

MATTIA GUERINI

Associate Professor University of Brescia (DEM) via San Faustino 74/b 25122, Brescia	Senior Researcher Fondazione ENI Enrico Mattei corso Magenta 63 20123, Milano		Scholar	Scopus
		Citations	1074	236
		h-index	15	8

Academic Career and Education

2023/12-ongoing	Associate Professor, University of Brescia (UNIBS)
2022/05-ongoing	Senior Researcher, Fondazione ENI Enrico Mattei (FEEM)
2020/12-2023/12	Assistant Professor (RTD-B), University of Brescia (UNIBS)
2019/03-2020/12	Post-doc, Université Côte d'Azur (UCA)
2016/10-2019/02	Post-doc, OFCE-SciencesPo
2013/10-2016/10	Ph.D. in Economics, Sant'Anna School of Advanced Studies
2010/09-2013/02	M.Sc. Economics, Catholic University of Milan, magna cum Laude
2007/09-2010/09	B.A. Economics, Catholic University of Milan
2002/09-2007/09	Diploma, Liceo Scientifico Statale Leonardo Da Vinci di Crema

Fundraising and Project Management

2024-2026	<i>Fondazione CARIPLO</i> . DS-CHANGES project (senior researcher), UNIBS and FEEM
2019-2020	<i>Marie Curie Individual Fellowship</i> . ACEPOL project (principal researcher), UCA
2018/06-2019/02	<i>EU-H2020</i> . DG Growth project (researcher), OFCE-SciencesPo
2018/04-2018/05	<i>EU-H2020</i> . Dolphins project (researcher), OFCE-SciencesPo
2016/10-2018/03	<i>EU-H2020</i> . ISIGrowth project (researcher), OFCE-SciencesPo

Visiting Periods

2023	Visiting researcher (1 week) - Université Côte d'Azur, France
2019	Visiting researcher (1 month) - University of Bielefeld, Germany
2015	Visiting researcher (2 months) - SKEMA Business School, Sophia-Antipolis, France
2014	Visiting student (1 month) - University of Strasbourg, France
2012	Visiting student (4 months) - CeNDEF, University of Amsterdam, Netherlands

Teaching Experience

2024-ongoing	Prof. Financial Crises (University of Brescia), M.Sc. level - Italian
2023-ongoing	Prof. Macroeconomics (University of Brescia), B.A. level - Italian
2023-ongoing	Prof. Econometrics (University of Brescia), PhD level - English
2021-ongoing	Prof. Econometria dei Mercati Finanziari (University of Brescia), M.Sc. level - Italian
2019-ongoing	Prof. Validation of ACE Models (Université Côte d'Azur), Ph.D. level - English
2022-2023	Prof. Empirical Economics (University of Brescia), B.A. level - English
2019-2020	Prof. Introduction to R (Université Côte d'Azur), M.Sc. level - English
2018-2020	T.A. CORE Economics (SciencesPo), B.A. level - English
2019	Prof. Introduction to Econometrics with R (SciencesPo), B.A. level - English
2016	T.A. Computational Economics (Sant'Anna School), M.Sc. level - English
2016	T.A. Macroeconomics (Sant'Anna School), M.Sc. level - English
2015 to 2016	T.A. Economia Politica (University of Pisa), B.A. level - Italian

Organizational Experience

2025	UNIBS workshop on “The Complexity of Climate Change”, University of Brescia, Italy
2023-2026	UNIBS summer school on “ABM for Economics, Finance and Climate Change”, University of Brescia, Italy
2019	EAEPE special session on “Macroeconomics agent-based models”, Warsaw School of Economics, Warsaw, Poland
2018	EAEPE special session on “Credit markets and the effects on the real economy”, Nice University, Nice, France
	EAEPE special session on unconventional monetary policy, Corvinus University, Budapest, Czech-Republic
	CESAE workshop on agent-based models, Sophia-Antipolis, France
2016	Freewheeling Econometrics workshop, Scuola Superiore Sant’Anna, Pisa, Italy (INET-YSI funded)
2015	WEHIA summer school, Nice, France (INET-YSI funded)
2014	Debunking Austerity workshop, Scuola Superiore Sant’Anna, Pisa, Italy (INET-YSI funded)
2013	Rethinking Macroeconomics workshop, Università Cattolica, Milano, Italy (INET-YSI funded)

