

## Carlos Alós-Ferrer

### 1 Personal Data

- ◇ Nationality: Spanish; Born in Moncófar (Castellón, Spain) on November 22nd, 1970.
- ◇ Contact: Department of Economics, University of Cologne.  
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Phone: [+49]-(0)221 470-8303, Fax: [+49]-(0)221 470-8321  
E-Mail: Carlos.Alos-Ferrer@uni-koeln.de
- ◇ Languages: English, German (fluent); Spanish, Catalan (native speaker).

### 2 Education

- 2004 “Habilitation” in Economics, University of Vienna (Austria).
- 1998 Ph.D. in Economics, University of Alicante (Spain)
- 1995 Master in Quantitative Economics. University of Alicante (Spain)
- 1992 Master of Science, Mathematics. Univ. of Valencia (Spain)

### 3 Appointments and Academic Positions

- 2012-... Full Professor of Microeconomics (*Professor (W3)*, tenured) at the Dpt. of Economics, University of Cologne (Germany)
- 2011 Call as Full Professor at the University of Maastricht (The Netherlands), declined.
- 2008 Call as Full Professor at the University of Lausanne (Switzerland), declined.
- 2005-2012 Full Professor of Microeconomics (*Professor (W3)*, tenured) at the Dpt. of Economics, University of Konstanz (Germany)
- 2004-2005 Associate Professor (*außerordentlicher Professor*, tenured) at the Dpt. of Economics, University of Vienna (Austria)
- 2002-2004 Associate Professor (*Titular de Universidad*, tenured) at the Dpt. of Economics, University of Salamanca (Spain)
- 1997-2004 Assistant Professor (*Univ.Assistent*) at the Dpt.of Economics, Univ.of Vienna (Austria)
- 1996-1997 Research Fellow, Spanish Ministry of Education. Univ. Alicante (Spain)
- 1993-1996 Assistant (*AYEU,AYU*) at the Dpt. of Economics, Univ. Alicante (Spain)
- 1992-1993 Numerical Processes Controller. “García Ballester, SL”. Burriana (Spain)

### 4 Awards

- 2016 Best Paper Award, Association for NeuroPsychoEconomics (Bonn)
- 2014 Best Paper Award, Association for NeuroPsychoEconomics (Munich)
- 2005 Figdor Prize for Law, Social and Economic Sciences, Austrian Academy of Sciences

1999 Austrian Economic Association Award to Young Economists

1998 Extraordinary Ph.D. Award (Quantitative Economics), University of Alicante (Spain)

1992 Extraordinary Master Award (Mathematics), University of Valencia (Spain)

## 5 Other Academic Activities

### Academic Organization:

- ◇ Organizer of the NeuroPsychoEconomics Conference 2018, Cologne.
- ◇ Member of the Grants Committee (*Fachkollegium*) for Economics of the German Research Foundation (DFG), 2016-2020.
- ◇ Speaker, Research Unit “Psychoeconomics”, financed by the German Research Foundation (DFG: FOR 1882), 2012-2018.
- ◇ Speaker, Forum “Motivation, Self-Control, and Economic Behavior” at the University of Cologne, 2015-2016.
- ◇ Speaker, Center for Psychoeconomics at the University of Konstanz, 2008-2011.

### Editorial Activities:

- ◇ **Associate Editor**, Economic Theory, since 2017.
- ◇ **Associate Editor**, Mathematical Social Sciences, since 2014.
- ◇ **Associate Editor**, Journal of Economic Psychology, since 2013.
- ◇ **Associate Editor**, Journal of Economic Behavior and Organization, since 2011.
- ◇ **Guest Editor**, special issue on Dual Processes and Multiple Selves, Journal of Economic Psychology (together with Fritz Strack), published 2014.
- ◇ **(Founding) Editor in Chief**, *Games* (MDPI publishing, Basel), 2009-2012.
- ◇ **Associate Editor**, The B.E. Journal of Theoretical Economics, 2008-2012.
- ◇ **Referee for** Econometrica, American Economic Review, Review of Economic Studies, Theoretical Economics, Journal of Economic Theory, Games and Economic Behavior, International Journal of Industrial Organization, International Journal of Game Theory, Economic Theory, International Economic Review, Social Choice and Welfare, Journal of Economic Behavior and Organization, Journal of Economic Dynamics and Control, Dynamics Games and Applications, Journal of Mathematical Economics, Theory and Decision, Canadian Journal of Economics, JITE, DCDS-B, Algorithmica, Journal of Theoretical Biology, Theoretical Population Biology, Mathematics of Operations Research, PNAS, Proceedings of the Royal Society,

