

# María Amparo Urbano

## Short Vita

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### Personal

Title: Full Professor of Economics

Affiliation: Facultad de Economía. Departamento de Análisis Económico. University of Valencia.

Address: Campus de los Naranjos, 46022 Valencia. Spain.

Phone: +34 96 3828246. Fax: +34 96 3828249. e-mail: [amparo.urbano@uv.es](mailto:amparo.urbano@uv.es)

### Education

Ph. D., Economics, Universidad de Valencia (1990).

Ph. D., Economics, University of Illinois, USA (1989).

M. Sc. in Economics. University of Illinois, USA (1985).

B.A. in Economics, Universidad de Valencia (1980)

Diploma in Operation Research, University of Valencia (1981)

**Fields of interest:** Mathematical Microeconomics, Game Theory, Economics of Information, Industrial Economics, Networks

### Academic Experience

Assistant Professor of Economics, University of Valencia (1989-1992)

Associate Professor in Economics, University of Valencia, 1992-2004.

### Teaching Areas:

**Undergraduate:** Game Theory

**Graduate:** Advanced Microeconomics and Game Theory and Economics of Information.

### Short Visiting Academics:

L. Recanat B. S. de Tel-Aviv and The Center for Rationality and Interactive decision theory, U. Hebrea de Jerusalem. Israel, 2000. 2 months.

Economics Department of the University Paris I. France, 2002, Fall semester.

The Center for Game Theory in Economics, de la Universidad Estatal de Nueva York (SUNY), Stony Brook, EEUU, 2011, 1 month.

## Grants and prizes

Premio Extraordinario de Licenciatura. Tesina titulada: "Los Derechos de Propiedad y la Teoría de la Empresa", Universitat de València, Año: 1982.

Beca Fulbright., Banco de Bilbao. Año: 1983-1985

Premio Extraordinario de Doctorado. Tesis Doctoral titulada: "Modelos dinámicos de Monopolio y Duopolio con aprendizaje Bayesiano" Universitat de València; Año: 1990.

## Honors and Services to the Profession:

- Director of "ERI-CES", a Centre for Interdisciplinary Research in Economics at the University of Valencia. 2006-
  - Chair of the Organizing Committee of the 34<sup>th</sup> Conference of the European Association for the Research in Industrial Economics (EARIE), Valencia 2007.
  - Member of the Nacional Agency for Evaluation and Prospective in Economics (ANEP) for the National Programme: Promotion of general knowledge and Socioeconomics Programme, 2000-2002.
  - Member of the Nacional Agency for Evaluation and Prospective in Economics (ANEP) for Economics, 2007-2010.
  - Member of the Jury of Pascual Madoz National Prize in Economics, 2011-2012.
  - Project referee for BBVA.
  - La Caixa referee, programme: scholarship for PhD. in Europe and North-America.2014-
  - President of the Economic Spanish Association, 2010
  - Vicepresident of the Economic Spanish Association, 2009.
  - Chair of the Organizing Committee of the Fourth Spanish Meeting on Game Theory, Valencia 2000.
  - Member of the Research Commission, University of Valencia, 1991-2000.
  - Member of the Permanent Committee of Research, University of Valencia, 2000-2004.
  - Director of the Official Doctorate Programme in Industrial Economics, 2006-
  - ANECA referee, 2012-
  - Elected Member of the Patronato de la Barcelona Graduate School of Economics, 2010-
  - Journal Refee for: Review of Economic Studies, International Economic Review, Econometrica, Journal of Economic Theory, International Journal of Industrial Organization, International Journal of Game Theory, Journal of Economic Dynamics and Control , Games and Economic Behavior, International Game Theoretical Review y Bec Series.
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## Congress Organization:

- Seminars in Industrial Organization and Game Theory, Universidad de Valencia, 1990-1997.
- Co-organizer and member of the scientific committee of the Summer Meetings en "Game Theory and Economic Applications", Universidad de Valencia, 1993-2001,

