



# **Curriculum Vitae**

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**Antonio Villar**

**Universidad Pablo de Olavide & Ivie  
Department of Economics**

**2021**

## Personal data

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**Name:** Antonio Villar, Prof., Dr., Dr.

**Birthdate:** September 7, 1954.

**Marital status:** Married, one daughter.

**Address:** Department of Economics, Pablo de Olavide University,

Carretera de Utrera, Km 1, 41013, Sevilla (Spain)

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## Academic background

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### Degrees

- **B.A. in Economics** (“Licenciado en Ciencias Económicas”), University of Valencia, 1978.
- **Doctor** (Doctor en Ciencias Económicas), University of Alicante, 1983 (Thesis: “Money and Distribution in a Linear Multisectoral Economy”).
- **Doctor** (Doctor of Philosophy), University of Oxford, 1990 (Thesis: “Complementarity Problems, Related Equation Systems and its Application to Economic Analysis”, supervisor Christopher Bliss, examiners James Mirrlees and Peter Hammond).

### Positions

Current positions:

- **Professor**, Department of Economics, University Pablo de Olavide, Seville.
- **Senior Researcher**, Instituto Valenciano de Investigaciones Económicas (Ivie).

### Visiting positions abroad:

- Visiting Researcher at the *Center for Operations Research and Econometrics*, Louvain-la-Neuve (Belgium), October and November 1988.
- Visiting Scholar (Department of Economics) at *Stanford University*, September 1992- September 1993.
- Visiting Professor (Salvador de Madariaga Fellow) at the European University Institute (Florence, Italy), March to September 1997.

- Visiting Professor at the Institute for Advanced Studies (Vienna), February-March 2001.
- Visiting Professor (Salvador de Madariaga Fellow) at the European University Institute (Florence, Italy), September 2002 to March 2003.
- Senior Associate at St. Antony's College, University of Oxford, July-September 2010.
- Visiting Researcher at the University of York, July-August 2011.
- Visiting Professor at the Department of Mathematics for Decision Making, University of Florence, July-August 2012.
- Visiting Professor at the European University Institute (Florence), February to July 2014.
- Visiting Researcher at the Cardiff Business School, August 2014.
- Visiting Professor (Fernand Braudel Fellow) at the European University Institute (Florence), February to July 2015.
- Visiting Researcher at the OECD/EDU in Paris (Thomas J. Alexander Fellow), September 2015-August 2016.
- Visiting Professor at the University of Florence (Dipartimento di Scienze per l'Economia e l'Impresa), March – July 2019.

## Languages

Spanish (mother tongue), English, French and Italian.

## Research interests

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My research activity concentrates on Microeconomic Theory. In particular:

- **Welfare economics and social choice**, including aspects of efficiency with externalities, public goods and non-convexities, distributive problems, inequality and welfare measurement, multidimensional indicators and human development, economics of education and labour.
- **General equilibrium**, with special interest on the effects of increasing returns to scale in market economies.

## Teaching experience

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I have taught different courses both for undergraduate and graduate students, including:

- **Introduction to Economics**, for first year undergraduate students.
- **Microeconomics**, for second, third, and fourth year undergraduate students.

- **Macroeconomics**, for third and fourth year undergraduate students.
- **Microeconomic Theory**, for first year doctoral students (Q.E.D. program - Alicante, University of Bielefeld, Universidad Pablo Olavide, Institute for Advanced Studies -Vienna).
- **General Equilibrium**, for second year doctoral students (Q.E.D. program - Alicante, Paris-Nanterre).
- **Inequality measurement**, Master in Economics (Pablo de Olavide).
- **Inequality, poverty and welfare**, Graduate Program at the European University Institute (Florence).