**Memberships:** Verein für Socialpolitik (*Theoretischer Ausschuss, Industrieökonomischer Ausschuss, Sozialwissenschaftlicher Ausschuss*), Game Theory Society, Econometric Society, European Economic Association, American Economic Association, Association for Psychological Science (APS).

## 6 Research projects (third-party funding):

- 2016-2018 Stochastic Stability in Networks and Markets, German Research Foundation (DFG) (Principal Investigator), Al-1169/5. Funding:  $\sim$  420,000 Euro.
- 2015-2016 Speaker, Forum “Motivation, Self-Control, and Economic Behavior”, funded within the “Exzellenzinitiative” at the University of Cologne. Funding  $\sim$  200,000 Euro.
- 2012-2018 Speaker and Coordinator of the Research Unit “Psychoeconomics”, German Research Foundation (DFG) (Speaker), FOR 1882 (Coordination project: Al-1169/3). Total funding  $\sim$  3.4 Million Euro.
- 2012-2015 Economic Rationality and Competing Behavioral Rules, project within the Research Unit “Psychoeconomics”, German Research Foundation (DFG) (Principal Investigator), Al-1169/4. Funding:  $\sim$  320,000 Euro.
- 2012-2016 Approval Voting: Theory and Experiments, German Research Foundation (DFG) (Principal Investigator), Al-1169/2. Funding:  $\sim$  197,000 Euro.
- 2010-2016 The Theory of Sequential Decisions, German Research Foundation (DFG) (Principal Investigator), Al-1169/1-1 and -2. Part of a German-Austrian cooperation under the D-A-CH Lead Agency program. Funding (German part):  $\sim$  479,000 Euro.
- 2008-2011 Center for Psychoeconomics (Speaker), Research Center within the “Exzellenzinitiative” at the University of Konstanz.
- 2005-2009 Evolutionary Economic Models in Finite Populations (Principal Investigator), Austrian Science Fund (FWF) Project Nr. P 18141.
- 2003-2004 Evolutionary Stability in Economic Problems and the Evolution of Preferences (Coordinator in Spain), Acciones Integradas Spain-Austria, Ministerio de Educación y Cultura (Project HU02-4) / Österreichischer Austauschdienst (Project 18/2003).
- 2002-2005 Behavioral Models in Economics and Finance (Coordinator at the European Level), European Science Foundation (Austria/Switzerland/Spain).
- 2003-2004 Estabilidad Evolutiva en Contextos Económicos (Principal Investigator), Junta de Castilla y León Project SA114/03.
- 2002-2003 Bounded Rationality and Markets (Researcher), Jubiläumsstiftung der Stadt Wien.