- Co-organizer member of the scientific committee of the Industrial Organization annual conference, Spain, 1992-1996.
- Co-organizer of the XXIII Simposio de Análisis Económico, Barcelona 1998.
- Member of the scientific committee of the Fifth and Sixth Spanish Meetings on Game Theory ( Sevilla 2002 y Elche 2004) y XIV, XV y XVI IMGTAS (Italian Meetings on Game Theory and Applications), Ischia 2001, Urbino 2003 y Foggia 2006.
- Member of the scientific committee of the XXVII y XXIX Simposios de Análisis Económico, Salamanca, 2002 y Navarra 2004.
- Co-organizer of the Workshop in "Networks and Strategic Communication", Valencia 25-27, January, 2006, and "Networks and Strategic Communication II", Valencia 19-20, September, 2007.
- Member of the scientific committee of SING I (First Spain-Italy-Netherlands Meeting on Game Theory, Maastrich, 2005) y SING 2 (Foggia, 2006) y SING 3 (Madrid, 2007), Sing 4 (Poland, 2008) and SING 5.
- Member of the scientific of the 17th International Conference on Game Theory, Stony Brook 2006.
- Member of the scientific committee of the 36th Annual Conference of the European Association for Research in Industrial Economics (EARIE), 2009
- Presidenta del Comité organizador de la 34th Annual Conference of the European Association for Research in Industrial Economics (EARIE), Valencia 6-9 de Septiembre, 2007.
- Co-organizadora del Workshop en "Networks and Strategic Communication II", Valencia 19-20 de Septiembre, 2007.
- Co-organizer of The 2nd Brazilian Workshop of the Game Theory Society in honor of John Nash on the occasion of the 60th anniversary of Nash Equilibrium (São Paulo School of Advanced Sciences on Game Theory), University of Sao Paulo, Brazil, 2010.
- Co-organizer of the International Workshop on Game Theory and Economic Applications of the Game Theory Society, celebrating the 70th Birthday of Marilda Sotomayor (São Paulo School of Advanced Sciences on Game Theory and Economic Applications ), University of SaoPaulo, Brazil. 2014.

## Selected Publications

- "Entry and espionage with noisy signals" (with A. Barrachina, Yair Tauman) *Games and Economic Behavior*, 83, pp. 127-146 (2014).
- "Statistical formats to optimize evidence-based decision making: a behavioral approach" (with I. Arribas, I. Comeig, y Jose Vila), *Journal of Business Research*, 67 (5), pp. 790-794 (2014).
- "Universal and pragmatic languages: An equilibrium approach", (with P. Hernández and Jose Vila). *Games and Economic Behavior*, vol.76 (2), pp. 738-752 (2012).
- "Are Social and Entrepreneurial attitudes compatible? (with i. Arribas, P. Hernández and Jose Vila) A behavioral and self-perceptual analysis", *Management Decision*, 50, 1739-1757. (2012):

