

CONTACT INFORMATION

Department of Economics  
Campus del Riu Sec | 12071 Castellón | Spain  
T +34 964 72 8593 | F +34 964 72 8591  
alfarano@eco.uji.es  
<http://www.lee.uji.es/full-time-researchers-members/simone>

PERSONAL

Born June 21st, 1975.  
Italian citizen, fluent in English and Spanish.

CURRENT POSITION

**Universitat Jaume I** Castellón, Spain  
*Associate Professor (Profesor Titular)*

PREVIOUS POSITIONS

**Universitat Jaume I** Castellón, Spain  
*Lecturer (Profesor Contratado Doctor)* Feb. 2009–Oct. 2010

**Christian-Albrechts-Universität** Kiel, Germany  
*Juniorprofessor of Economics* Nov. 2005–Dec. 2008

**Christian-Albrechts-Universität** Kiel, Germany  
*Assistant professor of Economics* June–Oct. 2005

**INFN Istituto Nazionale di Fisica della Materia** Cagliari, Italy  
*Research assistant* March–Oct. 2000

EDUCATION

**Christian-Albrechts-Universität** Kiel, Germany  
*Research assistant* March–Oct. 2000  
*Ph.D. in Economics, 2006*

**Università degli Studi di Cagliari** Cagliari, Italy  
*Research assistant* March–Oct. 2000  
*Degree in Theoretical Physics, 1999*

RESEARCH INTERESTS

Industrial dynamics, agent-based economics, statistical equilibrium, complex economic and social networks, experimental economics

## AWARDS AND FELLOWSHIPS

Post-Lauream Scholarship, Regione Autonoma della Sardegna, Italy, 2001-2004.

Prize for the best Ph.D. thesis in Economics, University of Kiel, 2006.

Prize for the best Ph.D. thesis in the Faculty of Social Sciences, University of Kiel, 2006.

## GRANTS AND PROJECTS

**European Union Project** Euro 3 M

*FinMap*, Seven Framework Programme Strep, 2014-2016. Director of the project at UJI: Prof. Simone Alfarano

**European Union Project** Euro 3 M

*Symphony*, Seven Framework Programme Strep, 2014-2016. Director of the project: Prof. Silvano Cincotti (University of Genoa).

**Generalitat Valenciana** Euro 11,400

*El Papel de la Informacion Publica en los Mercados: Un Enfoque Experimental y Computacional*, 2013. Director of the project: Prof. Simone Alfarano (Universitat Jaume I).

**Universitat Jaume I** Euro 40,000

*Riesgo Sistémico e Información Pública en el Sector Financiero: Experimentos y Simulaciones*, 2013-2015. Director of the project: Prof. Eva Camacho-Cuena (Universitat Jaume I).

**Bank of Spain** Euro 500,000

*Cátedra de Excelencia en Economía Computacional & Experimental*, Second Programme Banco de Espaa – Excelencia en Educación E Investigación en Economía Monetaria, Financiera y Bancaria. Director of the project: Prof. Simone Alfarano (Universitat Jaume I).

**Ministerio de Ciencia y Tecnología** Euro 95,287

*El Papel De La Informacion Publica En Los Mercados: Un Enfoque Experimental Y Computacional*, 20012-2014. Director of the project: Prof. Simone Alfarano (Universitat Jaume I).

**European Union Project** Euro 1,5 M

*Complex Markets*, Sixth Framework Programme Strep: Nest Pathfinder-Complexity, 2005-2009. Director of the project: Prof. Mark Salmon (Business School, University of Warwick).

**Volkswagen Foundation** Euro 310,000

*Complex Networks As Interdisciplinary Phenomena*, 2008-2010, with M. Milaković, A. Irle, T. Lux, and F. Wagner. Director of the project: Prof. Thomas Lux (University of Kiel and Institute for the World Economy)

**Ministerio de Ciencia y Tecnología** Euro 65,000

*Política Ambiental y Comportamiento Estratégico de las Empresas: Teoría, Experimentos y Simulación*, 2009-2011. Director of the project: Prof. Carmen Arguedas (Universidad Autónoma de Madrid).

**Bancaixa Foundation and Universitat** Euro 27,000

**Jaume I**  
*Análisis del Mercado de Derechos de Emisión de CO2: Un Enfoque Experimental y Computacional*,

2010-2012. Director of the project: Prof. Eva Camacho-Cuena (Universitat Jaume I).

