

## CURRÍCULUM VITAE

May 2016

### ANDREU MAS-COLELL

**Date of Birth:** 29 June, 1944

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#### **Education**

Undergraduate studies in Economics at the Facultat de Ciències Econòmiques of the University of Barcelona. Degree (Licenciado) obtained in 1966 at the Universidad de Valladolid (Bilbao, Spain).

Graduate studies in Economics at the Department of Economics of the University of Minnesota, supported by an Andreas Fellowship and a Beca of the Fundación Juan March (Madrid), (1968-1972); Ph.D. degree obtained in August 1972.

#### **Employment**

Minister of Economy and Knowledge of the Government of Catalonia (from December 2010 to January 2016).

Secretary General of the European Research Council (July 2009-August 2010).

Professor of Economics at Universitat Pompeu Fabra (1995-).

Minister of Universities, Research and the Information Society of the Generalitat de Catalunya (April 2000-Dec 2003).

Commissioner for Universities and Research of the Generalitat de Catalunya (April 1999-April 2000).

Professor, Department of Economics, Harvard University (1981-1996). In 1988 became the first Louis Berkman Professor of Economics.

Research Fellow at MSRI (Berkeley) and Ford Visiting Professor, University of California, Berkeley (1985-1986).

Visiting Professor, Facultat de Ciències Econòmiques, Universitat Autònoma de Barcelona (1981-1982).

Professor, Departments of Economics and Mathematics, University of California, Berkeley (1979-1981).

Associate Professor, Departments of Economics and Mathematics, University of California, Berkeley (1977-1979).

Assistant Professor, Departments of Economics and Mathematics, University of California, Berkeley (1975-1977).

Visiting Scholar, University of Bonn (1976-1977).

Assistant Research Economist, Department of Economics, University of California, Berkeley (1972-1975).

Teaching position (Profesor Ayudante) in the Cátedra de Teoría Económica of the Facultad de Ciencias Económicas of the University of Madrid (1966-1968).

### **Honors and Awards**

Foreign Associate of the National Academy of Sciences of the USA, elected in 1997.

Foreign Honorary Member of the American Economic Association, elected in 1997.

Fellow of the American Academy of Arts and Sciences since 1985.

Member of the Institut d'Estudis Catalans, 2005.

Member of the Real Academia de Ciencias Morales y Políticas, 2007.

Fellow of the Econometric Society since 1978.

Delivered Walras-Bowley Lecture at the 1997 North American Summer Meeting of the Econometric Society, Pasadena.

Delivered Fisher-Schultz Lecture at the 1985 Cambridge World Meeting of the Econometric Society.

Doctor Honoris Causa, Universidad de Alicante, 1992, Spain.

Doctor Honoris Causa, Université de Toulouse, Toulouse, 2002, France.

Doctor Honoris Causa, HEC, Paris 2005, France.

Doctor Honoris Causa, Universidad Nacional del Sur, Bahía Blanca, 2007, Argentina.

Doctor Honoris Causa, University of Chicago, 2015, US.

Recipient of the Creu de Sant Jordi of the Generalitat de Catalunya, 2006.

Recipient of the Science Prize of the Fundació Catalana per a la Recerca (1994)

Recipient of the Narcís Monturiol Medal for Scientific Merit given by the Generalitat de Catalunya (1990).

Recipient of the Rey Juan Carlos Prize in Economics (1988).

Recipient of the Spanish National Research Prize in Social Sciences Pascual Madoz, 2006.

Guggenheim Fellow (1985-1986).

Sloan Fellow (1978-1980).

Recipient of N.S.F. Grants in 1978-1982, 1982-1984, 1985-1987, 1991-1993.

Co-recipient of the Israel-US Binational Science Foundation Grants in 1986 and 1993-96.

Recipient of DGICYT Grant (APC96-0017) from Spanish Education Secretary in 1996 and of DGICYT (PB95-0893) from Spanish Education Secretary for 1996-1999 and of DGI Grant (SEJ2006-09993/ECON).

