

## Curriculum Vitae

### Javier J. Pérez

*I am currently Head of the Fiscal Policies Unit of the Research Department of the Bank of Spain. Before, I was Principal Economist at the Fiscal Policies Division of the European Central Bank and Associate Professor at University Pablo de Olavide (Seville, Spain) and University Complutense (Madrid, Spain). I hold a Ph. D. in Economics from the latter university (with distinction). My research interests include macroeconomics, fiscal policies, political economy, economic forecasting and European integration. In these fields I have published in international journals, as well as in journals in Spanish and national and international books. While the bulk of my work time is devoted to policy-related activities and research, I also lecture regularly in Msc programmes.*

#### Contact information

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##### Work address

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##### Personal Details:

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

#### Education and professional record

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- Since 10/2008**      **Bank of Spain**, Madrid, Spain - **Public Sector and Fiscal Policy Unit Manager**, Directorate General Economics, Research and Statistics (*Servicio de Estudios*).
- 02/2006–09/2008**      **European Central Bank**, Frankfurt am Main, Germany - **Principal Economist** (10/2007-09/2008), **Senior Economist** (02/2006-09/2007), Fiscal Policies Division, Directorate General Economics.
- 10/2001–01/2006**      **Universidad Pablo de Olavide de Sevilla**, Seville, Spain - **Associate Professor**, Department of Economics.
- centrA** (Foundation *Centro de Estudios Andaluces*), Seville, Spain - **Senior Research Officer**, Regional Government of Andalusia.
- 10/1999–09/2001**      **European Central Bank**, Frankfurt am Main, Germany - **Economist**, Fiscal Policies Division, DG Economics, (*10-12/1999: Research Analyst*).
- 07/1996–09/1999**      **Universidad Complutense de Madrid**, Madrid, Spain.
- Ph. D. in Economics** (defense: July 2000). Best Ph. D. Thesis in Economics 1999/2000 Award (Universidad Complutense). Adviser: Prof. Alfonso Novales.
- Assistant Professor**, Department of Quantitative Economics.
- Team leader, International Economics area**, semi-annual reports of Instituto Complutense de Análisis Económico (ICAE), monthly reports of ERISTE Team.
- 09/1994-06/1996**      **Doctoral Programme in Economics**, joint programme of the Department of Quantitative Economics, the Department of Economic Analysis and the ICAE (*Awarded national "Doctorado de Calidad"*), Univ. Complutense de Madrid.
- 10/1989–06/1994**      **Degree (Licenciado) in Economics**, University Complutense of Madrid, Spain.

