

Giorgio Fagiolo

Associate Professor of Economics

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Curriculum Vitae

Personal Data

Birth Date: 2 February 1971
Place of Birth: FIUGGI (FR), ITALY
Gender: M
Citizenship: Italian

Education

- Ph.D. in Economics at the European University Institute, S. Domenico di Fiesole (Florence). Committee Members: Alan Kirman (GREQAM, Marseille), Supervisor; Karl Schlag (EUI, Florence), Internal Advisor; Giovanni Dosi (Sant'Anna School, Pisa); Sanjeev Goyal (Queen Mary College, London).
- Degree Certificate in Statistics and Economics with highest final grade (110/110 'cum laude') at University of Rome "La Sapienza", Faculty of Statistics and Economics.

Positions

- From November 2006: Associate Professor of Economics at Sant'Anna School of Advanced Studies, Laboratory of Economics and Management, Pisa, Italy.
- October 2005 – December 2005: Visiting Scholar at Bureau d'Economie Theorique et Appliquée (BETA), Strasbourg, France.
- November 2004 – October 2006: Assistant Professor at Department of Economics, University of Verona, Verona, Italy.
- September 2000 – October 2004: Assistant Professor at Sant'Anna School of Advanced Studies, Laboratory of Economics and Management, Pisa, Italy.

Teaching

- Non-Cooperative and Evolutionary Game Theory
- Agent-based Computational Economics
- Microeconomics

Miscellanea

- Member of the Advisory Council of the Society for Computational Economics.
- Associate editor for *Advances in Complex Systems (ACS)* and the *Journal of Economic Interaction and Coordination (JEIC)*.
- Referee activity for various international journals (*American Economic Review*, *Industrial and Corporate Change*, *Structural Change and Economic Dynamics*, *Journal of Economic Dynamics and Control*, *e-JEMED*, *Journal of Evolutionary Economics*, *International Journal of Industrial Organization*, *Computational Economics*, *Journal of Economic Behavior and Organization*, *European Physical Journal B*, *Physical Review*, *Small Business Economics*).
- Coordinator of the Macroeconomics Courses (1st and 2nd year) within the Ph.D. Program in Economics and Management, Sant'Anna School of Advanced Studies.

Grants

- December 1996 : Bank of Italy, "B. Stringher" Scholarship for Post-Graduate Studies in Economics, Academic Year 1998-1999.
- July 1996 : European Investment Bank, "Campili-Formentini" Scholarship for a Three-Year Program of Post-Graduate Studies in Economics, Academic Years 1996-1998 and 1999-2000.

Fields of interest

- Agent-Based Computational Economics: Methodological Issues, Models and Applications
- Game-Theoretic Models of Strategic Network Formation
- Economic Networks: Empirical Evidence
- Industrial Dynamics: Models and Empirical Evidence
- Statistical Properties of Micro and Macro Dynamics

Selected publications (for a complete list see <http://www.lem.sssup.it/fagiolo>)

- Schiavo, S., Reyes, J. and Fagiolo, G. (2010), "International Trade and Financial Integration: A Weighted Network Analysis", *Quantitative Finance*, 10: 389–399.
- Fagiolo, G., Alessi, L., Barigozzi, M. and Capasso, M. (2010), "On the distributional properties of household consumption expenditures. The case of Italy", *Empirical Economics*, 38:717-741.
- Schweitzer, F., Fagiolo, G., Sornette, D., Vega-Redondo, F., Vespignani, A., White, D.R. (2009), "Economic Networks: The New Challenges", *Science*, 24 July 2009, Vol. 325, No. 5939, pp. 422-425.
- Fagiolo, G., Reyes, J. and Schiavo, S. (2009), "The World-Trade Web: Topological Properties, Dynamics, and Evolution", *Physical Review E*, 79, 036115 (19 pages).

- Fagiolo, G., Napoletano, M. and Roventini, A. (2008), "Are Output Growth-Rate Distributions Fat-Tailed? Some Evidence from OECD Countries", *Journal of Applied Econometrics*, 23: 639-669.
- Dosi, G., Fagiolo, G. and Roventini, A. (2008), "The Microfoundations of Business Cycles: An Evolutionary, Multi-Agent Model", *Journal of Evolutionary Economics*, 18: 413-432.
- Bottazzi, G., Dosi, G., Fagiolo, G. and Secchi, A. (2007), "Modeling Industrial Evolution in Geographical Space", *Journal of Economic Geography*, 7: 651-672.
- Fagiolo, G., Valente, M. and Vriend, N. (2007), "Segregation in Networks", *Journal of Economic Behavior and Organization*, 64: 316-336.
- Fagiolo, G., Moneta, A. and Windrum, P. (2007), "A Critical Guide to Empirical Validation of Agent-Based Models in Economics: Methodologies, Procedures, and Open Problems", *Computational Economics*, 30:195-226.
- Fagiolo, G. (2007), "Clustering in Complex Directed Networks", *Physical Review E*, 76: 026107 (8 pages).
- Fagiolo, G., Napoletano, M. and Roventini, A. (2007), "How Do Output Growth Rate Distributions Look Like? Some Time-Series Evidence on OECD Countries", *European Physical Journal B*, 57: 205-211.
- Fagiolo, G. and Luzzi, A. (2006), "Do Liquidity Constraints Matter in Explaining Firm Size and Growth? Some Preliminary Evidence on the Italian Manufacturing Industry", *Industrial and Corporate Change*, 15, 1: 1-39.
- Dosi, G., Fagiolo, G. and Roventini, A. (2006), "An Evolutionary Model of Endogenous Business Cycles", *Computational Economics*, 27, 1: 3-34.
- Fagiolo, G. and Valente, M. (2005), "Minority Games, Local Interactions, and Endogenous Networks", *Computational Economics*, 25: 41-57.
- Fagiolo, G. (2005), "Endogenous Neighborhood Formation in a Local Coordination Model with Negative Network Externalities", *Journal of Economic Dynamics and Control*, 29: 297-319.
- Fagiolo, G., Marengo, L. and Valente, M. (2004), "Population Learning in a Model with Random Payoff Landscapes and Endogenous Networks", *Computational Economics*, 24: 383-408.
- Fagiolo, G., Marengo, L. and Valente, M. (2004), "Endogenous Networks in Random Population Games", *Mathematical Population Studies*, 11: 121-147.
- Fagiolo, G. and Dosi, G. (2003), "Exploitation, Exploration and Innovation in a Model of Endogenous Growth with Locally Interacting Agents", *Structural Change and Economic Dynamics*, 14: 237-273.
- Aversi, R., Dosi, G., Fagiolo, G., Meacci, M. and Olivetti, C. (1999), "Demand Dynamics with Socially Evolving Preferences", *Industrial and Corporate Change*, 8, 2: 353-408.