

Carlos Hervés-Beloso

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Campus Universitario, Universidad de Vigo.
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Education

B.S. in Mathematics,
Universidad de Santiago de Compostela, 1975.
Premio Extraordinario de Licenciatura (Outstanding Bachelor Award).

Ph.D. in Mathematics,
Université Nancy (France) and Universidad de Santiago de Compostela (Spain), 1975-1979.
Premio Extraordinario de Doctorado (Outstanding Doctorate Award)

Professional Appointments

Full Professor of Mathematics, Universidad de Vigo, since August 1989.
Chairman, Department of Mathematics, Universidad de Vigo, 1996-1999.
Full Professor, Department of Economics, Universidad Carlos III de Madrid, 1990-1995.
Chairman, Department of Economics, Universidad Carlos III de Madrid, 1993-1995.
Visiting Scholar, Department of Economics, Harvard University, September-December 1989.
Associate Professor of Mathematics, Universidad de Santiago de Compostela, 1982-1989.
Visiting Scholar, Trinity College and University College (Dublin), 1979-1980.
Visiting Scholar, Universit Nancy (France), 1977-78.
Assistant Professor, Department of Mathematics, University of Santiago de Compostela, 1975-1982.

Positions in Professional Organizations

Editorial Board and Associated Editor (AE), Economic Theory, 2004-present.
Editorial Board, (AE), Journal of Mathematical Economics, 2006 - 2010 and 2013-2023.
Editorial Board, (AE), Economic Theory Bulletin, 2012-present.
Editorial Board, (AE), Journal of Dynamics and Games, 2015-present.

Fellow of the Society for the Advancement of Economic Theory, since 2011. <https://saet.uiowa.edu/economic-theory-fellows>

Fellow (Miembro de Honor) of the Asociación Española de Economía, since 2012. <http://asesec.org/quienes-somos/miembros-de-honor>

Research Interests

Microeconomics, Mathematical Economics, General Equilibrium Theory, Game Theory and Applications

Ph.D. Supervisor

Hugo del Valle-Inclán Cruces. 2021 Issues on the Measurement of Opportunity Inequality. Universidad de Vigo.

Agostinho Campos Ferreira. 2020 The Origen of MasterCard. Universidad de Vigo. Co-supervised with Rafael Vallejo Pousada

Antonio Jos Monteiro de Oliveira 2020. Entrepreneurial Barriers: From Entrepreneurial Intention to Entrepreneurial Action. Co-supervised with Orlando Marques Lima Rua. Universidad de Vigo.

Luis Antonio Gomes de Almeida 2019 Ensayos en Finanzas. Universidad de Vigo.

Joao Correia da Silva. 2005. Essays on General Equilibrium with Asymmetric Information. Universidade do Porto (Portugal).

Guadalupe Fugarolas Álvarez-Ude. 2004. Soluciones cooperativas y no cooperativas en economías con información diferenciada. Co-supervised with Emma Moreno-García. Universidad de Vigo.

Antonio Molina Abraldes. 2002. Optimalidad en Modelos de Generaciones Solapadas bajo diferentes Estructuras Temporales. Universidad de Vigo.

Juan Pintos Clapes. 2002. Eficiencia Paretiana en Modelos de Equilibrio General con Generaciones Solapadas. Universidad de Vigo.

Amelia Verdejo Rodríguez. 1997. Espacios Separablemente Conexos y Relaciones de Preferencia. Co-supervised with Margarita Estévez Toranzo. Universidad de Vigo.

Emma Moreno-García 1996. Coaliciones y Competencia Perfecta Universidad Carlos III de Madrid.

Francisco Javier García Cutrín 1992. Núcleo y Equilibrio en Economías con N tipos de Agentes. Universidad de Vigo.

Manuel Besada Morais 1986. Existencia de Equilibrio en Economías sin Horizonte Temporal. Universidad de Santiago de Compostela.

Publications

Revisiting the Coase theorem. *Economic Theory* 73, pp. 421-438 (2022) doi:10.1007/s00199-020-01330-9 (With E. Moreno-García).