Member of the Executive Committee of the International Economic Association (1999-2005).

Coordinator of Consolider Award, “Consolidating Economics” from the Ministerio de Educación y Ciencia, 2006.

Recipient of the Cercle d’Economia Prize (May 2008).

Member of the Council of the Institut d’Estudis Nord-americans, 2008.

Recipient of the Reconeixement CECOT al Progrés Empresarial (November 2008).

Co-recipient of the “Prof. Luigi Tartufari” International Prize for Economic Sciences, Accademia Nazionale dei Lincei (June 2009).

Member of the Academia Europaea, July 2009.

Co-recipient of the Prize Fundación BBVA Fronteras del Conocimiento en Economía, Finanzas y Gestión de Empresas 2009.

Fellow of the Society for the Advancement of Economic Theory, July 2011.

### **Journal Editing**

Associate Editor of Theoretical Economics (2006-2008).

Editor of Econometrica (1988-1992).

Editor of the Journal of Mathematical Economics (1985-1989). Member of the Advisory Board (1989 – present).

Member of the Advisory Council of Economic Notes (1990-1994).

Associate Editor of the Economic Theory (1990-1994).

Associate Editor of Mathematics of Social Sciences (1990-1997).

Associate Editor of Revista Española de Economía (1984-1990).

Associate Editor of Games and Economic Behavior (1993-1995).

Associate Editor of Journal of Mathematical Economics (1977-1985).

Associate Editor of Econometrica (1978-1984)).

Associate Editor of the SIAM Journal of Applied Mathematics (1977-1980).

Associate Editor of the Journal of Economic Theory (1975-1980).

Member of the advisory Board of International Journal of Game Theory (1999-2003).

Member of the Advisory Board of the Mathematics and Financial Economics (2006-2009).

### **Professional Activities**

National Science Foundation Panel for the evaluation of research proposals (1978-1980).

Member of Nominating Committee of the American Economic Association, 1990-1995.

Assistant Dean for Affirmative Action of the College of Arts and Sciences (1980-1990), at Harvard University.

Member of the Visiting Committee of the Department of Economics of the University of California, Santa Barbara, 1985.

Chair of Visiting Committee of the Department of Economics at the University of Pennsylvania, 1993-1994.

Chair of Visiting Committee of the Department of Economics at The Hebrew University of Jerusalem, 1996.

Chair of Visiting Committee of the School of Economics and Business of the Universidade Catolica de Lisboa, 2004

Member of the Visiting Committee of the CORE Research Center, Lovaina University, 1998.

Member of the Comisión XII of the Consejo de Universidades for the modification of the Economics curricula at Spanish Universities, 1985.

Member of Ad Hoc Committee appointed by the Spanish Minister of Education to determine criteria for merit research and salary increases for Spanish university professors (1989-1990).

Chair of the Commission on “The Structure and Instruments of Science Policy” for the “Acción CRECE” promoted by COSCE (Confederación de Sociedades Científicas de España”), 2005.

Member of the first Executive Board of the Universitat Pompeu Fabra, Barcelona (1990-1994). Vice rector, 1996.

Head of the Economics and Business Department, Universitat Pompeu Fabra (1997-1999).

President of the Econometric Society (1993).

Second Vice President and First Vice President (1992) of the Econometric Society (1991).

Member of the Executive Committee of the Econometric Society (1986-1994).

Member of the Executive Council of the Econometric Society (1982-1989), (1998-2002).

First President of the Asociación Española de Economía/Revista Española de Economía (AEA/REE), (1996-1998).

Member of the Editorial Board of “The New Palgrave Dictionary of Economics, 2nd edition” (2003).

Member of the Council of the Game Theory Society (2001-2007).

Member of the Executive Council of the European Economic Association (2005-2007).

