: T. Leal, J. J. Pérez.
9. “Public and private sector wage interactions in a general equilibrium model”, **Working Paper Series of the European Central Bank**, n. 1099, October 2009. *Co-authors*: Gonzalo Fernández-de-Córdoba, Javier J. Pérez, José Luis Torres.
10. “Un sistema ARIMA con agregación temporal para la previsión y el seguimiento del déficit del Estado”, **Hacienda Pública Española/ Revista de Economía Pública** 190, pp. 27-58, March 2009. *Co-authors*: Teresa Leal, Javier J. Pérez.
11. “Alternatives to initialize the Parameterised Expectations Algorithm”, **Economics Letters** 102, pp. 116-118, February 2009. Elsevier, Netherlands. *Co-authors*: Javier J. Pérez and A. Jesús Sánchez.
12. “The trade-off between debt reduction and automatic stabilisation”, **Economic Modelling** 26, pp. 464-472, January 2009. Elsevier. *Co-authors*: Paul Hiebert, Javier J. Pérez and Massimo Rostagno.
13. “Fiscal forecasting: lessons from the literature and challenges”. **Fiscal Studies** 29, pp. 347-386, December 2008. Blackwell Publishing Ltd., United Kingdom. *Co-authors*: Teresa Leal, Javier J. Pérez, Mika Tujula and Jean-Pierre Vidal.

14. “Public and private sector wages: co-movement and causality”, *Working Paper Series of the European Central Bank*, n. 963, November 2008. Co-authors: Ana Lamo, Javier J. Pérez and Ludger Schuknecht (revised and resubmitted to journal).
15. “Economic analysis of the Spanish port sector reform during the 1990s”. *Transportation Research A: Policy and Practice* 42, pp. 1056–1063, October 2008. Elsevier, Netherlands. Co-authors: José Ignacio Castillo, Lourdes López Valpuesta and Javier J. Pérez.
16. “Leading indicators for euro area government deficits”, *International Journal of Forecasting* 23, pp. 259–275, April-June 2007. Elsevier, Netherlands. Author: Javier J. Pérez.
17. “Robust stylized facts on co-movement for the Spanish economy”, *Applied Economics* 37, pp. 453–462, March 2005. Routledge Press, United Kingdom. Co-authors: Francisco J. André, Javier J. Pérez.
18. “Monitorización de objetivos fiscales anuales: una aplicación con datos regionales”, *Investigaciones Regionales* 7, pp. 53–67, November 2005. Ed. Spanish Association of Regional Science. Co-authors: Teresa Leal and Javier J. Pérez.
19. “Identifying endogenous fiscal policy rules for macroeconomic models”, *Journal of Policy Modeling* 26, pp. 1073–1089, December 2004. Elsevier, Netherlands. Co-authors: Javier J. Pérez, Paul Hiebert.
20. “A log-linear homotopy approach to initialize the Parameterized Expectations Algorithm”, *Computational Economics* 24, pp. 59–75, August 2004. Kluwer Academic Press, Netherlands. Author: Javier J. Pérez.
21. “Is it worth refining linear approximations to non-linear rational expectations models?”, *Computational Economics* 23, pp. 343–377, June 2004. Kluwer Academic Press, Netherlands. Co-authors: Alfonso Novales and Javier J. Pérez.
22. “Análisis dinámico de la relación entre ciclo económico y ciclo del desempleo: una aplicación regional”, *Investigaciones Regionales* 1, pp. 141–162, June 2003. Ed. Spanish Association of Regional Science. Co-authors: Javier J. Pérez, Jesús Rodríguez and Carlos Usabiaga.
23. “Computing white stylized facts on co-movement”, *Economics Letters* 76, pp. 65–71, June 2002. Co-authors: Francisco J. André, Ricardo Martín and Javier J. Pérez. Elsevier, Netherlands.