## 7 Publications (Journal Articles)

62. [Forthc] “Performance Curiosity,” joint with Jaume García-Segarra and Alexander Ritschel, **Journal of Economic Psychology**, forthcoming.
61. [Forthc] “A Review Essay on Social Neuroscience: Can Research on the Social Brain and Economics Inform Each Other?,” **Journal of Economic Literature**, forthcoming.
60. [Forthc] “A Dual-Process Diffusion Model,” **Journal of Behavioral Decision Making**, forthcoming.
59. [2017] “Cournot vs. Walras: A Reappraisal through Simulations,” joint with Johannes Buckenmaier, **Journal of Economic Dynamics and Control**, 82, September 2017, 257–272.
58. [2017] “Super-Additivity and Concavity are Equivalent for Pareto Optimal  $n$ -Agent Bargaining Solutions,” joint with Jaume García-Segarra and Miguel Ginés-Vilar, **Economics Letters**, 157, August 2017, 50–52.
57. [2017] “Framing Effects and the Reinforcement Heuristic,” joint with Sabine Hügelschäfer and Jiahui Li, **Economics Letters**, 156, July 2017, 32–35.
56. [2017] “Does Backward Induction Imply Subgame Perfection?,” joint with Klaus Ritzberger, **Games and Economic Behavior**, 103, May 2017, 19–29.
55. [2017] “Characterizations of Perfect Recall,” joint with Klaus Ritzberger, **International Journal of Game Theory**, 46(2), May 2017, 311–326.
54. [2017] “Market Selection by Boundedly-Rational Traders under Constant Returns to Scale,” joint with Georg Kirchsteiger, **Economics Letters**, 153, April 2017, 51–53.
53. [2017] “On the Convergence of Logit-Response to (Strict) Nash Equilibria,” joint with Nick Netzer, **Economic Theory Bulletin**, 5(1), April 2017, 1–8.
52. [2017] “Trader Matching and the Selection of Market Institutions,” joint with Johannes Buckenmaier, **Journal of Mathematical Economics**, 69, February 2017, 118–127.
51. [2017] “Characterizing Existence of Equilibrium for Large Extensive Form Games: A Necessity Result,” joint with Klaus Ritzberger, **Economic Theory**, 63 (2), February 2017, 407–430.
50. [2016] “Faith in Intuition and Cognitive Reflection,” joint with Sabine Hügelschäfer, **Journal of Behavioral and Experimental Economics**, 64, October 2016, pp. 61–70.
49. [2016] “Cognitive Reflection, Decision Biases, and Response Times,” joint with Michele Garagnani and Sabine Hügelschäfer, **Frontiers in Psychology**, 7, Article 1402, September 2016, pp. 1–21.
48. [2016] “The Impact of Self-Control Depletion on Social Preferences in the Ultimatum Game,” joint with Anja Achtziger and Alexander K. Wagner, **Journal of Economic Psychology**, 53, April 2016, pp. 1–16.

47. [2016] “Preference Reversals: Time and Again,” joint with Đura-Georg Granić, Johannes Kern, and Alexander K. Wagner, **Journal of Risk and Uncertainty**, 52 (1), February 2016, pp. 65-97.
46. [2016] “Inertia and Decision Making,” joint with Sabine Hügelschäfer and Jiahui Li, **Frontiers in Psychology**, 7, Article 169, February 2016, pp. 1-9.
45. [2016] “Equilibrium Existence for Large Perfect Information Games,” joint with Klaus Ritzberger, **Journal of Mathematical Economics**, 62, January 2016, pp. 5-18.
44. [2015] “Self-Control Depletion and Decision Making,” joint with Sabine Hügelschäfer and Jiahui Li, **Journal of Neuroscience, Psychology, and Economics**, 8(4), December 2015, pp. 203-216.
43. [2015] “Repeated Games in Continuous Time as Extensive Form Games,” joint with Johannes Kern, **Journal of Mathematical Economics**, 61, December 2015, pp. 34-57.
42. [2015] “Higher Incentives Can Impair Performance: Neural Evidence on Reinforcement and Rationality,” joint with Anja Achtziger, Sabine Hügelschäfer, and Marco Steinhauser, **Social Cognitive and Affective Neuroscience**, 10 (11), November 2015, pp. 1477-1483.
41. [2015] “Learning and Market Clearing: Theory and Experiments,” joint with Georg Kirchsteiger, **Economic Theory**, 60 (2), October 2015, pp. 203-241.
40. [2015] “On the Characterization of Preference Continuity by Chains of Sets,” joint with Klaus Ritzberger, **Economic Theory Bulletin**, 3 (2), October 2015, pp. 115-128.
39. [2015] “Political Space Representations with Approval Data,” joint with Đura-Georg Granić, **Electoral Studies**, 39, September 2015, pp. 56-71.
38. [2015] “Money, Depletion, and Prosociality in the Dictator Game,” joint with Anja Achtziger and Alexander K. Wagner, **Journal of Neuroscience, Psychology, and Economics**, 8(1), March 2015, pp. 1-14.
37. [2015] “Robust Stochastic Stability,” joint with Nick Netzer, **Economic Theory**, 58 (1), January 2015, pp. 31-57.
36. [2015] “Choice-Induced Preference Change and the Free-Choice Paradigm: A Clarification,” joint with Fei Shi, **Judgment and Decision Making**, 10(1), January 2015, pp. 34-49.
35. [2014] “Imitation and the Role of Information in Overcoming Coordination Failures,” joint with Simon Weidenholzer, **Games and Economic Behavior**, 87, September 2014, pp. 397-411.
34. [2014] “Fast or Rational? A Response-Times Study of Bayesian Updating,” joint with Anja Achtziger, **Management Science**, 60 (4), April 2014, pp. 923-938.
33. [2014] “From Dual Processes to Multiple Selves: Implications for Economic Behavior,” joint with Fritz Strack, **Journal of Economic Psychology**, 41, April 2014, pp. 1-11.