**Istituto Valenciano de Investigaciones**

Euro 4,000

**Economicas**

*The Role of Public and Private Information in a Minimal laboratory financial Market*, 2010, with Andrea Morone. Director of the project: Prof. Simone Alfarano (Universitat Jaume I).

CONFERENCE ORGANIZATION

**Network Approaches for Interbank Markets**, May 2013 in Castellón, chair of the local committee

8th **Artificial Economics**, September 2012 in Castellón, co-chair of the local committee

4th **IFABS**, June 2012 in Valencia, special session

4th **Econophysics Colloquium**, August 2008 in Kiel, local organizer

**Workshop on Bubbles, Herding and Crashes**, October 2005 in Kiel, local organizer

8th **WEHIA** Meeting, May 2003 in Kiel/Germany, local organizer

MEMBERSHIP IN SCIENTIFIC & PROGRAM COMMITTEES

**EconCom 2013**, September 2013 in Washington, program committee

9th **Artificial Economics**, September 2013 in Klagenfurt/Austria

18th **ESHIA/WEHIA**, June 2013 in Reykjavik/Iceland

3rd **MAFIN: Managing Financial Instability in capitalistic Economies**, September 2012 in Genoa/Italy

8th **Artificial Economics**, September 2012 in Castellón/Spain

2nd **MAFIN: Managing Financial Instability in capitalistic Economies**, September 2010 in Reykjavik/Iceland

15th **ESHIA/WEHIA**, June 2010 in Alessandria/Italy

Member of the Management Committee of the COST Action IS0902: “Systemic Risks, Financial Crises and Credit”, 2009-2013.

REFEREE FOR

*Advance in Complex Systems, Applied Economics, Applied Financial Mathematics, Computational Economics, European Journal of Finance, European Physical Journal B, Journal of Economic Behavior and Organization, Journal of Economic Dynamics and Control, Journal of Economic Interaction and Coordination, Journal of Economics and Statistics, Journal of Evolutionary Economics, Journal of Macroeconomics, Metroeconomica, Physica A, Plos One, Quantitative Finance, Studies of Nonlinear Dynamics and Econometrics, Theory and Decision. Referee of research proposals for the Netherlands Organization for Scientific Research and the European Science Foundation.*

Associate editor of *Journal of Economic Interaction and Coordination*

CONFERENCES, SEMINARS AND WORKSHOPS

Since 2001 more than 100 contributed talks at scientific meetings and seminar presentations at academic institutions.

EDITORIAL ACTIVITY

Special Issue: “Network Approaches for Interbank Markets”, *Computational Economics*, forthcoming 2014.

Special Issue: “Economic Perspectives Challenging Financialization, Inequality and Crises”, *Economics*, forthcoming 2014.

Editing volume: “Managing Market Complexity: The Approach of Artificial Economics”, *Lecture Notes in Economics and Mathematical Systems*, S. Alfarano, A. Teglio, E. Camacho and M. Ginés-Vilar editors, Springer, June 2012.

Topical section: “Interdisciplinary Applications of Physics in Economics and Finance”, *European Physical Journal B*, 73(1), January 2010.

## LIST OF PUBLICATIONS

### PUBLICATIONS (*journal articles*)

“The Small Core of the German Corporate Board Network: New Evidence from 2010”, with T. Lux and M. Milaković, *Complexity Economics*, 2(1), 2013.

“The impact of herding and network hierarchy on financial volatility”, with M. Raddant and M. Milaković, *The European Journal of Finance*, 19(6), pp 449-465.

“On the distributional properties of size, profit and growth of Icelandic firms”, with M. Raberto, E. J. Erlingsson and H. Stefánsson, *Journal of Economic Interaction and Coordination*, 8(1), pp. 57-74, 2013.

“Der dichte Kern des Netzwerks deutscher Aufsichtsräte und Unternehmensvorstände”, with M. Milaković and T. Lux, *Wirtschaftsdienst*, 92(11), pp. 770-776, 2012.

“Identification of Interaction Effects in Survey Expectations: A Cautionary Note”, with M. Milaković, *Studies in Nonlinear Dynamics & Econometrics*, 16(4), 2012.

“A statistical equilibrium model of competitive firms,” with M. Milaković, A. Irle and J. Kauschke, *Journal of Economics Dynamics and Control*, 36(1), pp. 136-149, 2012.

“The fine structure of spectral properties for random correlation matrices: an application to financial markets”, with G. Livan and E. Scalas, *Physical Review E*, 84(1), pp. 16113-16126, 2011.

