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PERSONAL

Born: October 17, 1971 in Terrassa, Spain.

Citizenship: Spain (U.S Permanent Resident)

EDUCATION

Ph.D. Economics, University of Minnesota, December 2001.

M.Sc. Economics and Finance, CEMFI, Madrid, Spain, June 1997.

B.A. Economics, UAB, Barcelona, Spain, June 1995.

EMPLOYMENT

Associate Professor (with tenure), **Duke University**, since 2006.

Permanent Visiting Scholar, **FRB Atlanta**, since 2006.

Economist and Associate Policy Advisor, **FRB Atlanta**, 2005-2006.

Economist and Assistant Policy Advisor, **FRB Atlanta**, 2001-2005.

Research Assistant, **FRB Minneapolis**, 2000-2001.

Teaching Assistant, **University of Minnesota**, 1999-2000.

HONORS AND AWARDS

Richard Stone Prize in Applied Econometrics 2004/2005.

Bank of Spain Graduate Fellowship, 1997-2001.

CEMFI Scholarship, CEMFI, Spain 1995-1997.

RESEARCH GRANTS

2007-2010 **National Science Foundation** Grant, "New Bayesian Methods for the Estimation of DSGE Models".

2004-2005 **BBVA Foundation** Grant, "Labor Markets Optimal Policy".

2000-2003 **University of Minnesota Supercomputer Institute**, Principal User, project "Computation and Estimation of Dynamic General Equilibrium Models with Microeconomic Heterogeneity".

RESEARCH

Refereed Publications

[1] "Structural Vector Autoregressions: Theory of Identification and Algorithms for Inference" (2009) with Daniel F. Waggoner (Federal Reserve Bank of Atlanta) and Tao Zha (Federal Reserve Bank of Atlanta), *Review of Economic Studies*, forthcoming.

[2] "Comparing New Keynesian Models in the Euro Area: A Bayesian Approach" (2008) with Pau Rabanal (IMF), *Spanish Economic Review*, 10, pp. 23-40.

[3] "Estimating Macroeconomic Models: A Likelihood Approach" (2007) *Review of Economic Studies*, 74, pp. 1059-1087 with Jesús Fernández-Villaverde (UPenn).

[4] "A, B, C's (and D)'s for Understanding VARs" (2007) *American Economic Review*, 97, pp. 1021-1026, with Jesús Fernández-Villaverde (UPenn), Thomas Sargent (NYU and Hoover Institution), and Mark Watson (Princeton University).

[5] "On the Solution of the Growth Model with Investment-Specific Technological Change" (2007) *Applied Economic Letters*, 14, 549-554, with Jesús Fernández-Villaverde (UPenn).

[6] "Comparing Solution Methods for Dynamic Equilibrium Economies" (2006) *Journal of Economic Dynamics and Control*, 30, pp. 2447-2508 , with S. Borağan Aruoba (University of Maryland) and Jesús Fernández-Villaverde (UPenn).

[7] "Solving DSGE Models with Perturbation Methods and a Change of Variables" (2006) *Journal of Economic Dynamics and Control*, 30, pp. 2509-2531, with Jesús Fernández-Villaverde (UPenn).

[8] "Convergence Properties of the Likelihood of Computed Dynamic Models" (2006) *Econometrica*, 74, pp 93-119, with Jesús Fernández-Villaverde (UPenn) and Manuel Santos (Arizona State University).

[9] "Comparing New Keynesian Models of the Business Cycle: A Bayesian Approach" (2005) *Journal of Monetary Economics*, 52, pp. 1151-1166, with Pau Rabanal (IMF).

[10] "Estimating Dynamic Equilibrium Economies: Linear versus Nonlinear Likelihood" (2005) *Journal of Applied Econometrics*, 20, pp. 891-910, with Jesús Fernández-Villaverde (UPenn).

[11] "Comparing Dynamic Equilibrium Economies to Data: A Bayesian Approach" (2004) *Journal of Econometrics*, 123, pp. 153-187, with Jesús Fernández-Villaverde (UPenn).

Other Publications

[12] "Two Books on the New Macroeconometrics" (2009) forthcoming *Econometric Reviews* with Jesús Fernández-Villaverde (UPenn).

[13] "The New Macroeconometrics" (2009) forthcoming *Handbook of Applied Bayesian Analysis* with Pablo Guerrón (NCSU) and Jesús Fernández-Villaverde (UPenn).