## **Publications**

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- 2012** “Public and private sector wages interactions in a general equilibrium model”. **Public Choice**, 150, pp. 309-326, January. Gonzalo Fernández-de-Córdoba, Javier J. Pérez and José Luis Torres.
- “Public or private sector wage leadership? An international perspective”, **Scandinavian Journal of Economics**, *forthcoming*. Ana Lamo, Javier J. Pérez and Ludger Schuknecht.
- “The cyclicalities of consumption, wages and employment of the public sector in the euro area”, **Applied Economics**, *forthcoming*. Ana Lamo, Javier J. Pérez, Ludger Schuknecht.
- “Are government wages interlinked with private sector wages?”, **Journal of Policy Modeling**, *forthcoming* Ana Lamo, Javier J. Pérez and Ludger Schuknecht.
- “The PEA-toolbox, a Matlab model-independent implementation of the Parameterized Expectations Algorithm”. In William D. Nelson (Ed.), **Advances in Business and Management**, volume 3, chapter 9, pp. 177-196, Nova Publishers, New York, January 2012. Javier J. Pérez and A. Jesús Sánchez.
- 2011** “Análisis de las desviaciones presupuestarias aplicado al caso del presupuesto del Estado”. Teresa Leal and Javier J. Pérez. **Estudios de Economía Aplicada**, 29, pp. 901-915, December 2011.
- “Is there a signalling role for public wages? Evidence for the euro area based on macro data”, **Empirical Economics**, 41, pp.421–445, September 2011. Javier J. Pérez and A. Jesús Sánchez.
- “Short-term monitoring of the Spanish government balance”, **SERIEs-Journal of the Spanish Economic Association**, 2, pp. 97-119, January 2011. Teresa Leal, Diego J. Pedregal, Javier J. Pérez.
- “The public sector pay gap in a selection of euro area countries”, **European Central Bank Working Paper Series**, No 1406, December 2011. Raffaella Giordano, Domenico Depalo, Manuel Coutinho Pereira, Bruno Eugène, Evangelia Papapetrou, Javier J. Perez, Lukas Reiss, and Mojca Roter.
- “Monitoring sub-central government spending in Spain”. **Banco de España Working Paper Series**, No 1127, October 2011. Laura Fernández-Caballero, Diego J. Pedregal, Javier J. Pérez.
- “Fiscal data revisions in Europe”. **European Central Bank Working Paper Series**, No 1342, May 2011. Francisco de Castro, Javier J. Pérez, Marta Rodríguez.
- 2010** “Should quarterly government finance statistics be used for fiscal surveillance in Europe?”, **International Journal of Forecasting** 26, pp. 794-804, October 2010. Diego J. Pedregal, Javier J. Pérez.
- “Fiscal policy shocks in the euro area and the US: an empirical assessment”, **Fiscal Studies** 31, pp. 251–285, June 2010. Pablo Burriel, Francisco de Castro, Daniel Garrote, Esther Gordo, Joan Paredes, Javier J. Pérez.
- Discussion of the paper “A rational expectations model for simulation and policy evaluation of the Spanish economy”, **SERIEs-Journal of the Spanish Economic Association** 1, pp. 171-173, February 2010. Springer, Germany. Javier J. Pérez.
- “La política fiscal discrecional en tiempos de crisis”, **Presupuesto y Gasto Público**, 59, pp. 83-103, 2010. Francisco de Castro, Esther Gordo, Javier J. Pérez.
- “The usefulness of infra-annual government cash budgetary data for fiscal forecasting in Europe”, **Journal of Policy Modeling** 32, pp. 98-119, January 2010. Elsevier, Netherlands. Luca Onorante, Diego J. Pedregal, Javier J. Pérez, Sara Signorini.
- “Public wages in the euro area: towards securing stability and competitiveness”, **ECB Occasional Paper Series**, n. 112, June 2010. *Co-authors*: Fédéric Holm-Hadulla, Kishore Kamath, Ana Lamo, Javier J. Pérez, and Ludger Schuknecht.
- 2009** “The trade-off between debt reduction and automatic stabilisation”, **Economic Modelling** 26, pp. 464-472, January 2009. Paul Hiebert, Javier J. Pérez and Massimo Rostagno.
- “Alternatives to initialize the Parameterised Expectations Algorithm”, **Economics Letters** 102, pp. 116-118, February 2009. Javier J. Pérez and A. Jesús Sánchez.
- “Un sistema ARIMA con agregación temporal para la previsión y el seguimiento del déficit del Estado”, **Hacienda Pública Española** 190, pp. 27-58, March 2009. Teresa Leal, Javier J. Pérez.