Books and book chapters

24. “Optimal debt under a deficit constraint”. Chapter 13 in **The Stability and Growth Pact. The Architecture of Fiscal Policy in EMU**, A. Brunila, M. Buti and D. Franco (Eds.), 2001. Palgrave Publisher. Co-authors: Massimo Rostagno, Paul Hiebert and Javier J. Pérez.
25. “Designing model-based fiscal policy rules”. Chapter 4 in **Fiscal rules**, F. Balassone, D. Franco (Eds.), 2001. Ed. Banca d'Italia, Rome, Italy. Co-authors: Paul Hiebert and Javier J. Pérez.
26. “Solving nonlinear rational expectations models by eigenvalue–eigenvector decompositions”. Chapter 4 in **Computational Methods for the Study of Dynamic Economies**, R. Marimón, A. Scott (Eds.), 1999. Oxford University Press, United Kingdom. Co-authors: Alfonso Novales, Emilio Domínguez, Jesús Ruiz and Javier J. Pérez.
27. “Reglas fiscales, control presupuestario y predicción fiscal”, pp. 15-33 in **Temas de Análisis Económico**. J. L. Torres (Ed.), Ed. Instituto de Análisis Económico y Empresarial de Andalucía, Málaga, Spain. March 2006. Author: Javier J. Pérez.

28. **Análisis de los efectos de la nueva regulación portuaria sobre los puertos gallegos.** Ed. *Instituto Universitario de Estudios Marítimos*, La Coruña, Spain. Monografías 1/2006. Co-authors: J. I. Castillo, L. López-Valpuesta, F. González-Laxe and Javier J. Pérez.
29. **Cuestiones Clave de la Economía Española. Perspectivas Actuales 2004.** José Ignacio García, Javier J. Pérez (coords.). Ed. *Centro de Estudios Andaluces*, Sevilla, Spain, September 2005.
30. “Mecanismos de supervisión multilateral y previsiones presupuestarias en el marco europeo de política fiscal”, pp. 109-132 in **Cuestiones Clave de la Economía Española. Perspectivas Actuales 2004.** J. I. García, J. J. Pérez (coord.). Ed. *Centro de Estudios Andaluces*, Sevilla, Sep 2005. Author: Javier J. Pérez.
31. “Solución numérica de problemas de control estocástico en economía”, *Recta* 2, pp. 311-331, 2004. Ed. Asepuma, Madrid, Spain. Special issue of the journal on “**Optimization under uncertainty**”, Alonso, Cerdá, Escudero, Sala (coords.). Co-authors: A. Novales, E. Domínguez, J. Ruiz, J. J. Pérez.
32. “Pautas cíclicas de la economía andaluza en el período 1984-2000: un análisis comparado”, Chapter 3 in **Economía y sociedad andaluza**, J. Auriolés, E. Manzanera (Eds.). Ed. *Comares*, Granada, Spain. February 2004. Co-authors: Teresa Leal, Javier J. Pérez and Jesús Rodríguez.
33. **Métodos Numéricos de Solución de Modelos no Lineales bajo Expectativas Racionales. Aplicación al Estudio de la Interacción de Reglas Monetarias y Fiscales.** Ed. Servicio de Publicaciones de la *Universidad Complutense de Madrid*, Spain. 2003. Author: Javier J. Pérez.
34. “Robert Lucas y nuestra visión actual de los problemas económicos”. Chapter 6 in **Historias que merecieron el Nobel**, pp. 129-143, 2002. Ed. *Comares*, Granada, Spain. Author: Javier J. Pérez.
35. “A Multifactor Sector Model for the Stock Market: Evidence from Spain”, pp. 139-164 in **Economía Financiera**, vol. II, Ed. *Fundación BBV*, Bilbao, Spain, 1998. Co-authors: Francisco J. André, Luis E. Nuño and Javier J. Pérez.