Other Academic Appointments

2024/12-ongoing	“Presidio qualità di dipartimento (Area Ricerca)” (member), UNIBS
2022/09-ongoing	Teaching council (member), AEM PhD, UNIBS
2022-ongoing	Evaluation committee for the access to the “Lauree Magistrali” (member), UNIBS
2021-ongoing	Research fellow, GREDEG, UCA
2021-ongoing	“Commissione Erasmus e Relazioni Internazionali” (member), UNIBS
2021-2024	“Commissione Domande e Pratiche Studenti” (member), UNIBS
2021-2022	“Commissione Carriere” (member), UNIBS
2017-ongoing	Research fellow, Institute of Economics, Sant’Anna School
2021/05-2032/05	Italian habilitation for the Associate Professor position (SECS-P/01)
2018/11-2020/10	Scientific Committee of the UCA Academy 2 on Complex Systems (member), UCA
2018/10-2019/09	KTO-GREDEG-OFCE seminar series (responsible), OFCE
2018/01-2023/01	French habilitation for the “Maitre de Conference” (Assistant Professor) position

Publications in Peer Reviewed Journals

2025	Fontanelli, Guerini, Miniaci, Secchi <i>Predictive AI and productivity growth dynamics: Evidence from French firms</i> “Journal of Economic Behavior and Organization” https://doi.org/10.1016/j.jebo.2025.107336
2025	Ciambezi, Guerini, Napoletano, Roventini <i>Accounting for the Multiple Sources of Inflation: an Agent-Based Model Investigation</i> “Journal of Economic Dynamics and Control” https://doi.org/10.1016/j.jedc.2025.105139
2025	Menoncin, Panteghini, Regis, Guerini <i>Optimal Firm’s Dividend and Capital Structure with Mean Reverting Profitability</i> “International Review of Economics and Finance” https://doi.org/10.1016/j.iref.2025.104468

- 2025 Pallante, Guerini, Napoletano, Roventini
Robust-less-fragile: Tackling Systemic Risk and Financial Contagion in a Macro Agent-Based Model.
"Journal of Financial Stability"
<https://doi.org/10.1016/j.jfs.2024.101352>
- 2024 Comincioli, Vergalli, Guerini
Carbon Taxation and Electricity Price Dynamics: Empirical Evidence from the Australian Market
"Environmental and Resource Economics"
<https://doi.org/10.1007/s10640-024-00908-4>
- 2024 Guerini, Vanni, Napoletano
E pluribus, quaedam. Gross domestic product out of a dashboard of indicators.
"The Italian Economic Journal"
<https://doi.org/10.1007/s40797-024-00271-9>
- 2024 Guerini, Nesta, Ragot, Schiavo
Zombification of the Economy? Assessing the Effectiveness of French Government Support During COVID-19 Lockdown
"Journal of Economic Behavior and Organization"
<https://doi.org/10.1016/j.jebo.2023.12.013>
- 2024 Barbieri, Guerini, Napoletano
he Anatomy of Government Bond Yields Synchronization in the Eurozone
"Macroeconomic Dynamics"
<https://doi.org/10.1017/S1365100523000597>
- 2023 Fontanelli, Guerini, Napoletano
International Trade and Technological Competition in Markets with Dynamic Increasing Returns
"Journal of Economic Dynamics and Control"
<https://doi.org/10.1016/j.jedc.2023.104619>
- 2023 Ferraresi, Ghezzi, Vanni, Caiani, Guerini, Lamperti, Reissl, Fagiolo, Napoletano, Roventini.
On the economic and health impact of the COVID-19 shock on Italian regions: A value chain approach
"Regional Studies"
<https://doi.org/10.1016/j.jedc.2023.104619>
- 2022 Guerini, Luu, Napoletano
Synchronization Patterns in the European Union
"Applied Economics"
<https://doi.org/10.1080/00036846.2022.2101607>
- 2022 Guerini, Lamperti, Napoletano, Roventini, Treibich
Unconventional Monetary Policies in an Agent-Based Model with Mark-to-Market Standards
"Review of Evolutionary Political Economy"
<https://doi.org/10.1007/s43253-022-00065-8>
- 2022 Reissl, Caiani, Lamperti, Guerini, Vanni, Fagiolo, Ferraresi, Ghezzi, Napoletano, Roventini
Assessing the economic effects of lockdowns in Italy: a dynamic Input-Output approach.
"Industrial and Corporate Change"
<https://doi.org/10.1093/icc/dtac003>