- “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, Javier J. Pérez and P. Tommasino.
- “Algunas consideraciones sobre los efectos macroeconómicos de los salarios y del empleo de las Administraciones Públicas”, **Boletín Económico del Banco de España**, September 2009, pp. 58-73. Marta Botella, Pablo Hernández de Cos, Javier J. Pérez.
- 2008** “Fiscal forecasting: lessons from the literature and challenges”. **Fiscal Studies** 29, pp. 347-386, December 2008. Teresa Leal, Javier J. Pérez, Mika Tujula and Jean-Pierre Vidal.
- “Economic analysis of the Spanish port sector reform during the 1990s”. **Transportation Research A: Policy and Practice** 42, pp. 1056–1063, October 2008. José I. Castillo, Lourdes López and Javier J. Pérez.
- 2007** “Leading indicators for euro area government deficits”, **International Journal of Forecasting** 23, pp. 259–275, April-June 2007. Elsevier, Netherlands. Javier J. Pérez.
- 2006** “Análisis del impacto de las leyes de 1992 y 1997 sobre el sistema portuario español”, **B.E. Información Comercial Española** 2871, pp.44–59, March. Castillo, López, Pérez.
- “Reglas fiscales, control presupuestario y predicción fiscal”, pp. 15-33 in **Temas de Análisis Económico**. J. L. Torres (Ed.), Ed. *Ins. de Análisis Económico y Empresarial de Andalucía*, Málaga. March 2006. J J Pérez.
- Análisis de los efectos de la nueva regulación portuaria sobre los puertos gallegos**. Ed. *Instituto Univ. de Estudios Marítimos*, La Coruña. Monografías 1/2006. JI Castillo, L López, F. González-Laxe and JJ Pérez.
- 2005** “Robust stylized facts on co-movement for the Spanish economy”, **Applied Economics** 37, pp. 453–462, March 2005. Francisco J. André, Javier J. Pérez.
- “Monitorización de objetivos fiscales anuales: una aplicación con datos regionales”, **Investigaciones Regionales** 7, pp. 53–67, November 2005. Teresa Leal, Javier J. Pérez.
- “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. Javier J. Pérez.
- Cuestiones Clave de la Economía Española. Perspectivas Actuales**. José Ignacio García, Javier J. Pérez (coords.). Ed. *Centro de Estudios Andaluces*, Sevilla, Spain, September 2005.
- “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**. J. I. García, J. J. Pérez (coord.). Ed. *Centro de Estudios Andaluces*, Sevilla, September 2005. Javier J. Pérez.
- 2004** “Identifying endogenous fiscal policy rules for macroeconomic models”, **Journal of Policy Modeling** 26, pp. 1073–1089, December 2004. Javier J. Pérez, Paul Hiebert.
- “A log-linear homotopy approach to initialize the Parameterized Expectations Algorithm”, **Computational Economics** 24, pp. 59–75, August 2004. Javier J. Pérez.
- “Is it worth refining linear approximations to non-linear rational expectations models?”, **Computational Economics** 23, pp. 343–377, June 2004. Alfonso Novales and Javier J. Pérez.
- “Solución numérica de problemas de control estocástico en economía”, pp. 311-331 in “**Optimization under uncertainty**”, Alonso, Cerdá, Escudero, Sala (coords.), Ed. Asepuma, Madrid, Spain. 2004. A. Novales, E. Domínguez, J. Ruiz, J. J. Pérez.
- “Pautas cíclicas de la economía andaluza en el período 1984-2000: un análisis comparado”, Chapter 3 in **Economía y sociedad andaluza**, J. Aurióles, E. Manzanera (Eds.). Ed. *Comares*, Granada, Spain. February 2004. Teresa Leal, Javier J. Pérez and Jesús Rodríguez.
- 2003** “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.

**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. Javier J. Pérez.

2002 “Computing white stylised facts on co-movement”, *Economics Letters* 76, pp. 65–71, June 2002. *Co-authors*: Francisco J. André, Ricardo Martín and Javier J. Pérez.

“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. Javier J. Pérez.

“El problema de la inflación en España: Presentación”. **Cuestiones clave de la economía española. Perspectivas actuales**, J Auriolés, E Manzanera (coords.), pp. 121-123, 2002. Pirámide, Madrid. JJ Pérez.

2001 “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. Massimo Rostagno, Paul Hiebert and Javier J. Pérez.

“Designing model-based fiscal policy rules”. Chapter 4 in **Fiscal rules**, F. Balassone, D. Franco (Eds.), 2001. Ed. Banca d'Italia, Rome, Italy. Paul Hiebert and Javier J. Pérez.

1999 “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. A. Novales, E. Domínguez, J. Ruiz and J. J. Pérez.

1998 “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. F. J. André, Luis E. Nuño and Javier J. Pérez.

1996 “Further Evidence on the Effects of the Hodrick–Prescott Filter: A Montecarlo Experiment”. En **II Encuentro de Jóvenes Investigadores de Análisis Económico**, Ed. Fundación Pedro Barrié de la Maza, Spain, 1996. Francisco J. André, Ricardo Martín and J. J. Pérez.

#### Papers under revision in journals

“Fiscal data revisions in Europe”, *revise and resubmit* in Journal. F. de Castro, J. J. Pérez, M. Rodríguez.

“Monitoring sub-central government spending in Spain”, *revise and resubmit* in Journal. Laura Fernández-Caballero, Diego J. Pedregal, Javier J. Pérez.

“A quarterly fiscal database for the euro area based on intra-annual fiscal information”, *revise and resubmit* in Journal. Joan Paredes, Diego J. Pedregal, Javier J. Pérez.

