

MARINA NÚÑEZ OLIVA.

CURRICULUM VITAE

Personal Information and professional data

Born in Barcelona, Spain.

Professional address: Department of Economic, Financial and Actuarial Mathematics, University of Barcelona. Av. Diagonal, 690, 08034 Barcelona, Spain.

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Education

- Doctora en Matemáticas, Universidad de Barcelona, 2002
(Title of the thesis: *Valoraciones centradas en el origen de C^3* ;
Advisor: Dr. Eduardo Casas-Alvero).
- Licenciada en Matemáticas, Universidad de Barcelona, 1986.

Teaching and research appointments

- 18/05/07 - : Prof. Titular de Universidad. Department of Economic, Financial and Actuarial Mathematics, University of Barcelona. (Associate Professor)
- 17/6/92 to 18/05/07: Prof. Titular de Escuela Universitaria. Departament of Economic, Financial and Actuarial Mathematics, University of Barcelona (Associate Professor)
- 12/12/91 to 16/6/92 Prof. Titular Interina de Escuela Universitaria, Departament of Economic, Financial and Actuarial Mathematics, University of Barcelona
- 1/10/87 to 01/10/91 Prof. Ayudante, University of Barcelona (Assistant Professor)
- 1/10/86 to 30/9/87 Encargada de curso nivel B, University of Barcelona
- Since /09/99 until now: Consultora dels Estudis d'Economia i Empresa, Universitat Oberta de Catalunya.

- Member of CREB (Centre de Recerca en Economia del Benestar) <http://riscd2.eco.ub.es/~creb/>
- Associate Fellow of CREA (Centre de Referència en Economia Analítica) <http://www.barcelonaecomomics.org/>

Research Interest

Game Theory, Decision Theory, Cooperative Game Theory, Assignment Markets.

Publications

In refereed journals:

- *A cooperative bargaining approach to the assignment market.* M. Núñez and C. Rafels. Forthcoming in Group Decisions and Negotiation.
- *On the dimension of the core of the assignment game.* M. Núñez and C. Rafels. Forthcoming in Games and Economic Behavior.
- *A simple procedure to obtain the extreme core allocations of an assignment market.* J.M. Izquierdo, M. Núñez and C. Rafels. International Journal of Game Theory, 36 (1), 17-26, 2007.
- *The Böhm-Bawerk horse market: a cooperative analysis,* M. Núñez and C. Rafels, International Journal of Game Theory, 33(1), 421-430, 2005.
- *Space valuations are not uniquely determined by their centers,* M. Núñez, Communications in Algebra, 32(7), 2659-2678, 2004.
- *A note on the nucleolus and the kernel of the assignment game,* M. Núñez, International Journal of Game Theory, 33(1), 55-65, 2004.
- *Characterization of the extreme core allocations of the assignment game,* M. Núñez and C. Rafels, Games and Economic Behavior, 44(2), 311-331, 2003.
- *Buyer-seller exactness in the assignment game,* M. Núñez and C. Rafels, International Journal of Game Theory, 31(3), 423-436, 2002.
- *The assignment game: the tau-value,* M. Núñez and C. Rafels, International Journal of Game Theory, 31 (3), 411-422, 2002.
- *On extreme points of the core and reduced games,* M. Núñez and C. Rafels, Annals of Operations Research, 84, 121-133, 1998.

Books:

- *Jocs cooperatius i aplicacions econòmiques,* C. Rafels, J.M. Izquierdo, J. Marín, F. J. Martínez de Albéniz, M. Núñez and N. Ybern, Col·lecció UB, 31, Edicions Universitat de Barcelona, 1999

Work in progress:

- *A canonical representative for the assignment game: the kernel and the nucleolus.* M. Núñez and C. Rafels, Barcelona Economics Working Paper Series (CREA), n. 279, 2006.

Teching experience

Undergraduate: Mathematics for Economics, Mathematics for Bussiness Administration, Game Theory, Decision Theory, Mathematical Models for Economics.

Graduate: Game Theory.

Research grants

As principal researcher

- *Barcelona Jocs*. SEJ2007-30231-E/ECON. Ministerio de Educación y Ciencia, 2008-2009. Investigador principal: Marina Núñez Oliva.