Other publications

36. “Algunas consideraciones sobre los efectos macroeconómicos de los salarios y del empleo de las Administraciones Públicas”, *Boletín Económico del Banco de España*, September 2009 issue, pp. 58-73. Co-authors: Marta Botella, Pablo Hernández de Cos, Javier J. Pérez.
37. “Pros and cons of various fiscal measures to stimulate the economy”, *Bank of Spain Economic Bulletin*, July 2009. Co-authors: C. Bouthevillain, J. Caruana, C. Checherita, J. Cunha, E. Gordo, S. Haroutunian, A. Hubic, G. Langenus, B. Manzke, J. J. Pérez and P. Tommasino.
38. “Análisis del impacto de las leyes de 1992 y 1997 sobre el sistema portuario español”, *Boletín Económico ICE* 2871, pp.44–59, March 2006. Co-authors: J. I. Castillo, L. López and J. J. Pérez.
39. “Los determinantes del gasto de las familias: análisis y evidencia regional”, pp. 2-11 in **El gasto y el endeudamiento de las familias españolas**, Temas de Actualidad 02/2005. Ed. Centro de Estudios Andaluces, Sevilla, Spain. Author: Javier J. Pérez.
40. “El problema de la inflación en España: Presentación”. In **Cuestiones clave de la economía española. Perspectivas actuales 2001**, J. Auriolés, E. Manzanera (coords.), pp. 121-123, 2002. Ed. Pirámide, Madrid. Author: Javier J. Pérez.
41. “Forecasting the General Government Deficit in the Euro Area: the Role of Fiscal Leading Indicators”, *Discussion Papers of the European University Institute* 2003-6/PWC, Florence, Italy.

42. “¿Está en crisis el Pacto de Estabilidad y Crecimiento?”. *Revista informA*. Número: julio/septiembre **2002**. Ed. Fundación Centro de Estudios Andaluces (centRA), Sevilla.
43. “Mejorando la obtención de condiciones iniciales para modelos dinámicos mediante el método de parametrización de expectativas”. In **Libro de Actas del VI Encuentro de Jóvenes Investigadores de Analise Economica**, Ed. Fundación Pedro Barrie de la Maza, Spain, **2000**. *Author*: Javier J. Pérez.
44. “Monetary Policy Rules and Inflation Volatility Under Fiscal Constraints”. *Documento de Trabajo Instituto de Estudios Económicos de Galicia* 12, **1999**. Ed. Fundación Pedro Barrie de la Maza. *Author*: Javier J. Pérez.
45. **ICAE report on the Spanish Economy**. A. Novales y C. Sebastián (Eds.), Ed. Instituto Complutense de Análisis Económico (ICAE-CERSA), Madrid, Spain. Contributions to Chapter 8 (International). **Number 10** (March **1999**); **Number 9** (October **1998**); **Number 8** (March **1998**); **Number 7** (October **1997**); **Number 6** (October **1996**).
46. **Informe mensual ERISTE sobre la economía española**. Grupo ERISTE (dirigido por A. Novales y C. Sebastián), noviembre **1995** - septiembre **1999**.
47. “A Comparison and Evaluation of some Alternative Solution Methods to Dynamic Stochastic Models”, *Documento de Trabajo del Instituto Complutense de Análisis Económico*, n. 9809, **1998**.
48. “Further Evidence on the Effects of the Hodrick-Prescott Filter: A Montecarlo Experiment”. En **Libro de Actas del II Encuentro de Jóvenes Investigadores de Analise Economica**, Ed. Fundación Pedro Barrie de la Maza, Spain, **1996**. *Co-authors*: Franciso J. André, Ricardo Martín and J. J. Pérez.
49. Contributions to newspapers: **Diario de Sevilla**: “¿Converge la economía andaluza a la media Europea?”, 05/02/**2006**; “El endeudamiento crece: ¿hay burbuja inmobiliaria?”, 22/01/**2006**; “¿Seguirán subiendo los tipos por el IPC?”, 8/01/**2006**; “¿Existen riesgos para la actual situación económica?”, 11/12/**2005**; “Las cuentas públicas y el debate territorial”, 27/11/**2005**; “La tasa de ahorro de las familias”, 13/11/**2005**; “El diferencial de inflación se amplía”, 23/10/**2005**.