## **Publications**

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### **Books**

1. **El Coste Social del Desempleo en España. El Discreto Encanto de la Recuperación Económica.** Fundación BBVA, 2020, en prensa (with S. De la Rica and L. Gorjón).
2. **Oportunidades de Empleo y Renta en España 2007-2016: El impacto de la crisis,** Fundación Ramón Areces, 2018 (with C. Herrero and A. Soler).
3. **Las Facetas del Bienestar: Una aproximación multidimensional a la calidad de vida en España y sus comunidades autónomas 2006-2015,** Fundación BBVA, 2018 (with C. Herrero and A. Soler).
4. **Lectures on Inequality, Poverty and Welfare,** Springer-Verlag, 2017.
5. **Desarrollo Humano y Pobreza en España,** Fundación Bancaja, 2013 (with C. Herrero & A. Soler)
6. **Educación y Desarrollo. PISA 2009 y el Sistema Educativo Español,** Editor, Fundación BBVA, 2012.
7. **Desarrollo Humano en España y sus Comunidades Autónomas (1980-2007),** Fundación Bancaja, 2010 (with C. Herrero and A. Soler).
8. **Mujer y Mercado de Trabajo en España: Cuatro Ensayos sobre la Discriminación Salarial y la Segregación Laboral,** Editor, Fundación BBVA, 2010.
9. **Desigualdad y Bienestar Social: de la Teoría a la Práctica,** Fundación BBVA, 2009 (with F. Goerlich).
10. **Microeconomía,** McGraw Hill, 2005.
11. **Decisiones Racionales,** McGraw Hill, 2005.
12. **Desarrollo Humano en España, sus Comunidades Autónomas y Provincias (1980-2000),** Fundación Bancaja, 2004 (with C. Herrero and A. Soler).

13. **Mejoras Educativas y Actividad Económica en España: Un Panorama de los Cambios Recientes (1990-2000)**, Fundación Bancaixa, Valencia, 2002 (with A. Soler).
14. **Equilibrium and Efficiency in Production Economies**, Berlin, Springer-Verlag, 2000.
15. **Lecciones de Microeconomía**, Barcelona, A. Bosch Ed., 1999.
16. **General Equilibrium with Increasing Returns**, Berlin, Springer-Verlag, 1996.
17. **Curso de Microeconomía Avanzada**, Barcelona, A. Bosch Ed., 1996.
18. **Operator Theorems with Applications to Distributive Problems and Equilibrium Models**, Berlin, Springer-Verlag, 1992.
19. **Matrices Semipositivas y Modelos Lineales**, Universidad de Alicante, 1984 (with C. Herrero y J.A. Silva).

### Articles

1. Dealing with Categorical Data in a Multidimensional Context. The Multidimensional Balanced Worth, **Social Science Research**, forthcoming (with C. Herrero).
2. Opportunity advantage between income distributions, **Journal of Economic Inequality**, forthcoming (with C. Herrero).
3. Group decisions from individual rankings: The Borda-Condorcet rule, **European Journal of Operational Research**, forthcoming (with C. Herrero).
4. Educational achievements in the OECD according to PISA 2018, **Advances in Social Sciences Research Journal**, vol. 7(9), pp. 486-498 (with R. Martínez).
5. Tracking progress towards accessible, green and efficient energy: The Inclusive Green Energy index, **Applied Energy**, (with C. Herrero, J. Pineda & E. Zambrano).  
<https://www.sciencedirect.com/science/article/pii/S0306261920311879>
6. A synthetic indicator on the impact of COVID-19 on the community's health, **PLOS ONE**, 15 (9), 2020: e0238970 (with C. Herrero).  
<https://doi.org/10.1371/journal.pone.0238970>
7. The cost of unemployment from a social welfare approach: the case of Spain and its regions, **Social Indicators Research**, vol. 150, pp. 955-976, 2020 (with S. De la Rica y L. Gorjón).
8. Formación Superior y Mercado Laboral: La Universidad Española frente a la Cuarta Revolución Industrial, **Papeles de Economía Española**, nº 166, pp. 105-122, 2020.
9. On the Wondrous Behaviour of Rats and Researchers, **Modern Economy**, vol. 11, pp. 10-16, 2020.