#### Other publications

- **ICAE report on the Spanish Economy**. A. Novales y C. Sebastián (Eds.), Instituto Complutense de Análisis Económico (ICAE), 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).
- **Informe mensual ERISTE sobre la economía española**. Grupo ERISTE (dirigido por A. Novales y C. Sebastián), noviembre 1995 - septiembre 1999.
- 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.

#### Teaching experience

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##### University

- **Universidad Pablo de Olavide de Sevilla**, Seville, 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**, Madrid, Spain.

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.

**Msc Programmes**

**2011** Master (Msc.) en Análisis de Políticas Públicas, **Universidad Pablo de Olavide**, Seville, Spain. April-June. Lectures on: “Applied macroeconomics and forecasting” (16 hrs).

Master (Msc.) in Macroeconomic Policy and Financial Markets, **Barcelona Graduate School in Economics**. May. Lectures on: “Fiscal forecasting” (4 hrs).

**2010** Lecturer: **Regional Statistical Institute of Andalusia**, Seville, Spain. December. Lectures on: “Leading indicators and forecasting” (24 hrs).

Curso de capacitación 30 años de Convergencia Macroeconómica en la UE, 1979-2010: Lecciones para el Mercosur, **Universidad Carlos III de Madrid**, Spain. 18 October. Lecture: “La UEM y la coordinación de las políticas fiscales” (3 hrs).

Master (Msc.) en Análisis de Políticas Públicas, **Universidad Pablo de Olavide**, Seville, Spain. June. Lectures on: “Applied macroeconomics and forecasting” (24 hrs).

Master (Msc.) in Macroeconomic Policy and Financial Markets, **Barcelona Graduate School in Economics**. April. Lectures on: “Fiscal policy issues” (4 hrs).

**2009** Master (Msc.) en Análisis de Políticas Públicas, **Universidad Pablo de Olavide**, Seville, Spain. April-June. Lectures on: “Applied macroeconomics and forecasting” (24 hrs).

**2008** Master (Msc.) en Análisis de Políticas Públicas, **Universidad Pablo de Olavide**, Seville, Spain. June. Lectures on: “Applied macroeconomics and forecasting” (24 hrs).

**2007** Ph. D. Economics program, **Universidad Nacional del Sur, Bahía Blanca, Argentina**. July. Lectures on: “Topics of fiscal and monetary policy” (30 hrs).

**2005** 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. Lectures: “Macroeconomía aplicada” (20 hrs).

**2004** Master (Msc.) on “Quantitative Economic Analysis”, **University of Huelva**, Huelva, Spain. June. Lectures: “Macroeconomía aplicada” (20 hrs).

Master (Msc.) de “Economía financiera y bancaria”, **University of Sevilla**, Seville, Spain. March. Lectures: “Applied Econometrics” (2.5 hrs).

**2002** Lecturer: **Regional Statistical Institute of Andalusia** (IEA), Sevilla, Spain. Lectures: “Applied Econometrics: the role of the user of Official Statistics” (10 hrs).

**1999** Master (Msc.) “Análisis Económico y Economía Financiera”, ICAE, **Universidad Complutense de Madrid**. Academic course 1998/1999. Lectures: “Forecasting and monitoring: case studies” (10 hrs).

**Presentations in conferences, workshops and seminars (selection)**

**2012** Encuentro de Economía Pública, Santiago de Compostela (January).

**2011** Moneda y Crédito Symposium, Madrid (November) / European Economic Association Conference, Oslo (August) / International Symposium on Forecasting, Prague (June) / Seminar, Universidad Autónoma de Madrid (April) / 13<sup>th</sup> Banca d’Italia Workshop on Fiscal Rules, Perugia, Italy (March) / Encuentro de Economía Pública, Málaga (February).

**2010** 4th Workshop on Political Economy, IFO Dresden (November) / 5th Meeting of the Network of Public Finance Economists in Public Administration, European Commission, Brussels (October) / ESCB-WGPF Technical Workshop, Frankfurt am Main (September) / International Symposium on Forecasting, San Diego (June) / Encuentro de Economía Pública, Murcia (January).