- "Group Connectivity and Cooperation" (SEA Presidential Address). *SERIEs*, vol. 2(2) pp. 139-158.(2011).
- "Product Line Choice in Retail Duopoly", (with R. Moner-Colonques and J.J. Sempere-Monerris). *Journal of Economics and Management Strategy* (JEMS), vol. 20 (3) pp. 777-802. (2011).
- "Codification Schemes and Finite Automata", (with P. Hernández). *Mathematical Social Sciences*, 56 (3), pp. 395-409. (2008).
- "Nash Equilibrium in a Model of Multiproduct Price Competition: An Assignment Problem", (I. Arribas) *Journal of Mathematical Economics*, vol. 41 (3) pp. 351-385. (2005).
- "Repeated Games with Probabilistic Horizon", (with I. Arribas) *Mathematical Social Sciences*, vol. 50 pp. 39-60. (2005).
- "Strategic Delegation with Multi-Product Firms", (with R. Moner-Colonques and J.J. Sempere-Monerris) *Journal of Economics and Management Strategy* (JEMS), vol. 13(3), pp. 405-427 (2004).
- "Computationally Restricted Unmediated Talk under Incomplete Information" (with Jose Enrique Vila). *Economic Theory*, vol. 23 (2), pp. 283-320. (2004).
- "Unmediated Communication in Repeated Games with Imperfect Monitoring", (with Jose Enrique Vila). *Games and Economic Behavior*, vol.46 (1), pp. 143-173 (2004).
- "Computational Complexity and Communication: Coordination in two-player Games" (with Jose Enrique Vila) *Econometrica*, vol. 70, pp. 1893-1927, (2002).
- "A Model of Multiproduct Price Competition" (with Y. Tauman y J. Watanabe), *Jornal of Economic Theory*, 77, pp. 377-401 (1997).
- "Duopoly Signal-Jamming" (with L. Mirman and L. Samuelson), *Economic Theory*, Vol. 3, pp. 129-149 (1993).
- "Monopoly Experimentation" (with L. Mirman and L. Samuelson), *International Economic Review*, 34, pp. 549-563 (1993)

#### Book chapters:

- Urbano A. "La Economía Experimental en España" Prefacio. In **Economía Experimental y del Comportamiento**, Antoni Boch, ed. September 2011
- Urbano, A. "Bayesian-Nash Equilibrium". In **An Eponymus Dictionary of Economics: A Guide to Laws and Theorems Named after Economists**, Julio Segura y Carlos Rodriguez Braun (eds.). Edward Elgar, Cheltenham, UK, December 2004

- F. Caballero and A. Urbano. "Is there an Economic Rationale for the Liberalisation of Telecommunications Infrastructures?" in **The Economics of Information Society**. European Communities, ISBN: 92-827-9523-3, Luxembourg, 1997.
- G. Olcina and A. Urbano. "Mercados y Reputación". In **Lecturas en Economía, Libro-Homenaje a L. Lumbreras**, U. del País Vasco, ISBN: 84-7585-454-0, Bilbao, 1993.

## Thesis Adviser

- Gonzalo Olcina Vauterén (1992): "Introspección y Selección de Equilibrios en Juegos no cooperativos".
- M<sup>a</sup> Dolores Alepuz Chaqués (1992): "Aprendizaje estratégico y competencia de mercado en modelos de duopolio".
- Rosario Sánchez Perez (1994): "Salarios de Eficiencia y desempleo: Evidencia Empírica para el sector industrial español".
- Delfina Soria Bonet (1998): "Ensayos sobre la Teoría del Arrepentimiento y la Teoría de la Decepción".
- José Enrique Vila Gisbert (1998): "Comunicación Descentralizada en Juegos Bipersonales".
- Penélope Hernández Rojas (2000): "Autómatas, Comunicación y Complejidad".
- Iván Arribas Fernández (2002): "Comportamiento errático y estrategias cíclicas. Juegos con horizonte probabilístico. Equilibrios de mercado y programación entera".
- Alejandro Barrachina (2012): "Theoretical Models of Industrial Espionage", co-director: Y. Tauman.
- Ignacio Nadal Moriana (2013): "The Economics of Platform Competition: Compatibility, Standardization and Piracy", co-director: R. Moner-Colonques.

## Selected Competitive Research Projects

**Project:** "Complejidad Computacional y Comunicación Interactiva en el diseño de mecanismos para los mercados públicos y privados. Una aplicación a las subastas públicas y a las subastas en línea. Ministerio de Ciencia y Tecnología. Proyecto de investigación nº:BEC2000-1429. Desde: 15/06/2001 hasta: 16/06/2004 Investigador responsable: Amparo Urbano Salvador.