Work in progress

- “Crowding-in or crowding-out? Employment in the public and the private sector in the OECD”, draft available, August 2009. *Co-authors*: Ana Lamo, Javier J. Pérez, A. Jesús Sánchez.
- “Are government forecasts different? Empirical evidence and political economy arguments”, ongoing. *Co-authors*: Marta Botella, Rossana Merola, Javier J. Pérez.
- “Revision patterns in euro area fiscal data”, ongoing. *Co-authors*: de Castro, Pérez, Rodríguez.
- “Measuring Uncertainty of Fiscal Projections”, ongoing. *Co-authors*: Onorante, Pérez.
- “Detrending and robustness of business cycle stylized facts”, ongoing. *Co-authors*: Pérez, JL Torres.

Other academic activities

Presentations in conferences, workshops and seminars (selection)

- Jornadas de Política Económica, Granada, October 2009.
- Lecture, Summer School of the University of the Basque Country, San Sebastian, July 2009.
- Internal seminar, Bank of Spain, Madrid, July 2009.
- Invited Seminar, European Central Bank, Frankfurt am Main, May 2009.
- 1st Macroeconomic Forecasting Conference, Rome, March 2009.
- XXXIII Simposio de Análisis Económico, Zaragoza, December 2008.

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- EU Fiscal Policy Support to Bosnia and Herzegovina Conference, Sarajevo, July 2008.
- Invited Seminar, European Commission (DG-ECFIN), Brussels, May 2008.
- International Symposium on Forecasting, New York, June 2007.
- VI Workshop in International Economics, Málaga, March 2007.
- International Symposium on Forecasting, Santander, June 2006.
- Lecture, Universidad Internacional Menéndez y Pelayo, November 2005
- International Conference on Policy Modeling, Istanbul, June 2005.
- Bulgarian National Bank Conference, Varna, May 2005.
- XXX Reunión de Estudios Regionales, Barcelona, November 2004.
- XXVIII Simposio de Análisis Económico, Seville, December 2003.
- National Tax Association Meeting, Chicago, November 2003.
- Invited Seminar, European University Institute, Florence, February 2003.
- Invited Seminar, Regional Institute of Statistics of Andalusia, Seville, December 2002.
- Invited Seminar, Universidad Nacional de Educación a Distancia, Madrid, November 2002.
- Workshop Monitoring and Forecasting Public Finance, Seville, September 2002.
- European Economic Association Meeting, Venice, August 2002.
- International Symposium on Forecasting, Dublin, June 2002.
- Invited Seminar, European Central Bank, May 2002.
- CEPR/CREI Workshop New Developments in Fiscal Policy Analysis, Barcelona, May 2002.
- 2001 Workshop on Macroeconometric Modelling Advances, Frankfurt am Main, July 2001.
- 75th Int. Conference on Policy Modelling for European and Global Issues, Brussels, July 2001.
- 5th Conference on Macroeconomic Analysis and International Finance, Crete, May 2001.
- 3rd Banca d'Italia Workshop on Fiscal Rules, Perugia, Italy, February 2001.
- 6º Encontro de Xovenes Investigadores de Analise Economica, Vigo, Spain, July 2000.
- IXª Summer School of the European Economic Association, Paris, September 1998.
- III Workshop on Dynamic Macroeconomics, Castelo de Soutomaior, Galicia, July 1998.
- III Jornadas de Economía Financiera, Bilbao, June 1998.
- I Encuentro de Economía Aplicada, Barcelona, June 1998.
- Jornadas de Macroeconomía Dinámica, Madrid, March 1998.
- Invited Seminar, Fundación de Estudios de Economía Aplicada (FEDEA), May 1998.
- XXI Simposio de Análisis Económico, Barcelona December 1996.
- 2º Encontro de Xóvenes Investigadores de Analise Economica, La Coruña, September 1996.

