

CURRICULUM VITAE ET STUDIORUM

Guido Fioretti
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CURRENT POSITION: Associate Professor of Organization Science at the University of Bologna, Management Department. Tenured position.

RESEARCH INTERESTS: Social and cognitive sciences in individual and collective decision-making.

TOOLS: Agent-based models, hypergraph analysis, neural networks, evidence theory, cognitive maps.

Personal Data:

Born in Terni (Italy) on 23.01.64. Conscription: Civil Service with Caritas.

Foreign Languages:

Good command of English (IELTS 7.5/9) and German (KDS), basics of French.

Programming Languages:

C/C++/ObjC, Gauss, Java, NetLogo, Pascal.

MSc:

In *Electrical Engineering* with a thesis in mathematical economics at Rome University “La Sapienza” on July 15th, 1991. Marks average: 25/30. Thesis mark: 10/10. Graduation mark: 102/110.

PhD:

In *Political Economy* at Rome University “La Sapienza”, Nov. 1st 1991 to Nov 11th 1995. Financial support by “La Sapienza”. Years 1994 and 1995 at the University of Stuttgart (Dep. of Economics + Dep. of Physics).

Post-Doctoral Funded Research (1995-2006):

- On the use of neural networks to model investment decision-making. University of Stuttgart (Dep. of Economics + Dep. of Physics). Two CNR–DFG joint fellowships, Sept 15th to Dec 14th 1995 and Sept 15th to Dec 14th 1996.
- Economic entries of the *Lexicon of Complexity*. INO, Florence, 1996.
- Historical origin of non-numerical probabilities. Post-doc fellowship at the University of Florence. Jan 15th 1997 to Jan 14th 1999.
- Mathematical models of information exchange. University of Stuttgart, lecturer Jan 15th 1999 to July 31st 1999 and CNR-DFG joint fellowship Sept 1st 1999 to Nov 30th 1999.
- The structure of information fluxes in Prato. IASG, Florence, Dec 1st 1999 to July 31st 2000.

- Agent-based modelization of information fluxes. ICER, Turin, Sept 1st 2000 to July 31st 2001.
- Financial fragility and credit rationing. University of Siena, Feb 20th 2002 to Oct 20th 2003 and Jul 25th to Oct 26th 2004.
- Bounded rationality constraints on the size of human groups. Consequences for organization science. Scuola Superiore S. Anna and CNR (Institute of Computer Science), Pisa, June 1st 2002 to May 31st 2003.
- Modelization of strategic interactions in clusters of firms. Contract FIRB, University of Bologna, Dep. of Information Science and Dep. of Management Science, Nov 3rd 2005 to Sep 30th 2006.

Funds obtained as Faculty Member (2007 -):

- PRIN 2008 (funded by the Italian Ministry of Scientific Research) on *Network Analysis*, coordinated by M. Meneguzzo, University of Rome “Tor Vergata”.
- Post-Doctoral position on *Modelization of Productive Plants by means of Agent-Based Models* from Aug 1st 2011 to Oct 31st 2012. Funding: University of Bologna, Dep. of Management Science + € 5,000 external contributions.
- Post-Doctoral position on *Modelization of Productive Plants by means of Agent-Based Models* from Oct 23rd 2013 to Jun 30th 2014. Funding: € 15,400 external contributions.
- DAAD fellowship spent at the University of Hohenheim, 2015, May 1st to 30th.
- DAAD fellowship spent at the University of Hohenheim, 2021, June 15th to August 15th.
- ISA fellowship to host a foreign scientist at the University of Bologna, April 1st to May 30th, 2024. Awarded to R. Chinthapati, Goldsmiths University London.

Awards

- *Entropy* Outstanding Reviewer Award, 2026.

Invited Papers at International Conferences and Workshops:

1. Dutch Ministry of Economic Affairs. *Workshop on the Methodology of Industrial Clusters Analysis*. Rotterdam, May 3-4th, 2002.
2. University of Padua. *Shackle's Heritage in Economics: Micro and Macro Aspects*. Padua, May 19-20th, 2006.
3. University of Bonn. *Johannes von Kries' Conception of Probability, its Roots and Impact*. Bonn, September 13-14th, 2012.
4. University of Bournemouth, AISB Workshop (Keynote Speaker). *Emergent Organizations*. Bournemouth, Jan 27-28th, 2014.
5. Volkswagen Foundation. *Agents for Theory. From cases to general principles: Theory development through agent-based modelling*. Hanover, Jul 4-6th, 2018.

Graduate Teaching (by content):

1. *Teams, Negotiation and Human Resource Management*. University of Bologna, School of Economics and Management, since 2008.
2. *Evolutionary Organization Theory*. University of Bologna, School of Economics and Management + School of Computer Science, since 2022.
3. *Vision, Decision, and Leadership*. Aarhus Summer University, 2015-22. University of Modena and Reggio Emilia, Master for the Tile Industry, 2023-25.

Research Interests:

- Radical uncertainty, with applications to deciding not to invest;
- Empirical studies of decision-making in innovation;

- March's *Garbage Can Model of Organizational Choice*;
- Organizational structures, with a focus on flexible organizations and industrial clusters;
- The determinants of organizational learning curve;
- The maximum size of human groups, depending on communication structures;
- Application of evolutionary theory to organization studies;
- Methodological issues in organizational research.