President of the Advisory Scientific Council of Telefónica, Investigación y Desarrollo (2005-2008).

President of the European Economic Association for 2006.

Member of the Research Committee of the Societat Econòmica Barcelonesa d'Amics del País, SEBAP, 2006-2008.

Member of the International Advisory Board (IAB) of the Faculty of Economics and Business Administration (FEBA), University of Maastricht (2006-2009).

Member of the Board of IMDEA (Instituto Madrileño de Estudios Avanzados) (2004-2007).

Member of the Advisory Scientific Council of the Paris School of Economics (2006-2008).

Member of the Advisory Scientific Council of the Toulouse School of Economics (2006-2008).

Member of the Scientific Advisory Committee of COEURE (Cooperation on European Research in Economics) 2014.

Chairman of the Board of the Barcelona Graduate School of Economics (2006-2010).

Member of the Scientific Advisory Board of the Centre de Recerca Matemàtica (2007-2009).

Member of the Panel for the International Benchmarking Review of UK Economics, 2008.

Member of the Board of Directors of Cercle d'Economia (2008-2010) .

Member of the Scientific Committee of Abertis Foundation, 2008.

Member of the Advisory Board /Council of the Barcelona Institute of Architecture (BIA), 2009.

## **PUBLICATIONS**

### **Books and pamphlets**

Noncooperative Approaches to the Theory of Perfect Competition (editor), Academic Press, 1982. It includes a Presentation chapter.

The Theory of General Economic Equilibrium: A Differentiable Approach, Cambridge University Press, 1985. Paperback edition, 1990. Spanish translation by A. Manresa published by Fundación Argentaria, 1992.

Contributions to Mathematical Economics, in Honor of Gérard Debreu, (joint editor with W. Hildenbrand), North-Holland, 1986.

Equilibrium Theory and Applications (joint editor with W. A. Barnett, B. Cornet, C. d'Aspremont and J. J. Gabszewicz), Cambridge University Press, 1991.

Microeconomic Theory (with M. Whinston and J. Green), Oxford University Press, 1995. Chinese translation: 2001.

Cooperation: Game Theoretic Approaches (joint editor with Sergiu Hart) NATO ASI Series. Series F, Vol. 155, Springer Verlag, 1997.

Nuevas Fronteras de la Política Económica, 1998, (joint editor with Massimo Motta, published by CREI, 1999).

Higher Aspirations: an Agenda for Reforming European Universities, (with Philippe Aghion, Mathias Dewatripont, Caroline Hoxby and André Sapir.). Bruegel Blueprint Series Num. 5, Bruegel, 2008.

Simple Adaptive Strategies from Regret-Matching to Uncoupled Dynamics (with S. Hart), World Scientific Series in Economic Theory, Vol. 4, 2013.

Translation into Spanish of G. Debreu's Theory of Value (with J. Oliu) Editorial Bosch, Barcelona, 1974.