Teaching experience - University

• **University Pablo de Olavide of Sevilla, Spain.**

Academic year **2006/07**: *Intermediate Macroeconomics*, Degree on Business Administration.

Academic year **2005/06**: *Intermediate Macroeconomics*, Degree on Business Administration.

Academic year **2002/03**: *Intermediate Macroeconomics*, Degree on Business Administration.

Academic year **2001/02**: *Intermediate Macroeconomics*, Degree on Business Administration.

• **Universidad Complutense de Madrid.**

Academic year **1998/99**: *Advanced Macroeconomics*, Degree on Economics.

Academic year **1997/98**: *Advanced Macroeconomics*, Degree on Economics.

Academic year **1996/97**: *Intermediate Econometrics*, Degree on Business.

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Teaching experience - Msc Programmes

- *Master (Msc.) en Análisis de Políticas Públicas*, Universidad Pablo de Olavide, Sevilla, Spain. April-June **2009**. Lectures on: “Applied macroeconomics and forecasting” (24 hrs).
- *Master (Msc.) en Análisis de Políticas Públicas*, Universidad Pablo de Olavide, Sevilla, Spain. June **2008**. Lectures on: “Applied macroeconomics and forecasting” (24 hrs).
- *Ph. D. Economics program U. Nacional del Sur*, Bahía Blanca, Argentina. July **2007**. Lectures on: “Topics of fiscal and monetary policy” (30 hrs).
- *Master (Msc.) “Experto en economía del sector público”* organized by the Basque Country Government, the University of the Basque Country and the Instituto de Economía Pública, Bilbao, Spain. October-December **2005**. Lectures: “Macroeconomía aplicada” (20 hrs).
- *Master (Msc.) on “Quantitative Economic Analysis”*, University of Huelva, Spain. June **2004**. Lectures: “Macroeconomía aplicada” (20 hrs).
- *Master (Msc.) de “Economía financiera y bancaria”*, University of Sevilla, Spain. March **2004**. Lectures: “Applied Econometrics” (2.5 horas).
- *Lecturer: Regional Statistics Institute of Andalusia (IEA)*, Sevilla, Spain, **2002**. Lectures: “Applied Econometrics: the role of the user of Official Statistics” (10 horas).
- *Master (Msc.) “Análisis Económico y Economía Financiera”*, Instituto Complutense de Análisis Económico, Universidad Complutense de Madrid. Academia course **1998/1999**. Lectures: “Forecasting and monitoring: case studies” (10 horas).

Refereeing

Fiscal Studies; Economic Modelling ; Applied Economics ; IIE Proc. Generation, Transmission and Distribution; Transportation Research A: Policy and Practice; National Tax Journal; Revista de Economía Aplicada; Revista de Economía Pública/Hacienda Pública Española; Investigaciones Regionales; Revista de Estudios Regionales; Revista Colombiana de Estadística; Working Paper Series European Central Bank; Working Paper Series IVIE; Working Paper Series centA.

Organization of seminars and workshops (selection)