As a participant

- *Red Española de Elección Social*. SEJ2007-30297-E/ECON. Ministerio de Educación y Ciencia. Investigador principal: Jordi Massó Carreras.
- *Fundamentos y extensiones del núcleo en decisiones cooperativas y mercados de asignación*. SEJ2005-02443/ECON. Ministerio de Educación y Ciencia. Investigador principal: Carlos Rafels Pallarola. 2006-2008.
- *Grup d'Economia del Benestar: Teoria i Aplicacions*. 2005SGR00894. Departament d'Universitats, Recerca i Societat de la Informació de la Generalitat de Catalunya. Investigador principal: Antonio Manresa. 2006-2008.
- *Xarxa temàtica Barcelona Jocs*. 2003XT-0055. Departament d'Universitats, Recerca i Societat de la Informació de la Generalitat de Catalunya. Investigador principal: Clara Ponsatí Obiols. 2004-2005.
- *Grup d'Economia del Benestar: Teoria i Aplicacions*. Universitat de Barcelona. Investigador principal: Antonio Manresa. 2004-2005.
- *Convexidad e indivisibilidades en problemas de intercambio, asignación, demanda y producción*. BEC2002-00642. Ministerio de Ciencia y Tecnología. Investigador principal: Juan Enrique Martínez Legaz. 2002-2005.
- *Grup d'Economia del Benestar: Teoria i Aplicacions*. 2001SGR00029. Departament d'Universitats, Recerca i Societat de la Informació de la Generalitat de Catalunya. Investigador principal: Antonio Manresa. 2002-2005.
- *Xarxa temàtica Barcelona Jocs*. XT99-0010. Departament d'Universitats, Recerca i Societat de la Informació de la Generalitat de Catalunya. Investigador principal: Antonio Cabrales. 2002-2003.
- *Grup d'Economia del Benestar: Teoria i Aplicacions*. Universitat de Barcelona. Investigador principal: Antonio Manresa. 2002-2003.
- *Grup d'Economia del Benestar: Teoria i Aplicacions*. 1999SGR00016. Departament d'Universitats, Recerca i Societat de la Informació de la Generalitat de Catalunya. Investigador principal: Antonio Manresa. 1999-2001

- *Anàlisi de Decisions Interactives*. Universitat de Barcelona. Investigador principal: Carles Rafels Pallarola. 2000-2001.
- *Xarxa temàtica Barcelona Jocs*. XT99-0010. Direcció general de recerca de la Generalitat de Catalunya. Investigador principal: Carles Rafels Pallarola. 2000-2001.
- *Curvas singulares y clasificación geométrica de singularidades*. PB91-0210-C02-02. Secretaría de Estado de Universidades e Investigación, Investigador principal: Eduardo Casas-Alvero. 1992-1995.
- *Singularidades de foliaciones y curvas: códigos geométricos*. PB88-0344-C03-03. Secretaría de Estado de Universidades e Investigación, Investigador principal: Eduardo Casas-Alvero. 1988-1992.

Conferences and meetings.

Invited Sessions or Seminars

- Barcelona Jocs Seminar, march 2007.
- LEA Workshop on Optimization, Games and Economic Applications, Bellaterra, 2002.
- Barcelona Jocs Seminar, april 2002.
- Second Twente Workshop on Cooperative Game Theory joint with Dutch-Russian Symposium, Enschede, 2002.
- Fourth Spanish Meeting on Game Theory and Applications, Valencia, 2000.

Presentations in regular sessions

- SING 3. Spain Italy Netherlands Meeting on Game Theory, Madrid, 2007.
- The Eight International Meeting of the Society for Social Choice and Welfare, Istanbul, 2006.
- EURO XXI, 21st European Conference on Operational Research, Reykjavik, 2006.
- SING 2. Spain Italy Netherlands Meeting on Game Theory, Foggia, 2006.
- First Spain Italy Netherlands Meeting on Game Theory, Maastricht, 2005.
- Sixth Spanish Meeting on Game Theory and Practice, Elche, 2004.
- Games 2004. Second World Congress of the Game Theory Society, Marsella, 2004.
- 27 Congreso Nacional de Estadística e Investigación Operativa, Lleida, 2003.
- First Brazilian Workshop of the Game Theory Society, Sao Paulo, 2002.
- Fifth Spanish Meeting on Game Theory, Sevilla, 2002.
- Advances in Game Theory and Related Topics joint with Game Practice III (in honour to Stef Tijs), Tilburg, 2002
- XIV Italian Meeting on Game Theory and Applications, Ischia, 2001
- XXII Simposio de Análisis Económico, Bellaterra, 1997.

- International Workshop on Game Theory and Politics and Spanish Meeting on Game Theory, Santiago de Compostela, 1996.
- XXII Congreso Nacional de Estadística e Investigación Operativa, Sevilla, 1995.
- XIX Simposio de Análisis Económico, Bellaterra, 1994.
- 15th International Symposium in Mathematical Programming, Ann Arbor, 1994.

PhD students and thesis committees

PhD Advisor:

- Silvia Miquel Fernández (co-advised with C. Rafels) *Contributions to Operations Research Games*. Universitat de Barcelona, 2005.

Participation in Thesis Committees:

- Ester Camiña Centeno, Universitat Autònoma de Barcelona, 2004.
- Misericordia Vilella Bach, Universitat Rovira i Virgili, 2004.

Referee

Annals of Operations Research, Mathematical Social Sciences, International Journal of Game Theory, Games and Economic Behavior, Economic Theory, Mathematical Methods of Operations Research.

Organization of Congresses or Seminars

- Organizer of the [Barcelona-Jocs Seminar](#) (2007-2009)
- Member of the Local Organizing Committee of the Third Spanish Meeting on Game Theory, June 1998.

Other activities

- Coordinator of "*Espai de Recerca en Economia*", <http://www.ere.ub.es/> (October 2006-)