### **Articles**

1. "General Possibility Theorems for Group Decisions", with H. Sonnenschein) Review of Economic Studies, Vol. 39, No 2, p. 205-212, April 1972.
2. "Racionalidad y Decisividad en la Teoría de la Elección Social". Moneda y Crédito, Vol. 122, p. 3-12, September 1972.
3. "A Model of Intersectoral Migration and Growth", (with A. Razin) Oxford Economic Papers, Vol. 25, No. 1, p. 72-79, March 1973.
4. "Instantaneous and Noninstantaneous Adjustment in Two Sector Growth Models", (with A. Bosch and A. Razin) Metroeconomica, Vol. 25, p. 1-14, 1973.
5. "La Regla de Oro en la Acumulación y la Elasticidad de Sustitución Unitaria en Modelos Bisectoriales", Revista Española de Economía , Vol 3, No. 2, p. 75-95, May, 1973.
6. "Continuous and Smooth Consumers: Approximation Theorems", Journal of Economic Theory, Vol. 8, No. 3), p. 305-336, July 1974.
7. "A Note on a Theorem of F. Browder", Mathematical Programming, Vol 6, No. 1, p 229-233, December 1974.
8. "A Characterization of Community Excess Demand Functions", (with D. McFadden, R. Mantel, and M. Richter) Journal of Economic Theory, Vol. 9, No. 4, p. 361-374, 1974.
9. "An Equilibrium Existence Theorem without Complete or Transitive Preference", Journal of Mathematical Economics, Vol. 1, No.3, p.237-246, December, 1974
10. "Algunas Observaciones sobre la Teoría del Tatonnement de Walras en Economías Productivas", Anales de Economía, 21, May 1974.
11. Introduction to the Spanish Translation of K. Arrow "Social Choice and Individual Values". Instituto de Estudios Fiscales, 1974.
12. A Further Result on the Representation of Games by Markets, Journal of Economic Theory, Vol. 10, p. 117-122, 1975.
13. "On the Continuity of Equilibrium Prices in Constant Returns Production Economies", Journal of Mathematical Economics, Vol. 2, No. 1, p.21-33, 1975.
14. "An Equilibrium Existence Theorem for a General Model without Ordered Preferences", with D. Gale) Journal of Mathematical Economics, Vol. 2, No. 1, p.9-15, March 1975.

- Also, “Corrections to an Equilibrium Existence Theorem for a General Model without Ordered Preferences”, Journal of Mathematical Economics, Vol. 6, No. 3, p. 297-298, December 1979.
15. “A Model of Equilibrium with Differentiated Commodities”, Journal of Mathematical Economics, Vol. 2, No. 2, p.263-295, June-Sept. 1975.
  16. “En Torno a una Propiedad Poco Atractiva del Equilibrio Competitivo”, Moneda y Crédito, Vol. 136, p. 11-27, March 1976.
  17. “A Remark on a Smoothness Property of Convex Preorders”, Journal of Mathematical Economics, Vol. 3, No. 1, p. 103-105, 1976.
  18. “The Demand Theory of the Weak Axiom of Revealed Preference”, (with R. Kihlstrom and H. Sonnenschein) Econometrica, Vol. 44, No. 5, p. 971-978, September 1976.
  19. “The Recoverability of Consumer’s Preferences from Market Demand Behavior”, Econometrica, Vol. 45, No. 6, p. 1409-1430, September 1977.
  20. “Sobre la Computación de los Equilibrios en Economías Lineales”, Cuadernos de Economía, Vol. 5, No. 14, p. 443-461, 1977.
  21. “Some Generic Properties of Excess Demand and an Application”, (with W. Neufeind) Econometrica, Vol. 45, No. 3, p.591-600, April 1977.
  22. “Regular Non-Convex Economies”, Econometrica, Vol. 45, No. 6, p. 1387-1407, September 1977.
  23. “Indivisible Commodities and General Equilibrium Theory”, Journal of Economic Theory, Vol. 12, No. 2, p. 443-456, December 1977.
  24. “On the Continuous Representation of Preorders”, International Economic Review, Vol. 18, no 2, p. 509-513, June 1977.
  25. “Competitive and Value Allocations of Large Exchange Economies”, Journal of Economic Theory, Vol. 14, no 2, p.419-438, April 1977.
  26. “On the Equilibrium Price Set of a Pure Exchange Economy”, Journal of Mathematical Economics, Vol 4, No. 2, p.117-126, August 1977.
  27. “On Revealed Preferences Analysis”, Review of Economic Studies, Vol. 45, No. 1, p. 121-131, February 1978.
  28. “On the Role of Complete Transitive Preference in Equilibrium Theory”, (with D. Gale) in Equilibrium and Disequilibrium in Economic Theory, G. Schwodiauer, ed. Reidel, 1978.
  29. “Notes on the Smoothing of Aggregate Demand”, (with A. Araujo) Journal of Mathematical Economics, Vol. 5, No. 2, p. 113-127, September 1978.
  30. “A Note on the Core Equivalence Theorem: How Many Blocking Coalitions Are There?”, Journal of Mathematical Economics, Vol. 5, No. 3, p. 207-215, December 1978.
  31. “A Selection Theorem for Open Graph Correspondences with Star-Shaped Values”, Journal of Mathematical Analysis and Applications, Vol. 68, No. 1, p. 273-275, March 1979.

