

LUCIO BIGGIERO

Curriculum Vitae

Affiliation:

Università dell'Aquila (University of L'Aquila)

Dipartimento di Ingegneria Industriale e dell'Informazione e di Economia (DIIE) (Department of Industrial Engineering, Information and Economics)

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Positions:

Full professor of *Organization Theory and Design* at the University of L'Aquila.

Member of the Doctoral course in *Markets and Institutions for Development and Innovation* at the University "La Sapienza" (Rome).

Courses:

Business Organization (Department of Industrial Engineering, Information and Economics)

Analysis and Design of Inter-Organizational Networks (Department of Industrial Engineering, Information and Economics)

Business Analytics for Business Networks (Department of Engineering, Mathematics and Computer Science)

Other training experiences:

Doctoral courses

In the Doctoral course of the Department of Industrial Engineering, Information and Economics of the University of L'Aquila (Italy), he has been responsible of a seminars cycle on epistemology and methodology of research.

He has been teaching *Organization Theory and Design*, *Organizational Behaviour*, *Epistemology and Methodology of Social Research* in the following Doctoral courses:

Economia e Organizzazione delle Imprese (*Economics and Management of Firms*), by Università degli Studi di Roma "Tor Vergata"

Organizzazione, Tecnologia e Sviluppo delle Risorse Umane (*Organization, Technology and Development of Human Resources*), by Università degli Studi del Molise

Psicologia Cognitiva, Psicofisiologia e Personalità (*Cognitive Psychology, Psychophysiology and Personality*), by Università degli Studi di Roma "La Sapienza".

Master courses

Concetti e metodi per i sistemi complessi: salute e sostenibilità (Concepts and methods for complex systems: health and sustainability), given in the Master on Antropologia della salute nei sistemi complessi (Health anthropology in complex systems), La Torre <https://www.la-torre.it/> (Turin, Italy, 2020-2021).

For many years, he has been teaching *Organization Theory and Design, Local Production Systems, Knowledge Management* in the following **Masters**:

Master in Business Administration, by LUISS University (Rome)

Master in Experts of International Trade and Management, by ICE (Italian Institute for Foreign Trade)

Master in Human Resource Management, by University of “La Sapienza” (Rome).

During the last few years, he gave the following post-graduate courses:

- A 40h course on *Inter-firm networks and industrial clusters* in the **Master** on Management and internationalization of inter-firm networks, held in the University of Chieti-Pescara (Italy);
- A 30h course on *Basic methods in Social Network Analysis* for PhD and post-doc, held at the Zeppelin University (Germany);
- A 16h course on *Building and managing inter-organizational networks for a sustainable socio-eco economy* in the **Master on Systemic Design of Sustainability**.

Memberships:

Member of the **Editorial Board** of the Springer series on Relational Economics and Organizational Governance <https://www.springer.com/series/16570>

Member of the **Board of Directors** and of the **Scientific Board** of **CIRPS** (Interuniversity Research Centre on Sustainable Development) (www.cirps.it). CIRPS is an Inter-University Centre through research, training, services and direct intervention on the territory aims to disseminate the principles internationally recognized as necessary to ensure sustainable development.

Director of the MEFOR Thematic Section of CIRPS (www.cirps.it), which aims to apply to socio-economic and environmental topics the following advanced methodologies: outranking methods of multicriteria decision making; social network analysis; dynamic network analysis (NK models); agent-based simulation models.

Guest Editor of the Special Issue "Sustainable Economic Systems (SES)" for the journal Sustainability, 2021

Past memberships

... of the **Scientific Board** of **ECONA** (InterUniversity Research Center on Cognitive Computation in Artificial and Natural Systems) <https://web.uniroma1.it/econa/>, which collects 12 Italian universities in various research areas, among which: Psychology of cognitive processes, Neural Networks, Non-linear Dynamics.

... of the **Experts' Group of MIUR** (www.miur.it) (Ministry of Education University & Research).