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| 2021 | Guerini, Harting, Napoletano
<i>Governance structure, technical change and industry competition</i>
"Journal of Economic Dynamics and Control"
https://doi.org/10.1016/j.jedc.2021.104294 |
| 2021 | Calvino, Giachini, Guerini
<i>The age distribution of business firms</i>
"Journal of Evolutionary Economics"
https://doi10.1007/s00191-021-00747-2 |
| 2021 | Guerini, Nesta, Musso
<i>Can You Jump This High? Quantifying Barriers to Market Participation</i>
"Economic Modelling"
https://doi.org/10.1016/j.econmod.2021.02.017 |
| 2020 | Guerini, Moneta, Napoletano, Roventini
<i>The Janus-Faced Nature of Debt: Results from a Data-Driven Cointegrated SVAR Approach</i>
"Macroeconomic Dynamics"
https://doi.org/10.1017/S1365100518000445 |
| 2018 | Guerini, Napoletano, Nesta
<i>Convergences des structures productives et des cycles industriels dans l'Union Européenne</i>
"Revue de l'OFCE"
https://doi.org/10.3917/reof.158.0127 |
| 2018 | Guerini, Lamperti, Mazzocchetti
<i>Unconventional Monetary Policy: Between the Past and Future of Monetary Economics</i>
"European Journal of Economics and Economic Policies: Intervention"
https://doi.org/10.4337/ejeep.2018.0036 |
| 2018 | Guerini, Napoletano, Roventini
<i>No Man Is an Island: The Impact of Heterogeneity and Local Interactions on Macroeconomic Dynamics</i>
"Economic Modelling"
https://doi.org/10.1016/j.econmod.2017.05.004 |
| 2017 | Guerini, Moneta
<i>A Method for Agent-Based Models Validation</i>
"Journal of Economic Dynamics and Control"
https://doi.org/10.1016/j.jedc.2017.06.001 |

Publications in Books and Collections

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| 2020 | Guerini, Nesta, Ragot, Schiavo
<i>Les Dynamique des défaillances d'entreprise en France et crise de la Covid-19.</i>
in OFCE Eds. Repères - L'économie française 2021
https://www.cairn.info/l-economie-francaise-2021--9782348064142-page-103.htm |
| 2019 | Guerini, Lamperti, Mazzocchetti
<i>Unconventional Monetary Policy in the United States and in Europe</i>
in Vlasskos, Vasileios and Bitzenis, Aristides. (Eds.) "European Union: Post Crisis Challenges and Prospects for Growth". Palgrave Macmillan.
https://doi.org/10.1007/978-3-030-18103-1_3 |

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| 2019 | Fagiolo, Guerini, Lamperti, Moneta, Roventini
<i>Validation of Agent-Based Models in Economics and Finance</i>
in Beisbart, Claus and Nicole J. Saam (Eds.) "Handbook of Computer Simulation Validation. Fundamental Concepts, Methodological Frameworks, Philosophical Perspectives".
Cham: Springer International Publishing.
https://doi.org/10.1007/978-3-319-70766-2_31 |
| 2018 | Guerini, Napoletano, Nesta
<i>Dynamique et synchronisation des industries manufacturières de l'Union européenne.</i>
in OFCE Eds. Repères - L'économie européenne 2019
https://doi.org/10.3917/reof.158.0127 |

Working Papers

2026	Grugni, Bazzana, Guerini <i>Steering Carbon Farming Transition: An Agent-Based Exploration of Incentive Mechanisms</i> FEEM Working Paper https://feem-media.s3.eu-central-1.amazonaws.com/wp-content/uploads/NDL2026-23.pdf
2025	Barbieri, Guerini, Napoletano <i>When Credit Growth Diverges: Common Dynamics and Regional Heterogeneity in Italy</i> FEEM Working Paper https://feem-media.s3.eu-central-1.amazonaws.com/wp-content/uploads/NDL2026-15.pdf
2025	Guerini, Marin, Vona <i>Can Easing Financial Constraints Reduce Carbon Emissions? Evidence from a Large Sample of French Companies</i> FEEM Working Paper https://feem-media.s3.eu-central-1.amazonaws.com/wp-content/uploads/NDL2025-31-3.pdf
2019	Antonin, Guerini, Napoletano, Vona <i>Italy: Escaping the high-debt and low-growth trap</i> Sciences Po OFCE Working Paper, n. 07/2019 www.ofce.sciences-po.fr/pdf/dtravail/WP2019-07.pdf
2013	Guerini <i>Is the Friedman Rule Stabilizing? Some Unpleasant Results in a Heterogeneous Expectations Framework</i> DISCE Working Papers 2013/03, Catholic University of Milan https://tinyurl.com/yavecruf