32. "Homoeomorphism of Compact, Convex Sets and the Jacobian Matrix", SIAM Journal of Mathematical Analysis, Vol. 10, No. 6, p. 1105-1109, November 1979.
33. "Two Propositions on the Global Univalence of Systems of Cost Functions", in General Equilibrium Growth and Trade, J. Green and J. Scheinkman (eds.), Academic Press, 1979.
34. "A Refinement of the Core Equivalence Theorem", Economic Letters, Vol. 3, No. 4, p. 307-310, 1979.
35. "Remarks on the Game-Theoretic Analysis of a Simple Distribution of Surplus Problems", International Journal of Game Theory, Vol. 9, no.3, p. 125-140, 1980.
36. "Efficiency Properties of Strategic Market Games: An Axiomatic Approach", (with P. Dubey and M. Shubik) Journal of Economic Theory, Vol. 22, No. 2, p. 339-362, April 1980.
37. "On Efficiency and Decentralization in the Pure Theory of Public Goods", Quarterly Journal of Economics, Vol. 94, No. 4, p. 625-641, June 1980.
38. "Revealed Preferences after Samuelson", Samuelson and Neo-Classical Economics (ed. by G. Feiwel), 1981, Martin Neijoff.
39. "Perfect Competition and the Core", Review of Economic Studies, Vol. 49, No. 1, p. 15-30, January 1982.
40. "The Cournotian Foundations of Walrasian Equilibrium Theory: An Exposition of Recent Theory", in Advances in Economic Theory, W. Hildenbrand, ed., Econometric Society Publication No. 1, Cambridge University Press, 1981.
41. "Walrasian Equilibria as Limits of Non Cooperative Equilibria: Mixed Strategies", Journal of Economic Theory, Vol. 30, No. 1, p.153-170, June 1983.
42. "Teoría del Desempleo en Keynes y en la Actualidad", 1983, Información Comercial Española, Vol. 593, p. 68, 1983.
43. "Gestion au Cout Marginal et Efficacité de la Production Aggrégée: un Exemple", (with P. Beato) Annales de l'INSEE, Vol. 51, p. 39-46, 1983.
44. "An Observation on Gross Substitutability and the Weak Axiom of Revealed Preference", (with T. Kehoe) Economic Letters, Vol. 15, No. 3-4, p.241-243, 1984.
45. "The Marginal Cost Pricing Rule as a Regulation Mechanism in Mixed Markets", (with P. Beato) in The Performance of Public Enterprises, M. Marchand, P. Pestieau and H. Tulkens, eds., North-Holland, 1984.
46. "The Profit Motive in the Theory of Monopolistic Competition", Zeitschrift für Nationalökonomie/Journal of Economics, Supplementum 4, 1984.
47. "On a Theorem of Schmeidler", Journal of Mathematical Economics, Vol. 13, No. 3, p. 201-206, December 1984.
48. "On Marginal Cost Pricing with Given Tax-Subsidy Rules", (with P. Beato) Journal of Economic Theory, Vol. 37, No. 2, p. 356-365, December 1985.
49. "On the Theory of Perfect Competition", 1984 Nancy L. Schwarz Memorial Lecture delivered at the Kellogg School of Management, Northwestern University. Edited by the Kellogg School, 1985.