[14] "How Structural are Structural Parameter Values?" (2008) *2007 NBER Macroeconomics Annual*, 22, pp. 83-132, with Jesús Fernández-Villaverde (UPenn).

[15] "The Research Agenda: Jesús Fernández-Villaverde and Juan F. Rubio-Ramírez on Estimation of DSGE Models", (2006) *Economic Dynamics Newsletter*. Volume 8, Issue 1, November 2006 with Jesús Fernández-Villaverde (UPenn).

[16] "Economic and VAR Shocks: What Can Go Wrong?" (2006) *Journal of the European Economic Association Paper and Proceedings* 4, pp. 466-474, with Jesús Fernández-Villaverde (UPenn).

[17] "Structural Vector Autoregressions", solicited by *The New Palgrave Dictionary of Economics* with Jesús Fernández-Villaverde (UPenn).

[18] "Smoothing the Shocks of a Dynamic Stochastic General Equilibrium Model" (2005) *Economic Review*, 90, pp. 35-47, with Andrey Bauer (Federal Reserve Bank of Atlanta) and Nicholas Haltom (Federal Reserve Bank of Atlanta).

[19] "Inflation Persistence: How Much Can We Explain?" (2003) *Economic Review*, 88, pp. 43-55, with Pau Rabanal (IMF).

Working Papers

[20] "Likelihood Estimation of DSGE Models with Epstein-Zin Preferences" with Jules H. van Binsbergen (Stanford University), Jesus Fernandez-Villaverde (University of Pennsylvania), and Ralph S.J. Koijen (University of Chicago).

[21] "Cointegrated TFP Processes and International Business Cycles" with Pau Rabanal (IMF) and Vicente Tuesta (Central Reserve Bank of Peru, and CENTRUM Católica.)

[22] "Risk Matters: The Real Effects of Volatility Shocks" with Jesus Fernandez-Villaverde (University of Pennsylvania), Pablo Guerrón-Quintana (North Carolina State University), and Martín Uribe (Columbia University).

[23] "Good Luck or Good Policy: A DSGE model Approach" with Jesus Fernandez-Villaverde (University of Pennsylvania) and Pablo Guerrón-Quintana (North Carolina State University).

EDITORIAL WORK

Associate Editor, *Journal of Economics Dynamics, and Control*.

Associate Editor, *Journal of Applied Econometrics*.

Associate Editor, *Spanish Economic Review*.

Program committee of 2007 North American Summer Meeting of the Econometric Society.

Program committee of 2009 Society for Economic Dynamics Meetings.

PROFESSIONAL PRESENTATIONS

Invited University Seminars

Arizona State University, Michigan State University, Banco de España, Bank of England, BBVA, CEMFI, Columbia University, Duke University, European Central Bank, Federal Reserve Bank of Atlanta, Federal Reserve Bank of Chicago, Federal Reserve Bank of Cleveland, Federal Reserve Bank of Dallas, Federal Reserve Bank of Richmond, Federal Reserve Bank of St. Louis, Florida State University, Institute for Advanced Studies, UC Los Angeles, UC San Diego, Universidad Carlos III de Madrid, Universidad del País Vasco, Università Bocconi, Universitat Pompeu Fabra, Universitat Autònoma de Barcelona, University of Indiana, Université de Montreal, University of Maryland, University of North Carolina, University of Virginia, University of Wisconsin, Princeton University, Stanford University.

Conferences Presentations

CEPR 2005, 2006, AEA 2004, 2005, *Econometrica* North America Summer Meetings 2002, 2006, Iowa Computational Conference 2002, *Macroeconomics and Reality, 25 years after*, CREI 2005, ESSIM 2005 and

2006, Midwest Macroeconomics Conference 2002, Minnesota Macro Workshop 2005, NBER Summer Institute 2001, 2002, 2003, 2005, and 2006, SETI 2002, 2003 and 2004, SIEPR 2001, meetings of the Society for Economic Dynamics 2000, 2002, 2003, and 2004.

TEACHING MATERIAL

Lecture Notes on Methods on Macroeconomic Dynamics (944 pages). Notes for a second year graduate class on computation and estimation of Macroeconomic Models.

Lecture Notes on Equilibrium Macroeconomics (627 pages). Notes for a two-semester sequence of undergraduate macroeconomics.