Policy Briefs and Blogs

2025	Barbieri, Guerini, Napoletano <i>The Anatomy of Government Bond Yield Synchronization in the Euro Area.</i> (OFCE Le Blog). https://www.ofce.sciences-po.fr/blog2024/en/2025/20250825_MNMGCB/
2020	Guerini, Nesta, Ragot, Schiavo <i>Firm liquidity and solvency under the Covid-19 lockdown in France.</i> (OFCE Policy Brief n.76). https://www.ofce.sciences-po.fr/pdf/pbrief/2020/OFCEpbrief76.pdf
2020	Task Force Ministero Innovazione <i>Lockdown, dinamiche regionali e settoriali.</i> https://github.com/taskforce-covid-19/documenti/blob/master/sgdl3_Impatto_Economico/sgdl3_lockdown_dinamiche_regionali_e_settoriali.pdf
2020	Guerini, Napoletano <i>L'economia dell'Unione Europea ai tempi del Coronavirus.</i> https://sbilanciamoci.info/leconomia-dellunione-europea-ai-tempi-del-coronavirus/
2019	Antonin, Guerini, Napoletano, Vona <i>Italy: Escaping the high-debt and low-growth trap.</i> (OFCE Policy Brief n.56). https://www.ofce.sciences-po.fr/pdf/pbrief/2019/OFCEpbrief56.pdf

2019	Guerini, Guillou, Salies <i>De la signification des taux d'imposition des entreprises en France.</i> (OFCE Le Blog). https://tinyurl.com/y47nxjfl
2018	Guerini, Guillou, Nesta, Ragot, Salies <i>Impôt sur les sociétés: état des lieux et effets différenciés de la réforme.</i> (OFCE Policy Brief n.38). https://tinyurl.com/yac53gk9
2018	Dosi, Guerini, Lamperti, Napoletano, Roventini, Treibich <i>Balance Sheet Based Unconventional Monetary Policies in the K+S Agent-Based Model.</i> https://www.iris.sssup.it/retrieve/handle/11382/523314/39024/working_paper_2018_27.pdf
2018	Battiston, Guerini, Napoletano, Stolbova <i>Financialization in EU and its consequences.</i> (Policy Brief for ISIGrowth EU H-2020 Project). https://tinyurl.com/yac53gk9
2018	Guerini, Guillou <i>Quel avenir pour l'industrie européenne?</i> "Alternatives Economiques" (Hors Serie N.114) https://www.alternatives-economiques.fr/lindustrie-europeenne-quete-davenir/00083046
2018	Guerini, Moneta, Napoletano, Roventini <i>Sur la double nature de la dette.</i> "OFCE Blog" https://www.ofce.sciences-po.fr/blog/9973-2/#more-9973

Referee Activity

from 2025	Austrian Academy of Sciences (1 project)
from 2024	Economics and Philoposy (1 paper) Swiss National Science Foundation (1 project)
from 2023	Italian Economic Journal (2 papers) Energy Economics (3 papers)
from 2021	Journal of Economic Dynamics and Control (4 papers) Structural Change and Economic Dynamics (1 paper) Research Policy (2 papers) Health Economics (1 paper) International Journal of Microsimulation (1 paper)
from 2020	Industrial and Corporate Change (2 paper) Journal of Macroeconomics (1 paper) Plos One (2 papers) Economic Notes (1 paper) SN Business & Economics (2 papers)
from 2019	Macroeconomic Dynamics (4 papers) Research in International Business and Finance (1 paper)
from 2018	Computational Economics (3 papers) Revue de l'OFCE (1 paper)
from 2017	Ecological Economics (2 papers) Simulation Modelling Practice and Theory (1 paper)
from 2016	Journal of Economic Behavior and Organization (9 papers) Economic Modelling (6 papers) Journal of Evolutionary Economics (4 papers) Advances in Complex Systems (2 papers)
from 2015	Journal of Economic Interaction and Coordination (5 papers)

PhD Commissions and External Referee

2026	Insubria University of Varese, Referee for the PhD thesis of Prasojo Hadi
2025	Sant'Anna School of Advanced Studies, External Referee and Member of the Commission for the PhD defence of Cappa Elisabetta
	Bicocca University of Milan, Referee for the PhD thesis of Xiao Li
	Politechnic University of Ancona, Referee for the PhD thesis of Agnesi Alessandro
2023	Université Côte d'Azur, External Referee for the PhD thesis of Ciambezi Leonardo
2021	Catholic University of Milan, External Referee for the PhD thesis of Di Noia Jlenia
	Catholic University of Milan, External Referee for the PhD thesis of Iannotta Gabriele
	Parthenope University of Naples, Member of the commission for the PhD defence of Cacciuottolo Jessica
	Parthenope University of Naples, Member of the commission for the PhD defence of Di Lecce Vincenzo