50. "Pareto Optima and Equilibria: The Finite Dimensional Case", in Advances in Equilibrium Theory, (C. Aliprantis, O. Burkinshaw and N. Rothman, eds.) Lecture Notes in Economics, No. 244, Springer-Verlag, 1985.
51. "La Libre Entrada y la Eficiencia Económica: Un Análisis de Equilibrio Parcial", Revista de Economía Española, Vol . 2, No. 1, p. 135-152, 1985.
52. "An Introduction to the Differentiable Approach in the Theory of Economic Equilibrium," in Studies in Mathematical Economics (S. Reiter, ed.), Vol. 25 of the AMS Studies in Mathematics, American Mathematical Society, 1986
53. "Notes on Price-Quantity Tatonnement Dynamics", in Models of Economics Dynamics, H. Sonnenschein, ed. Lecture Notes in Economics and Mathematical Systems, Vol. 264, p. 49-68, Springer-Verlag. 1986.
54. "Valuation Equilibrium and Pareto Optimum Revisited", Chapter 17 in Advances in Mathematical Economics", (A. Mas-Colell and W. Hildenbrand, eds.) North-Holland, 1986.
55. "Four lectures on the Differentiable Approach to General Equilibrium Theory" in Mathematical Economics (Montecatini Terme), A. Ambrosetti, F. Gori and R. Lucchetti (eds.), Lecture Notes in Mathematics, No. 1330, Springer-Verlag, 1986.
56. "A l'Entorn de la Solidaritat Económica amb el Tercer Món", L'Opinió Socialista, Vol. 2, p. 45-51, 1986.
57. "The Price Equilibrium Existence Problem in Topological Vector Lattices, Econometrica, Vol 54, No. 5, p. 1039-1054, September 1986.
58. "Engel Curves Leading to the Weak Axiom in the Aggregate", (with X. Freixas) Econometrica, Vol. 55, No. 3, p. 515-531, May 1987.
59. "On the Second Welfare Theorem for Anonymous Net Trades in Exchange Economies with Many Agents", Information, Incentives and Economic Mechanisms: Essays in Honor of L. Hurwicz (T. Groves, R. Radner and S. Reiter, eds.) University of Minnesota Press, p. 267-292, 1987.
60. "Economías con rendimientos crecientes a escala", German Bernacer Lectures 1987, Universidad de Alicante, published by The Generalitat Valenciana, 1987.
61. "Algunos Comentarios sobre la Teoría Cooperativa de los Juegos", Cuadernos Económicos, Vol. 40, No. 3, p. 143-162, 1988.
62. "Core Allocations and Pareto Optima Far from Demand Sets", (with R. Anderson), published as Appendix to R. Anderson: The Second Welfare Theorem with Non-Convex Preferences, Econometrica, Vol. 56, No. 2, p. 361-382, 1988.
63. "The Potential of the Shapley Value", (with S. Hart), The Shapley Value (A. E. Roth, editor), Cambridge University Press, p. 127, 1988.
64. Acceptance speech for the Rey Juan Carlos Prize of Economics, published by the Bank of Spain, 1989.
65. "Potential, Value and Consistency", (with S. Hart), Econometrica, , Vol. 57, No. 3, p. 589-614, 1989.