“Firm profitability and the network of organizational capabilities”, with F. Wagner and M. Milaković, *Physica A*, 389(21), pp. 4769-4775, 2010.

“The small core of the German corporate board network”, with M. Milaković and T. Lux, *Computational and Mathematical Organization Theory*, 16(2), pp. 201-215, 2010.

“What distinguishes individual stocks from the index?” with F. Wagner and M. Milaković, *European Physical Journal B*, 73(1), pp. 23-28, 2010.

“Interdisciplinary Applications of Physics in Economics and Finance”, with M. Milaković and T. Lux, *European Physical Journal B*, 73(1), pp. 1-2, 2010.

“Network structure and N-dependence in agent-based herding models”, with M. Milaković, *Journal of Economic Dynamics and Control*, 33(1), pp. 78-92, 2009.

“Does classical competition explain the statistical features of firm growth?” with M. Milaković, *Economics Letters*, 101(3), pp. 272-274, 2008.

“A nonparametric approach to the noise density in stochastic volatility models”, with M. Milaković and F. Wagner, *Applied Financial Economics Letters*, 4(5), pp. 311-314, 2008.

“Time-Variation of Higher Moments in a Financial Market with Heterogeneous Agents: An Analytical Approach”, with T. Lux and F. Wagner, *Journal of Economic Dynamics and Control*, 32(1), pp. 101-136, 2008.

“A Noise Traders Model as a Generator of Apparent Financial Power Laws and Long Memory”, with T. Lux, *Macroeconomics Dynamics*, 11, pp. 80-101, 2007.

“Empirical Validation of Stochastic Models of Interacting Agents: A ‘Maximally Skewed Noise Trader Model’”, with T. Lux and F. Wagner, *European Physical Journal B*, 55(2), pp. 183-187, 2007.

“Mercados Financieros en el Laboratorio en presencia de informacin Heterognea e Imperfecta”, with I. Barreda-Tarrazona and E. Camacho-Cuena, *Cuadernos Aragoneses de Economa*, 17(2), pp. 275-298, 2007.

“On the Role of Heterogeneous and Imperfect Information in a Laboratory Financial Market”, with I. Barreda-Tarrazona and E. Camacho-Cuena, *Central European Journal of Operation Research*, 14(4), pp. 417-433, 2006.

“Estimation of a Simple Agent-Based Model of Financial Markets: An Application to Australian Stock and Foreign Exchange Data”, with T. Lux and F. Wagner, *Physica A*, 370(1), pp. 38-42, 2006.

“Estimation of Agent-based Models: The case of Asymmetric Herding Model”, with T. Lux and F. Wagner, *Computational Economics*, 26, pp. 19-49, 2005.

#### BOOK CONTRIBUTIONS (*edited volumes, proceedings, special issues, etc.*)

“Estimation of a simple genetic algorithm applied to a laboratory experiment” with E. Camacho and J. Domènech, *Combining Soft Computing and Statistical Methods in Data Analysis*, edited by C. Borgelt, G.G. Rodríguez, W. Trutschnig, M.A. Lubiano, M.A. Gil, P. Grzegorzewski, O. Hryniewicz, Springer, 23-31, 2010.

“Heterogeneous and Imperfect Information in an Experimental Asset Market”, with I. Barreda and E. Camacho, *Bounded Rationality in Economics and Finance*, edited by C. Richter, LIT Verlag, 39-56, 2007.

“A Minimal Noise Traders Model with Realistic Time Series Properties”, with T. Lux, in *Long*

*Memory in Economics*, edited by G. Teyssière and A. P. Kirman, Springer, pp. 345-361, 2007.

“Excess Volatility and Herding in an Artificial Financial Market: Analytical Approach and Estimation”, with T. Lux and F. Wagner, *Funktionsfähigkeit und Stabilität von Finanzmärkten*, edited by W. Franz, H. J. Ramser and M. Stadler, Mohr Siebeck, Tübingen, pp. 241-254, 2005.

#### WORKING PAPERS

“Extreme Value Theory as a Theoretical Background for Power Law Behavior”, with T. Lux, working paper University of Kiel.

“The role of public and private information in a laboratory financial market”, working paper IVIE, with E. Camacho and A. Morone.

“The real versus the financial economy: A global tale of stability versus volatility”, Economics Discussion Paper, Kiel Institute for the World Economy, with N. Förster, M. Milakovic and P. Mundt.