- Session organizer: “Fiscal forecasting”, *International Symposium Forecasting*, Santander, June **2006**.
- Seminar programme of *Centro de Estudios Andaluces (Macro and Macro aspects of public finance)*. **2002, 2003, 2004 y 2005**. Organizer.
- *International Workshop The State of the Art in Regional Modelling*. Sevilla, October **2004**. Co-organizer: A. Bayar (Free University of Brussels and Ecomod Network).
- *III International Workshop Monitoring and Forecasting Public Finances*. Sevilla, February **2004**. Co-organizer: D. Franco (Bank of Italy).
- *XXVIII Simposio de Análisis Económico*. Sevilla, December **2003**. Member of the local committee.
- *II International Workshop Monitoring and Forecasting Public Finances*. Sevilla, October **2003**. Co-organizers: D. Franco (Banca d’Italia) and M. Artis (EUI).
- *Métodos cuantitativos para el análisis de la coyuntura*, Curso Magistral de la Universidad Internacional Menéndez y Pelayo, Sevilla, May 2002. Lecturer: A. Novales (U. Complutense).
- *BeMAD 2002 - Workshop on Dynamic Macroeconomics*. Sevilla, October **2002**. Co-organizer
- *Bayesian Econometrics*, Curso Magistral Universidad Internacional Menendez y Pelayo, Sevilla, October **2002**. Lecturer: Albert Marcet (U. Pompeu Fabra).
- *I International Workshop Monitoring and Forecasting Public Finances*. Sevilla, September **2002**. Co-organizers: D. Franco (Banca d’Italia) and M. Artis (EUI).

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- *I Jornadas Cuestiones clave de la economía española: perspectivas actuales, 2001*. Sevilla, December 2001. Co-organizer.

Ph. D. and Msc. Thesis Advisor/Co-advisor

- *PhD. Thesis: "Essays on public spending: a computational approach"*. A. Jesús Sánchez (U. Pablo de Olavide, Seville, Spain). 18 September 2009 (co-advisor: Diego Martínez, U. Pablo de Olavide).
- *PhD. Thesis: "Previsión y seguimiento de las cuentas económicas del Sector Público: aspectos generales y aplicación al caso de las Administraciones Públicas españolas"*. Teresa Leal Lineares (U. de Huelva, Huelva, Spain). Expected: 18 January 2010.
- *Msc. Thesis: "¿Es el IPI la mejor proxy de la actividad económica?, un análisis comparado para el caso de los ciclos económicos regionales"*. Francisco J. Sánchez Rodino. Máster en Economía y Evaluación del Bienestar, U. Pablo de Olavide. December 2009 (co-advisor: A. Jesús Sánchez).

Participation in Ph. D. Thesis committees

- *"Methods for extracting information from financial markets"*. Lucia Cuadro (Banco de España). March 2008. Member of the committee (secretario).
- *"Wage and labor mobility in Spain and other european countries: the incidence of job instability on worker's earnings"*. Yolanda Rebollo Sanz (UPO). June 2005. Member of the committee (suplente).
- *"Reducción de la jornada laboral en el Mercado de trabajo español: un enfoque de equilibrio general"*. Idoia Zabaleta Arregui (UPN). November 2004. Member of the committee (suplente).
- *"Essays on the Transmission Mechanism of Monetary Policy"*. Julius Moschitz (UAB). September 2004. Member of the committee (vocal).
- *"Riesgo y rentabilidad en los mercados financieros internacionales: un análisis empírico"*. Antonio Díez de los Ríos (BBVA). April 2004. Referee.
- *"A Theory of Target Zones"*. Jesús Rodríguez López (UPO). July 2003. Member of the committee (suplente).

Participation in collective research projects with external funding

- *The Role of Information and Communication Technologies in the Economic Growth of the Andalusian region: A Descriptive Approach*. Project 150333-2005-F1SD ES, **European Commission** (IPTS, DG ECFIN), **2006** (main researcher, resignation before inception due to change of country of residence).
- *Efectos de las Políticas Fiscales y Sociolaborales sobre el Crecimiento Económico y el Mercado de Trabajo*. Proyecto SEJ 2006-04803, **Ministerio de Educación y Ciencia**. **2006-2008** (member).
- *Grupo de Investigación en Econometría Financiera y Macroeconometría*, **Universidad Complutense de Madrid**. **2004-2005** (member).
- *Proyecto SEJ433 del Plan Andaluz de Investigación*, concedido por la **Junta de Andalucía**. 2003-05 (main researcher **2004-2005**, member **2003-2004**).
- *Políticas públicas en el marco de la Unión Europea: efectos sobre el mercado de trabajo y el crecimiento económico*. Project SEC 2003-04028/C. **2004-2006**, **Ministerio de Educación y Ciencia**. **2006-2008** (member).
- *Grupo de Trabajo de Macroeconomía*. Fundación Centro de Estudios Andaluces, **Junta de Andalucía**. **2002-2004** (main researcher).
- *Coordinación óptima de política fiscal y política monetaria: implicaciones cíclicas y efectos sobre el crecimiento a largo plazo*. Project PB98-0831, **Min. de Educación y Ciencia**. **1999-2002** (member).
- *Análisis econométrico de los efectos de la economía real sobre los rendimientos de la Bolsa de Madrid*. Project DGICYT PB93-1277, **Ministerio de Educación y Ciencia**. **1994-1997** (member).