66. “Real Indeterminacy with Financial Assets”, (with J. Geanakoplos), Journal of Economic Theory, Vol. 47, No. 1, p. 22-38, February 1989.
67. “Cost Share Equilibria: A Lindahl Approach”, (with J. Silvestre). Journal of Economic Theory, Vol. 47, No. 2, p. 239-256, April 1989.
68. “Recent Developments in the Theory of Incomplete Markets”, Economic Record, Vol. 65, Issue 188, p. 82-84. 1989.
69. “Capital Theory Paradoxes: Anything Goes”, Chapter 17, Joan Robinson and Modern Economic Theory, (G. Feiwel, ed.), New York. New York University Press; distributed by Columbia University Press, p. 505-520, 1989.
70. “Comentaris Sobre la Riquesa de les Regions”, Anuari, Vol. 7, p. 56-64, 1989. Societat Catalana d’Economia, Institut d’Estudis Catalans.
71. “An Equivalence Theorem for a Bargaining Set”, Journal of Mathematical Economics, Vol. 18, No. 2, p. 129-139, 1989.
72. “Determinacy of Equilibrium in Large-Square Economies”, (with T. Kehoe, D. Levine and W. Zame), Journal of Mathematical Economics, Vol. 18, No. 3, p. 231-262, 1989.
73. “A Geometric Approach to a Class of Fixed Point Theorems”, (with M. C. Hirsch and A. Magill), Journal of Mathematical Economics, Vol. 19, No. 1-2, p. 95-106, 1990.
74. “Comments to Session on Infinite-Dimensional Equilibrium Theory of the 6th World Congress of the Econometric Society”, in Advances in Economic Theory, (J. J. Laffont, ed.), Cambridge University Press 1990.
75. “El retorno del viaje”, Revista de Economía, No. 7, p. 65-72, 1990. Reprinted in Problemas Económicos de la Unión Soviética, (J. Fuentes Quintana, ed.), 1991, Espasa-Calpe.
76. “A New Approach to the Existence of Equilibria in Vector Lattices”, (with S. Richard), Journal of Economic Theory, Vol. 53, No. 1, p. 1-11, February 1991.
77. “Sobre el Problema del Determinisme en Teoria Económica”, Invitació a la Teoria Econòmica, (X. Calsamiglia and R. Marimon, eds.), 1991, Ediciones Ariel, Barcelona.
78. “Gross Substitutability in Large Square Economies”, (with D. Levine, T. Kehoe and M. Woodford), Journal of Economic Theory, Vol. 54, No. 1, p. 1-25, June 1991.
79. “On the Uniqueness of Equilibrium Once Again”, Equilibrium Theory and Applications, (W. A. Barnett, B. Cornet, C. d’Aspremont, J. Gabszewicz, and A. Mas-Colell, eds.), Cambridge University Press, 1991.
80. “On the Finiteness of the Number of Critical Equilibria, with an Application to Random Selections”, (with J. Nachbar), Journal of Mathematical Economics, Vol. 20, No. 4, p. 397-419, 1991.
81. “Equilibrium Theory in Infinite Dimensional Spaces, (with W. Zame) Handbook of Mathematical Economics Vol.4 (W. Hildenbrand and Sonnenschein, eds.), North Holland, p. 1835-1898, 1991.
82. “Indeterminacy in Incomplete Market Economies”, Economic Theory, Vol. 1, No. 1, p. 45-61, 1991.