**Project:** "Formación dinámica de redes. Redes de comunicación con restricciones de complejidad computacional. Aplicaciones a las organizaciones y a los mercados". Ministerio de Ciencia y Tecnología. Proyecto de investigación nº:SEJ2004-07554. Desde: 24/12/04 hasta: 24/12/07. Investigador responsable: Amparo Urbano Salvador.

**Project:** Nuevo Laboratorio de Investigación en Economía Experimental y Computacional. Ministerio de Ciencia y Tecnología. Fondos Feder. Desde: 30/07/04 hasta: 30/07/09. Investigador responsable: Amparo Urbano Salvador.

**Project:** "Redes, incentivos e información en procesos complejos de interacción socio-económica" Ministerio de Educación y Ciencia. Proyecto de investigación nº:SEJ2007-66581. Desde: 24/12/07 hasta: 24/12/10. Investigador responsable: Amparo Urbano Salvador.

**Project:** "Grupo de Investigación en Economía del Comportamiento Estratégico". Supporting Institution: Consellería de Cultura, Educación y Ciencia. Generalitat Valenciana. PROMETEO 2009/068. 2010-2013. PROMETEO II 2014/054. 2014-2017.

**Project:** "Redes de agentes estratégicos: Estructuras modulares, protocolos de comunicación y formación endógena. Aplicaciones a los mercados y a las instituciones". Ministerio de Ciencia e Innovación. Proyecto de investigación nº:SEJ2007-66581. Desde: 01/01/2011 hasta: 31/12/2013.

**Project:** "Grupo de Investigación en Economía del Comportamiento Estratégico". Supporting Institution: Consellería de Cultura, Educación y Ciencia. Generalitat Valenciana. PROMETEO 2009/068. 2010-2013. PROMETEO II 2014/054. 2014-2017.

**Project:** Redes de excelencia ISIC en la Comunitat Supporting Institution: Consellería de Cultura, Educación y Ciencia. Generalitat Valenciana. 2012-2015. Investigador responsable: Amparo Urbano Salvador.

**Project:** "Comunicación digital, ciberseguridad y confianza en mercados digitales en red. Políticas de regulación. Ministerio de Economía y Competitividad. Proyecto de investigación nº:ECO2013-46550-R. Desde: 01/01/2014 hasta: 31/12/2016. Investigador responsable: Penélope Hernández y Amparo Urbano Salvador.

### **Invited Academic Conferences (since 2000)**

- "Local Coordination and Global Congestion in Random Networks", International Workshop on Game Theory and Economic Applications of the Game Theory Society, celebrating the 70th Birthday of Marilda Sotomayor (São Paulo), School of Advanced Sciences on Game Theory and Economic Applications ), University of Sao Paulo, Brazil, 2014.
- Chair de la Presidential Address, XXXVI Simposio de la Asociación Española de Economía, SAEe, Málaga, 2011.
- "Group Connectivity and Cooperation". SEA Presidential Address. XXXV Simposio de la Asociación Española de Economía, Madrid, 2010.
- "Grammar and Language: An Equilibrium Approach", Plenary Conference, XIX International Conference on Game Theory, Stony Brook, USA, 2009.
- Efficient Mixed-Bundling", Barcelona JOCS. 2005

- "A Communication Protocol for Random Consensus in the Coordinated Attack problem" CORE, Economic Theory Seminar, :Louvain-la-Neuve, Belgium, 2003
- "Noisy Communication, Séminaire "Théorie des Jeux", Institute Henri Poincare, Paris, 2002.
- "Multiproduct Competition, Nash Equilibria and some Assignment Problems", Colloquium du CERMSEN (Centre de Recherche de Mathématiques, Statistiques et Economie mathématique), Maison des Sciences Economiques, Université de Paris, 2002.
- "Computational Complexity in Games, Key Speaker. Workshop on Game Theory and Applications. Lisbon, Portugal, 2001.
- "Computational Complexity and Communication", Center for Rationality and Interactive Decision. Jerusalem, 2000.