Breaking barriers to promote sustainable development in the wine industry: a theoretical study on the role of the entrepreneurial ecosystem approach. In the book: "Financial management and risk analysis strategies for business sustainability". pp. 124-145 (2021).

Strictly Monotonic Preferences. In the book: "Mathematical Topics on Representation of Ordered Structures and Utility Theory", pp. 197-209. Springer (2020), doi: 10.1007/978-3-030-34226-5-10 (With P. K. Monteiro)

Market Games and Walrasian Equilibria. *Journal of Dynamics and Games*, 7 (1), pp.65-77 (2019) doi: 10.3934/jdg.2020004 (With E. Moreno-García).

Continuous Preference Orderings Representable by Utility Functions. *Journal of Economics Surveys*, 33-1, pp. 179-194 (2019) doi: 10.1111/joes.12259 (With H. del Valle-Inclán).

Bargaining sets in finite economies. *Journal of Mathematical Economics*, 74, pp. 93-98 (2018) doi.org/10.1016/j.jmateco.2017.11.008 (With J Hervés-Estévez and E. Moreno-García).

Endogenous differential information. *Economic Theory*, 63, pp. 51-72 (2017), doi: 10.1007/s00199-015-0924-5. (With S. Cea-Echenique and J. P. Torres-Martínez).

Walrasian prices in markets with tradable rights. *The Economics of Global Environment*. (2016) Catastrophic risks in theory and policy. *Studies in Economic Theory*, 29, pp. 535-550 Eds. G. Chichilnisky and A. Rezai (With F. Martínez and J. Rivera).

Editor of the book "Trends in Mathematical Economics, Dialogues Between Southern Europe and Latin America" Springer (2016) , pp. 1-383. (With A. Pinto, A. Accinelli Gamba, and E. Yannacopoulos).

A fixed point theorem and equilibria of abstract economies with w-upper semicontinuous set-valued maps. DOI 10.1007/s10957-014-0548-0. *Journal of Optimization Theory and Applications* (2014), Vol. 163, Issue 3, pp 719-7364. (With M. Patriche).

Irrelevance of private information in two-period economies with more goods than states of nature. DOI 10.1007/500199-013-0755-1, *Economic Theory*, (2014), Vol. 55, Issue 2, pp. 439-455. (With J. Correia-da-Silva).

Information and Size of coalitions. DOI 10.1007/s00199-013-0770-2. *Economic Theory*, (2014), Vol 55, Issue 3, pp. 545-563, (With C. Meo and E. Moreno-García).

Information and Sigma-Algebras. *Economic Theory*, (2013), Volume 54, Issue 2, pp. 405-418. (With P. K. Monteiro)

Walrasian Prices in Markets with Tradable Rights. *Economic Theory*, (2012), Vol. 49, No. 2, pp. 497-512. (With F. Martínez and J. Rivera)

General equilibrium with uncertain delivery. *Economic Theory*, (2012), pp. 51:729-755. (With J. Correia-da-Silva)

Equilibrium Price Formation in Markets with Differentially Informed Agents. *Economic Theory*, (2011), Vol. 48, No. 1, pp. 205-218. (With M. Faias and E. Moreno-García)

Strictly Monotonic Preferences on Continuum of Goods Commodity Spaces. *Journal of Mathematical Economics*, (2010), Volume 16, Issue 5, Pgs. 725-727. (With Paulo K. Monteiro)

Las Matemáticas en el reparto de la tarta. *Matematicalia, Economía* (2009), Vol. 5, n 2.

Equilibrium theory with asymmetric information and infinitely many states. *Economic Theory*, (2009), 38, pp. 295-320. (With V.F. Martins-da-Rocha and P.K. Monteiro).

Walrasian Analysis via Two-Player Games. *Games and Economic Behavior*, (2009), 65, pp. 220-233. (With E. Moreno-García).