10. Green Economy Measurements and Indicators, Chapter 10, in: Eaton, D., & Sheng, F. (Eds.) (2019), **Inclusive Green Economy: Policies and Practice**, Dubai, Shanghai: Zayed International Foundation for the Environment & Tongji University (with C. Herrero, J. Pineda y E. Zambrano).
11. Population structure and the Human Development Index, **Social Indicators Research**, vol. 141, pp. 731-763, 2019 (with C. Herrero and R. Martínez).
12. Rendimiento, Equidad y Calidad: El desarrollo educativo en España según PISA 2015, **Cuadernos Económicos**, 2018, nº 95, pp. 79-97.
13. Human Development and Poverty: Theoretical Approaches, in C. D'Ambrosio (Ed), **Handbook of Research on Economic and Social Well-being**, Edward Elgar, 2018, pp. 104-125 (with S. Seth).
14. Human Development and Poverty: Empirical Findings, in C. D'Ambrosio (Ed), **Handbook of Research on Economic and Social Well-being**, Edward Elgar, 2018, pp. 126-152 (with S. Seth).
15. The Balanced Worth: A procedure to evaluate performance in terms of ordered attributes, **Social Indicators Research**, vol. 140, pp. 1279-1300, 2018 (with C. Herrero).
16. The Herrero-Villar Approach to Citation Impact, **Journal of Informetrics**, vol. 11, pp. 625-640, 2017 (with P. Albarrán, C. Herrero & J. Ruiz-Castillo).
17. Performance, Inclusion and Excellence: An Index of Educational Achievements for PISA, **Advances in Social Sciences Research Journal**, vol. 4, pp. 100-125, 2017.
18. Challenges to quality and equity in educational performance for Latin America, a PISA 2012 perspective, **RELIEVE (e-Journal of Educational Research, Assessment and Evaluation)**, 2016 (with P. Zoido) DOI: <http://dx.doi.org/10.7203/relieve.22.1.8273>
19. Educational poverty as a welfare loss: Low performance in the OECD according to PISA 2012, **Modern Economy**, 7, 441-449, 2016.
20. How bad is being poor for educational performance? A message from PISA 2012. **Advances in Social Sciences Research Journal**, vol. 3, n. 3, 2016.
21. Appointment of High Court Judges by Political Parties, **SERIES**, vol. 6, pp. 91-99, 2015 (with N. Porteiro).
22. No es País para Jóvenes, **Panorama Social**, vol. 20, Segundo semestre, pp. 53-69, 2014.
23. Analysis of Group Performance with Categorical Data when Agents are Heterogeneous: The Evaluation of Scholastic Performance in the OECD through PISA, **Economics of Education Review**, vol. 40, pp. 140-151, 2014 (with C. Herrero and I. Méndez).
24. Education and Cognitive Skills in the Spanish Adult Population. Intergenerational Comparison of Mathematical Knowledge from PIAAC Data, **Advances in Social Sciences Research Journal**, vol. 1, nº 1, pp. 72-88, 2014.

25. Equality of Opportunity with Categorical Data, **Lecturas de Economía**, vol. 81, pp. 9-30, 2014 (with C. Herrero).
26. Igualdad de Oportunidades Educativas: Los Resultados de PISA 2012 en España, **Avances en Supervisión Educativa**, nº 20, Mayo 2014.
27. On the Comparison of Group Performance with Categorical Data, **PLoS ONE**, 8(12): e84784. doi:10.1371/journal.pone.0084784, 2013 (with C. Herrero).
28. Rendimiento, Esfuerzo y Productividad: Análisis de los resultados en matemáticas de los estudiantes españoles según PISA 2012, en INEE (2013), **PISA 2012: Programa Internacional para la Evaluación de los Alumnos. Informe Español**, vol II, Madrid 2013.
29. Desarrollo y Pobreza en España y sus Comunidades Autónomas, **Papeles de Economía Española**, nº 138, February 2014 (with C. Herrero & A. Soler).
30. The Educational Development Index, **Modern Economy**, vol. 4, pp. 403-411, 2013.
31. A Newer Human Development Index, **Journal of Human Development and Capabilities**, vol. 13, pp. 247-268, 2012 (with C. Herrero & R. Martínez).
32. Who Meets the Standards: A Multidimensional Approach, **Modern Economy**, vol. 2, nº 4, pp. 614-624, 2011.
33. Improving the Measurement of Human Development, **Human Development Reports Research Papers 2010-12** (with C. Herrero and R. Martínez).
34. Multidimensional Social Evaluation. An Application to the Measurement of Human Development, **Review of Income and Wealth**, vol. 56, pp. 483-497, 2010 (with C. Herrero and R. Martínez).
35. Discriminación Social e Igualdad de Oportunidades, en A. Villar (ed), **Mujer y Mercado de Trabajo en España**, Fundación BBVA (with F. Goerlich).
36. The Rights-Egalitarian Solution for NTU Sharing Problems, **International Journal of Game Theory**, vol. 39, pp. 137-150, 2010 (with C. Herrero).
37. Desigualdad y Bienestar en España y sus Comunidades Autónomas (1973-2000), **Revista de Economía Aplicada**, vol. 17, pp. 119-152, 2009 (with F. Goerlich).
38. Mathematics and Markets: Existence and Efficiency of Competitive Equilibrium, in J.M. Delgado Sánchez and T. Domínguez Benavides (eds.), **Advanced Courses in Mathematical Analysis III**, World Scientific, 2008.
39. New Characterizations of a Classical Bankruptcy Rule, **Review of Economic Design**, vol. 10, pp. 73-84, 2007 (with J.D. Moreno-Tertero).
40. The TAL-Family of Rules for Bankruptcy Problems, **Social Choice and Welfare**, vol. 27, pp. 231-249, 2006 (with J. Moreno-Tertero).