- 2009** Lecture at Universidad de Castilla la Mancha, Ciudad Real (December) / Jornadas de Política Económica, Granada (October) / Lecture, Summer School of the University of the Basque Country, San Sebastian (July) / Invited Seminar, European Central Bank, Frankfurt am Main (May) / 1st Macroeconomic Forecasting Conference, Rome (March).
- 2008** XXXIII Simposio de Análisis Económico, Zaragoza (December) / EU Fiscal Policy Support to Bosnia and Herzegovina Conference, Sarajevo (July) / Seminar, European Commission (DG-ECFIN), Brussels, (May).
- 2007** International Symposium on Forecasting, New York (June) / International Conference on Policy Modeling, Sao Paulo (July) / VI Workshop in International Economics, Málaga (March).
- 2006** International Symposium on Forecasting, Santander (June).
- 2005** Lecture, Universidad Internacional Menéndez y Pelayo (November) / International Conference on Policy Modeling, Istanbul (June) / Bulgarian National Bank Conference, Varna (May).
- 2004** XXX Reunión de Estudios Regionales, Barcelona (November).
- 2003** XXVIII Simposio de Análisis Económico, Seville (December) / National Tax Association Meeting, Chicago, (November) / Seminar, European University Institute, Florence (February).
- 2002** Seminar, UNED, Madrid, November 2002 / Workshop Monitoring and Forecasting Public Finance, Seville (September) / International Symposium on Forecasting, Dublin (June) / Seminar, European Central Bank, (May) / CEPR/CREI Workshop New Developments in Fiscal Policy Analysis, Barcelona (May).
- 2001** Workshop on Macroeconometric Modelling Advances, Frankfurt am Main (July) / 5th Conference on Macroeconomic Analysis and International Finance, Crete (May) / 3<sup>rd</sup> Banca d'Italia Workshop on Fiscal Rules, Perugia, Italy (February).
- 2000** 6º Encontro de Xóvenes Investigadores de Analise Economica, Vigo (July).
- 1998** IXª Summer School of the European Economic Association, Paris (September) / III Workshop on Dynamic Macroeconomics, Castelo de Soutomaior, Galicia (July) / III Jornadas de Economía Financiera, Bilbao (June) / I Encuentro de Economía Aplicada, Barcelona (June) / Jornadas de Macroeconomía Dinámica, Madrid, (March) / Seminar, FEDEA (May).
- 1996** XXI Simposio de Análisis Económico, Barcelona (December) / 2º Encontro de Xóvenes Investigadores de Analise Economica, La Coruña (September).

## **Other academic activities**

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

- **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, Universidad de Huelva, Huelva, Spain. 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. Msc en Economía y Evaluación del Bienestar, U. Pablo de Olavide. December **2009** (co-advisor: A. Jesús Sánchez).
- **PhD. Thesis (European Doctorate):** “Essays on public spending: a computational approach”. A. Jesús Sánchez (U. Pablo de Olavide, Seville, Spain). 18 September **2009** (co-advisor: Diego Martínez, UPO).

### **Participation in Ph. D. Thesis committees**

- “Methods for extracting information from financial markets”. Universitat de Valencia. 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”. U. Pablo de Olavide. 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”. U. Pública de Navarra. Idoia Zabaleta Arregui (UPN). November **2004**. Member of the committee (suplente).
- “Essays on the Transmission Mechanism of Monetary Policy”. Universitat Autònoma de Barcelona. Julius Moschitz (UAB). September **2004**. Member of the committee (vocal).

- “Riesgo y rentabilidad en los mercados financieros internacionales: un análisis empírico”. Universidad de Málaga. Antonio Díez de los Ríos (BBVA). April **2004**. Referee.
- “A Theory of Target Zones”. Universidad Pablo de Olavide. Jesús Rodríguez López (UPO). July **2003**. Member of the committee (suplente).

### Refereeing

*Public Choice; Journal of Macroeconomics; Contemporary Economic Policy; 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 centra; ANECA.*

### Organization of seminars and workshops (selection)

- Session organizer: “Fiscal forecasting”, International Symposium Forecasting, Santander, June **2006**.
- Seminar programme of Centro de Estudios Andaluces. **2002, 2003, 2004 y 2005**. Co-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).
- I Jornadas Cuestiones clave de la economía española: perspectivas actuales, 2001. Sevilla, December **2001**. Co-organizer.

### 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 May 2009 – May 2011.
- 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.