32. [2014] “Adaptive Preferences and Institutional Stability: Comment,” **Journal of Institutional and Theoretical Economics**, 170 ( 1), February 2014, pp. 37-42.
31. [2014] “The Neural Basis of Belief Updating and Rational Decision Making,” joint with Anja Achtziger, Sabine Hügelschäfer, and Marco Steinhauser, **Social Cognitive and Affective Neuroscience**, 9 (1), January 2014, pp. 55-62.
30. [2013] “Hidden Symmetries and Focal Points,” joint with Christoph Kuzmics, **Journal of Economic Theory**, 148 (1), January 2013, pp. 226-258.
29. [2013] “Large Extensive Form Games,” joint with Klaus Ritzberger, **Economic Theory**, 52 (1), January 2013, pp. 75-102.
28. [2012] “Choices and Preferences: Evidence from Implicit Choices and Response Times,” joint with Đura-Georg Granić, Fei Shi, and Alexander K. Wagner, **Journal of Experimental Social Psychology**, 48 (6), November 2012, pp. 1336-1342.
27. [2012] “Job Market Signaling and Employer Learning,” joint with Julien Prat, **Journal of Economic Theory** 147 (5), September 2012, pp. 1787-1817.
26. [2012] “Faith in Intuition and Behavioral Biases,” joint with Sabine Hügelschäfer, **Journal of Economic Behavior and Organization** 84 (1), September 2012, pp. 182-192.
25. [2012] “Two Field Experiments on Approval Voting in Germany,” joint with Đura-Georg Granić, **Social Choice and Welfare** 39 (1), June 2012, pp. 171-205.
24. [2012] “Imitation with Asymmetric Memory,” joint with Fei Shi, **Economic Theory** 49 (1), Jan 2012, pp. 193-215.
23. [2010] “General Equilibrium and the Emergence of (Non) Market Clearing Trading Institutions,” joint with Georg Kirchsteiger. **Economic Theory** 44 (3), Sept 2010, pp. 339-360.
22. [2010] “Best-response Dynamics in a Birth-Death Model of Evolution in Games,” joint with Ilja Neustadt. **International Game Theory Review**, June 2010, 12 (2), pp. 197-204.
21. [2010] “On the Evolution of Market Institutions: The Platform Design Paradox,” joint with Georg Kirchsteiger and Markus Walzl. **Economic Journal** 120 (543), March 2010, pp. 215-243.
20. [2010] “The Logit-Response Dynamics,” joint with Nick Netzer. **Games and Economic Behavior** 68 (2), March 2010, pp. 413-427.
19. [2008] “Contagion and Efficiency,” joint with Simon Weidenholzer. **Journal of Economic Theory** 143 (1), Nov 2008, pp. 251-274.
18. [2008] “Trees and Extensive Forms,” joint with Klaus Ritzberger. **Journal of Economic Theory** 143 (1), Nov 2008, pp. 216-250.