41. On the Relative Equitability of Some Taxation Rules, **Journal of Public Economic Theory**, vol. 8, pp. 283-291, 2006 (with J.D. Moreno-Tertero).
42. Decision Theories and Probabilistic Insurance: An Experimental Test, **Spanish Economic Review**, vol. 8, pp. 35-52, 2006 (with C. Herrero and J. Tomás).
43. A Non-Cooperative Approach to Bankruptcy Problems, **Spanish Economic Review**, vol. 8, pp. 189-197, 2006 (with I. García-Jurado and J. González-Díaz).
44. On the Welfare Evaluation of Income and Opportunity, **Contributions to Theoretical Economics**, vol. 5, issue 1, 2005.
45. The Nash Rationing Problem, **International Journal of Game Theory**, vol. 33, pp 367-377, 2005 (with M. Mariotti).
46. A Non-Substitution Theorem with Non-Constant Returns to Scale and Externalities, **Metroeconomica**, vol. 56, pp. 25-36, 2005 (with T. Fujimoto and J.A. Silva).
47. The Talmud Rule and the Securement of Agents' Awards, **Mathematical Social Sciences**, vol. 47, pp. 245-257, 2004 (with J. Moreno-Tertero).
48. A Generalization of Theorems on Inverse Positive Matrices, **The Kagawa University Economic Review**, vol. 76, pp. 285-292, 2003 (with T. Fujimoto and J.A. Silva).
49. La Evaluación de la Investigación en Economía, **Revista Valenciana de Economía y Hacienda**, nº 8, pp. 97-133, 2003.
50. A Complete Characterization of Economies with the Non-Substitution Property, **Economic Issues**, vol. 8, pp. 63-71, 2003 (with T. Fujimoto, C. Herrero, R. Ranade and J.A. Silva).
51. Nonlinear Generalizations of Theorems on Inverse-Positive Matrices, **Advances in Mathematical Economics**, vol. 5, pp. 55-63, 2003 (with T. Fujimoto and J.A. Silva).
52. The Generalized Linear Production Model: Solvability, Nonsubstitution and Productivity Measurement, **Advances in Theoretical Economics**, vol. 3, Issue 1, Article 1, 2003.
53. Capital Humano y Estructura Productiva en España, 1990-2000, **Revista Valenciana de Economía y Hacienda**, Nº 6, pp. 127-145, 2002.
54. Sustainability in Bankruptcy Problems, **TOP**, vol. 10, No. 2, pp. 261-273, 2002 (with C. Herrero).
55. The Three Musketeers: Four Classical Solutions to Bankruptcy Problems, **Mathematical Social Sciences**, vol. 42, pp. 307-328, 2001 (with C. Herrero).
56. On the Efficiency of Market Equilibrium in Production Economies, **Journal of Global Optimization**, vol. 20, pp. 375-389, 2001.