Individual research grants

- **Fundación Caja de Madrid.** Grant Doctoral B. Area of Financial Markets. **1998.**
- **Ministerio de Educación y Ciencia.** July **1995** - October **1996.** Programa Sectorial de Formación de Profesorado Universitario y Personal Investigador. Ref. #: AP94 27311462.
- **Beca Complutense Predoctoral en España.** April **1995** - June **1995.** U. Complutense de Madrid.
- **Instituto Complutense de Análisis Económico** (Beca Predoctoral en España de Formación de Personal Investigador). October **1994** - March **1995.** Universidad Complutense de Madrid.

Additional education

- *Learning and Expectations Formation.* EABCN, Hachenburg, Germany, 19-23 October **2009.** Lecturers: Albert Marcet (LSE), Klaus Adam (U. Mannheim).
- *Using DSGE Models for Quantitative Business Cycle Analysis.* EABCN and Banco de España. Madrid. 3-7 March **2008.** Professor: L. Christiano (Northwestern University).
- *A Primer in the Estimation of Dynamic Macroeconomic Models.* Banco Central Europeo. Frankfurt am Main, Germany. 6-10 March **2006.** Professor: Jesús Fernández-Villaverde (U. Pennsylvania)
- *State Space Modelling.* Summer School of centra. Frigiliana (Málaga). 26-30 July **2004.** Professors: S. J. Koopman (U. Amsterdam) and T. Proietti (U. Udine).
- *Summer School in Theoretical and Applied Economics: Inequality, Welfare and Redistribution.* Universidad de las Islas Baleares, Palma de Mallorca. 25-29 de junio de **2001.** Organizador: A. Spadaro (Universidad de las Islas Baleares).
- *State Space Modelling with Applications to Business Cycle Analysis.* XI European Economic Association Summer School. EUI, Florence, September **2000.**
- *European Business Cycles.* IX European Economic Association Summer School. Paris, September **1998.** Organiser: F. Portier (University of Toulouse).
- *An Introduction to Fractional Programming: Theory, Methods and Applications.* ICAE-ICEI, Madrid, October **1997.** Professor: I. Stancu-Minassian (Academy of Science, Romania).
- *Computational Methods for the Study of Dynamic Economies,* VII European Economic Association Summer School. EUI, Florence, September **1996.** Organiser: R. Marimon.
- *Política Económica en Tiempos de Crisis,* El Escorial, Madrid, June **1994.** Cursos de Verano de la Universidad Complutense de Madrid. Profesor: F. Modigliani (MIT).
- *Análisis Microeconómico Aplicado a la Economía del Sector Público,* Madrid, **1991–1992.** Programa de Seminarios de Hacienda y Economía del Sector Público, U. Complutense.

Other

- Referee for ANECA, as of May 2009.
- ANECA: Profesor Contratado Doctor, June 2004.
- Member of the Board of the “Facultad de CC Económicas y Empresariales”, U. Complutense de Madrid (Assistant professors’ representative). 1998-1999.
- Member of the “Comisión de Reforma del Plan de Estudios” of the Degree on Business, Facultad de CC Económicas y EE, U. Complutense de Madrid. 1998-1999.