Prudent Expectations Equilibrium in Economies with Uncertain Delivery. *Economic Theory*, (2009), 39, pp. 67-92. (With J. Correia-da-Silva).

A market game approach to differential information economies. *Economic Theory*, (2009), 38, pp. 321-330. (With G. Fugaloras, E. Moreno-García and J. P Torres-Martínez).

Large economies and two-player games. *Journal of Mathematical Economics*, (2009), 45, 603-608. (With E. Moreno-García).

Symposium on: equilibria with asymmetric information. *Economic Theory* (2009) 38, pp. 217-219. DOI 10.1007/s00199-008-0373-5 (With D. Glycopantis and K. Podczeck)

Competitive Equilibrium and the Grand Coalition. *Journal of Mathematical Economics*, (2008), 44, 697-706. (With E. Moreno-García).

Subjective Expectations Equilibrium in Economies with Uncertain Delivery. *Journal of Mathematical Economics*, (2008), 44, pp. 641-650. (With J. Correia-da-Silva).

Private Information: Similarity as Compatibility. *Economic Theory*, (2007), 30: 395-407 (With J. Correia-da-Silva).

Characterization and Incentive Compatibility of Walrasian Expectations Equilibrium in Infinite Dimensional Commodity Spaces. *Economic Theory*, (2005), 26, pp. 361-381. (With E. Moreno-García and N. C. Yannelis).

An Equivalence Theorem for a Differential Information Economy. *Journal of Mathematical Economics*, (2005) 41, 844-856. (With E. Moreno-García and N.C. Yannelis).

El Poder de Veto de la Gran Coalición. *Investigaciones Económicas*, (2004), XXVIII, 3, 489-513. (With E. Moreno-García).

Discrete Representation of a Continuum Economy. *Decision in Economics and Finance*, (2003) 25, 19-38. (With E. Moreno-García and C. Núñez).

The Veto Mechanism Revisited. *Approximation, Optimization and Mathematical Economics* (2001), Marc Lasonde Editor, Phisica-Verlag, Heidelberg, pp.147-157. (With Emma Moreno-García).

Blocking Efficacy of Small Coalitions in Myopic Economies. *Journal of Economic Theory*, (2000), 93 pp. 72-86. (With E. Moreno-García, C. Nuñez and M.R. Páscoa).

Manipulation-Proof Equilibrium in Atomless Economies with Commodity Differentiation. *Economic Theory*, (1999) 14, pp. 545-563. (With E. Moreno-García and M.R. Páscoa).

Topologies on the Space of Economic Agents. *Journal of Economics* (1999) Supl. 8, pp. 69-78. (With M. Estvez and A. Verdejo).

Numerical Representation of Countably Bounded Preferences. *Journal of Economics* (1999) Supl. 8, pp. 39-51. (With M. Estévez and A. Verdejo).

Espacios Separablemente Conexos. *Revista de la Real Academia de Ciencias Exactas Físicas y Naturales (Matemáticas)* (1998) 92,1 pp. 35-40 (With A. Balbás, M. Estévez and A. Verdejo).

Equilibrio Estratégico en Economías con un Continuo de Agentes. *Revista Española de Economía* (1998) 15,2. pp. 281-288 (With E. Moreno-García).

Some Results on Representation and Extension of Preferences. *Journal of Mathematical Economics*, (1998) 29, pp. 75-81 (With J.C. Candeal and E. Indurain).

On the Existence of Preference Orderings without Utility Representation. *Journal of Mathematical Economics*, (1995), 24, pp. 405-409. (With M. Estévez).

A Discrete Approach to Continuum Economies. *Economic Theory*, (1993). Vol. 3, pp. 577-583. (With J. García-Cutrín)

Applications Economiques des Suites dans les Spaces Vectoriels Topologiques. *Revista de la Academia de Ciencias de Zaragoza*, (1992) 5, pp. 89-102 (With J.C. Candeal and E. Indurain).

Un Modelo de Economía con Ncleo no vacío. *Extractae Mathematicae* (1990) 5, 3, pp.111-118. (With J. García-Cutrín).