57. An Alternative Characterization of the Equal-Distance Rule in Allocation Problems with Single-Peaked Preferences, **Economics Letters**, vol. 66, pp. 311-317, 2000 (with C. Herrero).
58. Equilibrium in Semimonotone Market Games, **Optimization**, vol. 47, pp. 235-250, 2000.
59. Individual Rights and Collective Responsibility: The Rights-Egalitarian Solution, **Mathematical Social Sciences**, vol. 37, pp. 59-77, 1999 (with C. Herrero y M. Maschler).
60. The Equal-Distance Rule in Allocation Problems with Single-Peaked Preferences, en A. Alkan, R. Aliprantis & N.C. Yannelis, **Current Trends in Economics: Theory and Applications**, Springer-Verlag, 1999 (with C. Herrero).
61. Valuation Equilibrium Revisited, en A. Alkan, R. Aliprantis & N.C. Yannelis, **Current Trends in Economics: Theory and Applications**, Springer-Verlag, 1999 (with P. Hammond).
62. Efficiency with Nonconvexities: Extending the "Scandinavian Consensus" Approaches, **The Scandinavian Journal of Economics**, vol. 100, pp. 11-32, 1998 (with P. Hammond). Reprinted in T. M. Andersen & K. O. Moene (eds.), **Public Policy and Economic Theory**, Blackwell, Oxford, 1998.
63. A Comment on Rights, Exchange and Externalities, en J.F. Laslier *et al* (Eds.), **Freedom in Economics**, London, Routledge, 1998.
64. Equilibrium with Nonconvex Technologies, **Economic Theory**, vol. 4, pp. 629-638, 1994.
65. La Asistencia Sanitaria como un Problema de Asignación en Presencia de Objetivos Inalcanzables, en G. López Casanovas (Ed.), **Análisis Económico del Sector Sanitario**, Barcelona, Servei Català de la Salut, 1994 (with C. Herrero).
66. Existence and Efficiency of Equilibrium in Economies with Increasing Returns to Scale: An Exposition, **Investigaciones Económicas**, vol. 18, pp. 203-242, 1994.
67. Linear Joint Production Models, **Economic Theory**, vol. 3, pp. 735-742, 1993 (with J.E. Peris).
68. La Medición del Bienestar Mediante Indicadores de Renta Real: Caracterización de un Índice de Bienestar Tipo Theil, **Investigaciones Económicas**, vol. 17, pp. 163-173, 1993 (with J.M. Tomás).
69. Asignaciones Igualitarias y Eficientes en Presencia de Externalidades, **Revista Española de Economía**, vol. 9, pp. 115-127, 1992 (with C. Herrero).
70. El Reparto del Fondo de Compensación Interterritorial entre las Comunidades Autónomas, **Hacienda Pública Española**, nº monográfico de 1992, pp. 113-125 (with C. Herrero).
71. Sobre la Distribución Justa de un Pastel en Presencia de Externalidades, **Investigaciones Económicas**, vol. 16, pp. 393-400, 1992 (with C. Herrero).

72. On Technical Change, Differential Rates of Profit and Exploitation, **The Kagawa University Economic Review**, vol. 64(4), pp. 205-218, 1992 (with R. Ranade).
73. A General Equilibrium Model with Increasing Returns, **Revista Española de Economía**, vol. 8, pp. 177-191, 1991.
74. Vector Mappings with Diagonal Images, **Mathematical Social Sciences**, vol. 22, pp. 57-67, 1991 (with C. Herrero).
75. Principios para la Distribución del Gasto entre Comunidades Autónomas, **Revista Valenciana de Hacienda Pública**, nº 13, pp. 249-275, 1991 (with C. Herrero).
76. Nonlinear Operators in Euclidean Spaces: An Elementary "Users Guide" for Economists, **Mathematical Social Sciences**, vol. 19, pp. 281-292, 1990.
77. Comparaciones de Renta Real y Evaluación del Bienestar, **Revista de Economía Pública**, vol. 2, pp. 79-101, 1989 (with C. Herrero).
78. La Lógica de la Elección Social: Una Revisión de los Resultados Básicos, **Investigaciones Económicas**, vol. 12, pp. 3-44, 1988.
79. General Equilibrium in a Nonlinear Leontief Framework, **The Manchester School**, vol. 56, pp. 159-167, 1988 (with C. Herrero).
80. A Characterization of Economies with the Non-Substitution Property, **Economics Letters**, vol. 26, pp. 147-152, 1988 (with C. Herrero).
81. On the Existence of Pareto Optimal Allocations when Individual Welfare Depends on Relative Consumption, **Journal of Public Economics**, vol. 36, pp. 387-397, 1988.
82. Nonlinear Leontief Models without the Monotonicity of Input Functions, **The Kagawa University Economic Review**, vol. 59(4), pp. 31-40, 1987 (with T. Fujimoto).
83. An Easy Approach to a Nonlinear Input-Output Model, **The Kagawa University Economic Review**, vol. 59(1), pp. 125-129, 1986 (with T. Fujimoto).
84. Comparing Solutions of Equation Systems Involving Semipositive Operators, **Portugaliae Mathematica**, vol. 43, pp. 131-137, 1985-86 (with C. Herrero y T. Fujimoto).
85. A Sensitivity Analysis for Linear Systems Involving M-Matrices and its Application to the Leontief Model, **Linear Algebra and its Applications**, vol. 64, pp. 85-91, 1985 (with C. Herrero y T. Fujimoto).
86. A Sensitivity Analysis in a Nonlinear Leontief Model, **Journal of Economics (Z. für Nat.)**, vol. 45, pp. 23-26, 1985 (with C. Herrero y T. Fujimoto).
87. Un Modelo Input-Output No Lineal, **Revista Española de Economía**, vol. 2, pp. 333-345, 1985 (with C. Herrero).
88. Sistema de Precios y Selección de Técnicas, **Revista de Economía y Empresa**, vol. 2, pp. 27-35, 1984 (with C. Herrero y T. Fujimoto).