See also: “Comments on ‘Trees and Extensive Forms’,” joint with Johannes Kern and Klaus Ritzberger, **Journal of Economic Theory** 146 (5), Sept 2011, pp. 2165-2168.

17. [2008] “Learning, Bounded Memory, and Inertia.” **Economics Letters** 101 (2), Nov 2008, pp. 134-136.
16. [2007] “Partial Bandwagon Effects and Local Interactions,” joint with Simon Weidenholzer. **Games and Economic Behavior** 61 (2), Nov 2007, pp. 179-197
15. [2007] “Nash Equilibria for non-binary choice rules,” joint with J.C.R. Alcantud. **International Journal of Game Theory** 35 (3), Feb 2007, pp. 455-464.
14. [2006] “A Simple Characterization of Approval Voting,” **Social Choice and Welfare** 27 (3), Dec 2006, pp. 621-625.
13. [2006] “Imitation, Local Interactions, and Efficiency,” joint with Simon Weidenholzer. **Economics Letters** 93 (2), Nov 2006, pp. 163-168.
12. [2006] “The Discretization of Continuum Strategy Spaces,” **International Game Theory Review** 8 (3), Sept 2006, pp. 499-514.
11. [2005] “The Evolutionary Stability of Perfectly Competitive Behavior,” joint with Ana B. Ania. **Economic Theory** 26 (3), Oct 2005, pp. 497-516.
10. [2005] “Trees and Decisions,” joint with Klaus Ritzberger. **Economic Theory** 25 (4), June 2005, pp. 763-798.
9. [2005] “The Asset Market Game,” joint with Ana B. Ania. **Journal of Mathematical Economics** 41 (1-2), Feb 2005, pp. 67-90.
8. [2005] “Some Remarks on Pseudotrees,” joint with Klaus Ritzberger. **Order** 22 (1), Feb 2005, pp. 1-9
7. [2004] “Cournot vs. Walras in Dynamic Oligopolies with Memory,” **International Journal of Industrial Organization** 22 (2), Feb 2004, pp. 193-217.
6. [2003] “Finite Population Dynamics and Mixed Equilibria,” **International Game Theory Review** 5 (3), Sept 2003, pp. 263-290.
5. [2003] “A Comment on ‘The Selection of Preferences through Imitation’,” joint with Manfred Nermuth. **Economics Bulletin** 3 (7), 2003, pp. 1-9.
4. [2002] “Random Matching of Several Infinite Populations,” **Annals of Operations Research** 114, Aug 2002, pp. 33-38.
3. [2001] “Local Equilibria in Economic Games,” joint with Ana B. Ania. **Economics Letters** 70 (2), Feb 2001, pp. 165-173.
2. [2000] “An Evolutionary Model of Bertrand Oligopoly,” joint with Ana B. Ania and K.R. Schenk-Hoppé. **Games and Economic Behavior** 33 (1), Oct 2000, pp. 1-19.
1. [1999] “Dynamical Systems with a Continuum of Randomly Matched Agents,” **Journal of Economic Theory** 86 (2), June 1999, pp. 245-267.