... of the following scientific associations:

AIDEA (Italian Association of Management Studies)

AIEMS (Italian Association of Epistemology and Systems Methodology)

AiIG (Italian Association of Engineering Management and Economics)

AIRS (Italian Association for Systems Research)

AOM (Academy of Management)

BAM (British Academy of Management)

CIRPS (Interuniversity Research Centre on Sustainable Development)

EGOS (European Group of Organization Studies)

ESSA (European Social Simulation Association)
 EURAM (European Academy of Management)
 ETSG (European Trade Study Group)
 IASS (Italian Association for Sustainability Science)
 ICORE (International Conference on Reputation)
 INSNA (International Network for Social Network Analysis)
 ISA (International Sociological Association)
 RC51 (Research Committee on Socio-cybernetics)
 SDS (Systems Dynamics Society)
 WINIR (World Interdisciplinary Network for Institutional Research)

Past Fields of Empirical Studies on the following sectors:

biomedicals, packaging machines, energy saving, oil.

Recent Fields of Empirical Studies on the following sectors:

Aerospace, telecommunication.

Main fields of scientific interest:

Theory of Organization Design and Change

Coordination Theory

Innovation Diffusion in Inter-firm networks and in Industrial Clusters

Knowledge Creation and Transfer in R&D Collaboration Networks

(Inter-)Organizational Networks, especially Ownership Networks, Interlock Boards and Departments

Local Production Systems

Organizational Impact of Socio-cognitive Factors

Epistemology and Methodology of Organization Science

Formal Network Methodologies: Social Network Analysis, Boolean networks (NK-FL models), Agent-based Simulation Models

Spoken Languages:

English (fluently)

German (intermediate)

Russian (beginner)

Previous and current involvement in EU projects

TACIS Project “Training and Developing Management and Economic Knowledge in Russia”, as teacher.

TSER Project (FP4) “The Self-organization of the European Information Society”, as coordinator of the Task 5.2

PHARE Project “ Participation in EU Networks: Preparation of Czech SMEs for EU Accession”, as consultant of the project coordinator.

IST-CPA5 Project (FP5) “Organizational Consequences of Email Introduction, Adoption and Diffusion”, as coordinator of the whole project.

RTD-IHP Project (FP5) “Industrial Districts’ Re-location Processes: Identifying Policies in the Perspective of EU Enlargement”, as coordinator of the Luiss partnership.

Participation to the following Italian Research Projects:

PRIN 2001-2003 on “Virtual Enterprise”, as coordinator of the research unit of the University of l’Aquila.

FIRB 2005-2008 on “Artificial societies for competition and collaboration: knowledge networks, corporate reputation and firm clusters. Building a user-enabling simulator”, as coordinator of the research unit of the University of l’Aquila.

PRIN 2006-2007 on “Territorial benchmarking: specific tools for the analysis of the performances and the competitiveness of local production systems”, as coordinator of the research unit of the University of l’Aquila.

Reviewer for the following journals:

Current Sociology

Entrepreneurship & Regional Development

Entrepreneurship Theory & Practice

European Management Review

Human Systems Management

International Journal of Innovation and Sustainable Development

Journal of Artificial Societies and Social Simulation

Journal of Business and Industrial Marketing

Journal of Business Research

Journal of Management and Governance

Journal of Management Studies

Journal of Small Business Management

Management Research Review

Nonlinear Dynamics, Psychology, and Life Sciences

Organization Studies

Research Policy

Resources, Conservation & Recycling

Technological Forecasting and Social Change

Technology Analysis & Strategic Management

Author Impact Analysis (according to Google Scholar as reported by Harzing’s *Publish or Perish methodology*, www.harzing.com) **h-index: 18; g-index: 41.**

Orcid code: orcid.org/0000-0002-4328-1143

Realizzazione dei seguenti software proprietari:

- NEBBA (Network-Based Business Analytics)
- NEDDI (Network Euclidean Distance)
- IFCOP (Inter-firm Contagion Program)
- AMEG (Analytical Methods for discovering Groups of Connected Clients)

Invited speaker Conferences

- Conference on “Economics – The Relational View” 27-29 November 2019, Zeppelin University (GER) - Speech title: “Relational Epistemology and Methodology”.
- Conference on “Cooperating in Value-Creating Networks - A Relational View”, Paris, ESSEC University, 8–9 September 2022.