89. Integración del Mercado Monetario en un Modelo Sraffa-Leontief, **Moneda y Crédito**, nº 170, pp. 57-72, 1984.
90. Estabilidad y Desequilibrio en un Modelo de Oferta Multimercado, **Cuadernos de Ciencias Económicas y Empresariales**, nº 14, pp. 41-74, 1984 (with C. Herrero).
91. Technical Changes and their Effect on the Price Structure, **Metroeconomica**, vol. 35, pp. 123-127, 1983 (with C. Herrero and T. Fujimoto).
92. Producción, Demanda Efectiva y Variación de Existencias, **Estadística Española**, vol. 95, pp. 85-102, 1982.
93. Ajustes en la Oferta Mediante Variaciones en las Existencias, **Publicaciones de la Sección de Matemáticas de la Universidad de Valladolid**, nº 5, pp. 73-89, 1982 (with C. Herrero).
94. The Selection of Techniques in Multisectoral Models of Simple Production: A Mathematical Revision, **Metroeconomica**, vol. 32, pp. 155-171, 1980 (with C. Herrero e I. Jiménez Raneda).

### Ongoing research

1. The Non-Working Workers. The unequal impact of Covid-19 on the Spanish labour market. Joint with J.I. García Pérez. Submitted (former version Ecineq working paper 2020 564).
2. The long-lasting scar of bad jobs in the Spanish labour market (with L. Gorjón, S. de la Rica & A. Osés).
3. The Minimum Income Scheme as a poverty reduction mechanism: the case of the Basque Country. Joint with L. Gorjón. WP UPO 2019.
4. The impact of the crisis on the labour market: a new appraisal, with C. Herrero.

## Further academic activities

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### Administrative duties

- **Secretary of the “Facultad de Ciencias Económicas y Empresariales”** (University of Alicante), 1983-85.
- **Secretary of the Economics Department** (*Departamento de Fundamentos del Análisis Económico*) at the University of Alicante, 1987-90.

- **Coordinator** of the working papers collection **A Discusión**, 1986-92, and 1995 - 2005.
- **Head of the Economics Department** (*Departamento de Fundamentos del Análisis Económico*) at the University of Alicante, 1994-97.
- **Vice-Dean of the “Facultad de Ciencias Económicas y Empresariales”** (University of Alicante), 1998-2002.
- **Head of the Economics Department** (*Departamento de Fundamentos del Análisis Económico*) at the University of Alicante, 2003-2005.
- **Head of the Economics Department** (*Área de Análisis Económico*) at the University Pablo de Olavide (2005-2007).
- **Vice-Rector of Research and Technological Transfer**, Universidad Pablo de Olavide (2007-2010).
- **Rector’s delegate for strategic projects**, Universidad Internacional de Andalucía (2019 - ).