## 8 Other Publications (Book Chapters, Other-Language Articles, etc)

9. [2016] “Economic Behavior and the Reflective-Impulsive Duality.” In: Roland Deutsch, Bertram Gawronski, and Wilhelm Hofmann (Eds.), “Reflective and Impulsive Determinants of Human Behavior,” Routledge, pp. 205-222.
8. [2016] Entries “Cognitive Dissonance” and “Spain” in *The Sage Encyclopedia of War: Social Science Perspectives*, November 2016, Paul I. Joseph (ed), Sage Publications, Thousand Oaks, California.
7. [2014] “Intuition und Rationales Entscheiden – Aktuelle Erkenntnisse zu grundlegenden Prozessen ökonomischer Entscheidungsfindung,” joint with Anja Achtziger, SEM Radar, Zeitschrift für Systemdenken und Entscheidungsfindung im Management, 2014/1, pp. 1–10.
6. [2010] “Games: An Interdisciplinary Open-Access Journal” (Editorial), *Games* 1, 1–2.
5. [2010] “Approval Voting in Germany: Description of a Field Experiment,” joint with Đura-Georg Granić. In: Laslier, J.F. and Sanver, M.R. (Eds), “Handbook on Approval Voting,” Springer Verlag, 2010, pp. 397-411.
4. [2009] “Imitation and Learning,” joint with Karl Schlag. In: Anand, P., Pattanaik, P., Puppe, C. (Eds.), “Handbook of Social and Rational Choice,” Oxford University Press, 2009, pp. 271-297.
3. [2009] “Do People Update Beliefs? A Critical Review and Some New Evidence,” joint with Anja Achtziger. In: Franz, W., Güth, W., Ramser, H.-J., Stadler, M. (Eds.), “Experimentelle Wirtschaftsforschung,” 38. Wirtschaftswissenschaftliches Seminar Ottobeuren, Mohr Siebeck 2009.
2. [2004] “Teoría de Juegos e Historia Económica: una simbiosis necesaria,” *Información Comercial Española - Revista de Economía*, No. 812, Jan 2004, pp. 27-33.
1. [1999] “An Evolutionary Model of Market Structure,” joint with Ana B. Ania and Fernando Vega Redondo. In: van der Laan, G., Herings, P.J.J., Talman, A.J.J. (Eds.), “The Theory of Markets,” North Holland, Amsterdam, 1999.

## 9 Books

- (2016) “The Theory of Extensive Form Games,” 2016, joint with Klaus Ritzberger, Springer Verlag (Monographs of the Game Theory Society).



## 10 Teaching

### University of Cologne (Germany):

*Bachelor level:* Game Theory and Strategic Thinking, Behavioral Decision Theory, Topics in Psychoeconomics (Seminar).

*Master Level:* Advanced Microeconomics II (Game Theory), Social Choice and Voting Methods, Topics in Decision and Game Theory (Seminar).

*Ph.D. level:* Behavioral Economic Theory.

### University of Konstanz (Germany):

*Bachelor level:* Microeconomics II (Game Theory), Introduction to Decision Theory, Spieltheorie für Sozialwissenschaftler (Seminar).

*Master Level:* Advanced Microeconomics, Industrial Organization, Social Choice, Microeconomics Seminar.

*Ph.D. level:* Advanced Game Theory, Economic Theory Seminar.

### University of Vienna (Austria):

*Lectures:* Game Theory II, Social Choice, Social Learning, Dynamical Models in Economics, Evolutionary Models and Applications, Learning and Bounded Rationality (Ph.D.), Equilibrium Selection in Games (Ph.D.).

*Tutorials:* Microeconomics, Game Theory I, Industrial Organization.

### University of Salamanca (Spain):

Mathematics for Business Administration, Optimization Methods for Business Administration, Game Theory.

### University of Alicante (Spain):

Mathematics for Business Administration, Mathematics for Economists.

### Courses taught as External Faculty:

- NeuroPsychoEconomics, New York University, Abu Dhabi campus (Fall 2, 2016).
- Introduction to NeuroPsychoEconomics (Ph.D.), Max Planck Summer School (IMPRS), University of Jena (August 2016).
- Stochastic Learning in Games (Ph.D.), Max Planck Summer School, MPI Jena (Germany) (August 2010).
- Advanced Microeconomics, University of St.Gallen (WS 2008/09)
- Stochastic Evolutionary Games (Ph.D.), Department of Economics, University of Bielefeld (Germany) (October 2007).
- Social Choice (Ph.D.), Institute for Advanced Studies, Vienna (Austria) (March 2007).
- Advanced Game Theory (Ph.D.), University of Konstanz (Germany) (March 2005).
- Mathematics for Economists (Ph.D.), Institute for Advanced Studies, Vienna (Austria) (WS 2004/05)