Una Generalización de un Teorema de Scarf. *Revista Española de Economía* (1988) 46, pp. 201-208. (With M. Besada and M. Estévez).

Equilibria in Economies with Countably many Commodities. *Economic Letters*, (1988) 26, pp. 203-207. (With M. Besada and M. Estévez).

Núcleo de una economía con infinitas mercancías. *Investigaciones Económicas* (1988) XII (3), pp. 445-453. (With M. Besada and M. Estévez).

Existencia de equilibrio en una economía con producción e infinitas mercancías. *Investigaciones Económicas* (1988) XII (1), pp. 69-83 (With M. Besada and M. Estévez).

Weakly Sequentially Continuous Analytic Functions on a Banach Space. *Functional Analysis, Holomorphy and Approximation Theory II* (1984), North-Holland, Math. Studies 86, pp. 23-38 (With R.M. Aron).

Weakly continuous mappings on Banach spaces. *Journal of Functional Analysis* (1983) 52 (2), pp. 189-204 (With R.M. Aron and M. Valdivia Ureña).

Applications des mesures gaussiennes complexes aux fonctions plurisous harmoniques et analytiques. *Bulletin des Sciences Mathematiques* (1981), 105 pp. 73-83. (With M. Estévez).

Un Teorema de Vitali. *Revista de la Universidad de Santander* (1979)2, pp.129-132 (With M. Estévez).

Medidas Gaussianas Complejas y Aplicaciones. *Publicaciones del Departamento de Teoría de Funciones. Universidad de Santiago de Compostela* (1979).

Mesures gaussiennes complexes et fonctions plurisousharmoniques. *Comptes Rendues de l'Académie des Sciences de Paris* (1978), 287, pp. 417-421 (With M.Estévez).

Research Grants (Head of Research)

2020-2022 Externalidades y Cooperación. PID2019-106281GB-I00 Ministerio de Ciencia e Innovación (AEI/FEDER, UE)

2019-2021 RGEAF (Research Group in Economics, Accounting and Finance). ED431B 2019/35. Xunta de Galicia

2018-2020 Economics and Business Administration for Society (ECOBAS). ED431E2018/02. Xunta de Galicia

2017-2019 Cooperación, Externalidades y Mercados ECO2016-75712-P Ministerio de Economía y Competitividad (AEI/FEDER, UE)

2015-2018 Economics and Business Administration for Society (ECOBAS). AGRUP2015/08. Xunta de Galicia

2013-2015 Competencia, cooperación, negociación y formación de precios (II) ECO2012-38860-C02-02 Ministerio de Economía y Competitividad (AEI/FEDER, UE)

2010-2013 Mercados con información asimétrica: Precios y eficiencia
10 PXIB 300 141 PR Xunta de Galicia

2009-2012 Mercados, Equilibrio e Información Asimétrica
ECO2009-14457-C0401ECON Ministerio de Educacin y Ciencia.

2007-2018 RGEA (Research Group in Economic Analysis). Xunta de Galicia

2007-2010 Información, subastas y coaliciones
PGIDIT07PXIB300095PR Xunta de Galicia.

2006-2009 Economía Matemática SEJ2006-15401-C04-01 Ministerio de Educación y Ciencia and FEDER.

2004-2006 Economía Matemática: Equilibrios, Optimización y Mercados Financieros.
BEC2003-09067-C04-01. Ministerio de Ciencia y tecnología.

2001-2003 Economía Matemática BEC2000-1388-C04-01. Ministerio de Ciencia y tecnología.

1999-2000 Soluciones Cooperativas en Economías con muchos agentes
HP 1998-0084. Ministerio de Ciencia y tecnología.

1997-1999 Economía Matemática y Optimización PB95-0729-C02-01 D.G.I.C.Y.T.

1994-1996 Economía Matemática y Optimización PS93- 0050 D.G.I.C.Y.T.

1992-1994 Economía Matemática. Relaciones de Preferencia PS91-0042 D.G.I.C.Y.T.

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