**Congress organization:**

- **Secretary** of the *International Conference on Social Choice and Welfare* (Valencia, 1989).
- **Director** of *Game Theory and Applications* (Alicante, 1990).
- Local organizer of the *91 Winter Symposium of the Econometric Society* (Alicante, 1991).
- **Coordinator** of the *Conference on Increasing Returns* (Alicante, 1991) and the *Workshop on General Equilibrium* (Alicante, 1993).
- **Local organizer** of the *96' ASSET Meeting* (Alicante, 1996).
- **Local organizer** of the *V Social Choice and Welfare Meeting* (Alicante, 2.000).
- **Local organizer** of the *Simposio de Análisis Económico* (Alicante, 2001).
- **Coordinator** of *The Economics of Education: An International Workshop* (Alicante, 2002).
- **Coordinator** of the workshop: *La Desigualdad de Rentas como un Cuestión Económica y Política: Género y Territorio* (FBBVA-Ivie, UPO, Sevilla 2006).
- **Coordinator** of the Meeting: *Consolider: Una ventana a la Ciencia de Frontera*, Universidad Internacional Menéndez Pelayo (Santander, 2007).
- **Coordinator** of the *III International Course of Mathematical Analysis*, Universidad Internacional de Andalucía, La Rábida (Huelva), 2007.
- **Coordinator** of the I Escuela de Energía y Cambio Climático, Fundación Focus Abengoa-UIMP (Sevilla, Abril de 2008).
- **Local organizer** of the European Society for Population Economics Conference, Sevilla, 2009.

## Evaluation and assessment

- **Referee** for the following **Journals**: *American Economic Review*, *Econometrica*, *Berkeley Electronic Press Journals in Theoretical Economics*, *Computers and International Engineering*, *Economic Theory*, *Games and Economic Behavior*, *Higher Education Policy*, *International Economic Review*, *International Journal of Game Theory*, *International Transactions in Operational Research*, *Investigaciones Económicas*, *Journal of Economic Surveys*, *Journal of Economic Theory*, *Journal of Human Development and Capabilities*, *Journal of Mathematical Economics*, *Journal of Political Economy*, *Journal of Public Economics*, *Manchester School*, *Mathematical Social Sciences*, *Mathematical Programming*, *Metroeconomica*, *Metroeconomica*, *Oxford Economic Papers*, *Regional Studies*, *Revista de Economía Aplicada*, *Social Choice and Welfare*, *Social Indicators Research*, *Spanish Economic Review*, *TOP*.
- **Referee** for the “Agencia Nacional de Evaluación Prospectiva” and the European programs SPES and Training and Mobility of Researchers.
- **Member of the Editorial Board** of *Investigaciones Económicas* (1990-95).
- **Expert** in the Economics and Social Studies Program, within the Spanish “National Plan of Science and Technology” (1996-1999).
- **Expert** in the committees for the Spanish Government bilateral agreements for the mobility of researchers with France, Great Britain and Germany.
- **Secretary (1989-91) and President (1995-97) of the Economics Panel** of the Spanish National Science Foundation.
- **Member (2001) and Secretary (2002) of the Economics Panel** of the National Committee for the Evaluation of Research Activity (CNEAI).
- **Coordinator** of the research funds “Ayudas de Investigación” of the Instituto Valenciano de Investigaciones Económicas.
- **Evaluation Coordinator** (2003-2004) of the Valencian Agency for Science and Technology (*Agencia Valenciana de Ciencia y Tecnología*).
- **Expert** of Social Sciences for the *Comisión Interministerial de Ciencia y Tecnología*.
- **Coordinator of the Consolider Research Program** (Ministerio de Educación y Ciencia) (2005-2007).
- **Advisor** of the Spanish Ministerio de Educación y Ciencia (2005-2007).
- **Member of the European Strategy Forum for Research Infrastructures** (2012).
- **Associate Editor** of the Journals *Lecturas de Economía* and *TOP*.
- **Member of the Spanish Committee for the Evaluation of Research Infrastructures**, Ministerio de Economía e Innovación (2013-2019).
- **External Consultant for the United Nations Development Program**, regarding the re-design of the Human Development Index (2010 and 2018).

- **External Consultant for the United Nations Environmental Program,** regarding the design of an indicator for the Green Economy (2016).

## **Others**

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2010 Andalusian Prize for distinguished research in Social Sciences and Humanities.