83. “An Axiomatic Approach to the Efficiency of Non-Cooperative Equilibrium in Economies with a Continuum of Traders”, in Equilibrium Theory in Infinite Dimensional Spaces, (M. A. Khan and N. C. Yannelis, eds.), 1991, Springer-Verlag.
84. “A Note on Cost-Share Equilibrium and Consumer-Owners”, (with J. Silvestre), Journal of Economic Theory, Vol. 54, No. 1, p. 204-214, June 1991.
85. Acceptance speech for Doctor Honoris Causa, Universitat d’Alacant, Spain, 1992.
86. “Three Observations on Sunspots and Asset Redundancy”, Economic Analysis of Markets and Games, (P. Dasgupta, D. Gale, O. Hart and E. Maskin, eds), MIT Press, 1992.
87. “Equilibrium Theory with Possibly Satiated Preferences”, Equilibrium and Dynamics: Essays in Honor of David Gale, edited by Mukul Majumdar. New York: St. Martin’s Press, p. 201-213. 1992.
88. “On Aggregate Demand in a Measure Space of Agents”, 1973, CMRS Working Paper IP-183, University of California, Berkeley, published in Economic Theory and International Trade: (“Essays in Memoriam of J. Trout Rader”), (W. Neuefeind and R. G. Riezman, eds.) Springer-Verlag, 1992.
89. “A Noncooperative Interpretation of Value and Potential”, (with S. Hart), in Rational Interaction (“Essays in Honor of John C. Harsanyi”), (R. Selten, ed.), Springer-Verlag, 1992.
90. “Implementation in Economies with a Continuum of Agents”, (with X. Vives), Review of Economic Studies, Vol. 60, No. 203, p. 613-629, 1993.
91. “L’Economia de les Ciutats”, Barcelona Economia, 20, published by Ajuntament de Barcelona, p. 9-14, 1993.
92. “Elogi del Creixement Econòmic”, El món cap a on anem, Jordi Nadal ed., Eumo Editorial, p. 183-214, 1994.
93. “Sobre el Caràcter Obligatori i Universal de l’Assegurança de Salut”, Anàlisi Econòmica de la Sanitat, Departament de Sanitat, Generalitat de Catalunya, G. López Casanovas Ed., p. 63-75. 1994
94. “L’Anàlisi Econòmica i el Dret”, Iuris, Quaderns de Política Jurídica, Vol. 3, p. 73-85., 1994.
95. Two entries for the New Palgrave Dictionary of Economics: “Cooperative Equilibria” and “Non-Convexities”, 1994.
96. “Stationary Markov Equilibria”, (with D. Duffie, J. Geanakoplos and A. MacLennan), Econometrica, Vol. 62, No. 4, p.745-782, July 1994.
97. “Egalitarian Solutions of Large Games: I. A Continuum of Players”. (with S. Hart). Mathematics of Operations Research, Vol. 20, No. 4, p. 959-1002, November 1995.
98. “Egalitarian Solutions of Large Games: II The Asymptotic Approach”. (with S. Hart). Mathematics of Operations Research, Vol. 20, No. 4, p.1003-1022, November 1995.
99. “The Determinacy of Equilibria Twenty Five Years Later”, Economics in a Changing World Proceedings of the tenth World Congress of the International Economic Association, p. 182-90, Moscow, 1992 (B. Allen, ed.) Palgrave 1996

100. “Self fulfilling Equilibria: An Existence Theorem for a General State Space”, (with P. K. Monteiro) Journal of Mathematical Economics Vol. 26, No. 1, p. 51-62, 1996.
101. “The existence of Security Market Equilibrium with a Non-Atomic State Space”. (with W. Zame) Journal of Mathematical Economics Vol. 26, No. 1, p.63-84, 1996.
102. “Harsanyi Values of Large Economies: Nonequivalence to Competitive Equilibria”, (with S. Hart) Games and Economic Behavior Vol. 13, No. 1, p. 74-99, March 1996.
103. “Bargaining and Value”, (with S. Hart) Econometrica vol. 64, No 2 p. 357-380, 1996.
104. “Bargaining Games”, in Cooperation: Game-Theoretic Approaches, S. Hart and A. Mas-Colell, eds., Springer, p. 69-91, 1996
105. “On the Stability of Best Reply and Gradient Systems with Applications to Imperfectly Competitive Models” (with L. Corchón) Economic Letters Vol. 5, No. 1, p. 59-65, April 1996.
106. “Una Reforma Estructural Necessària: la Relació Catalunya-Espanya”, Revista Econòmica de Catalunya, Vol. 34, p.9-16, 1998. Republished in Catalunya I Espanya una Relació Econòmica I Fiscal a Revisar, G. López-Casasnovas Ed., Ed. Proa, p. 127-150, 1998.
107. “Finite Horizon Bargaining and the Consistent Field”, (with A. Gomes and S. Hart) Games and Economic Behavior, Vol. 27, No. 2, p. 204-228, May 1999.
108. “The Future of General Equilibrium”, Spanish Economic Review, Vol. 1, No. 3, p. 207-214, November 1999.
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