Thesis Supervision

PhD level	4 students: Brignoli Federico Maria (UNIBS, ongoing) Zulfiquar Hanzala (UNIBS, ongoing) Moheuddin Mir Md (UNIBS, ongoing) Giovanni Cirigliano (UCSC)
MSc level	≈ 25 students
BA level	≈ 35 students

International Conferences

2026	IAERE Conference, Trento University, Italy WEHIA, Politechnic University, Ancona, Italy CEF, Cà Foscari University, Venice, Italy
2025	IAERE Conference, Roma Tre University, Italy WEHIA, Queen Mary University, London, UK GDRE Symposium on Money, Banking and Finance, Université Côte d'Azur, Nice, France SIE Conference, Parthenope University of Naples, Italy
2024	IEB Symposium, Universitat de Bcelona, Spain IWEEE Workshop, Bolzano University, Italy WEHIA, Bamberg University, Bamberg, Germany EEA, Erasmus School of Economics, Rotterdam, Netherlands Workshop on the Economic Implications of Climate Change and the Transition to a Low-Carbon Economy, Bank of Italy, Rome, Italy
2023	FAERE, Montpellier University, France CEF Côte d'Azur University, France IAERE, Parthenope University, Naples, Italy
2022	WEHIA, University of Catania, Catania, Italy
2021	EMIL Workshop, University of Trento, Italy ISGEP Worksop, Côte d'Azur University, France EAEPE, Web Conference WEHIA Online Workshop
2020	EAEPE, Web Conference
2019	EAEPE, Warsaw School of Economics, Poland CEF, Carleton University, Ottawa, Canada WEHIA, City University, London, UK UCA Complex Days, University of Côte d'Azur, Nice, FR
2018	CFE-CSMStatistics, Pisa University, Italy ICEED, Bari University, Italy EAEPE, Côte d'Azur University, France WEHIA, Tokyo University, Japan CEF, Milano Catholic University, Italy ISCEF, Paris, France FINEXUS, University of Zurich, Switzerland
2017	EAEPE, Budapest Corvinus University, Czech Republic FINGRO, Milano University, Italy WEHIA, Milano Catholic University, Italy IMA, Turin Collegio Carlo Alberto, Italy EMAEE, Strasbourg University, France CESAE, Côte d'Azur University, France
2016	EAEPE, Manchester University, UK CRISIS, Ancona University, Italy CEF, Bordeaux University, France WEHIA, Castellon de la Plana University, Spain ISCEF, Paris, France BRICK PhD Workshop, Torino Collegio Carlo Alberto, Italy
2015	EMAEE, Maastricht University, Netherlands WEHIA, Nice University, France
2014	BIGSEM PhD Workshop, Bielefeld University, Germany

Seminar Invitations

2026	<i>Weekly seminar series</i> , Queen Mary University, London, United Kingdom
2025	<i>Weekly seminar series</i> , Sant'Anna School of Advanced Studies, Pisa, Italy
2024	<i>in-house seminar series</i> , FEEM, Fondazione ENI Enrico Mattei, Milan, Italy
2023	<i>Weekly seminar series</i> , CLE, Catholic University of Milan, Italy
2022	<i>Weekly seminar series</i> , Parthenope University of Naples, Italy
2021	<i>ABM4Policy seminar series</i> , online
2020	<i>Round table on business bankruptcy during the Covid-19</i> , Ministère des Finances, Paris, France
	<i>OFCE Lunch Seminar</i> , OFCE-SciencesPo, Paris, France
2019	<i>BIGSEM Seminar Series</i> , University of Bielefeld, Germany
	<i>DISEI Seminar Series</i> , University of Florence, Italy
	<i>OFCE Lunch Seminar</i> , OFCE-SciencesPo, Paris, France
2018	<i>Erich-Schneider Seminar Series</i> , University of Kiel, Germany
2017	<i>LEM Seminar Series</i> , Sant'Anna School of Advanced Studies of, Pisa, Italy
	<i>Kent Workshop on ABM validation</i> , Kent University, Canterbury, UK
	<i>OFCE Lunch Seminar</i> , OFCE-SciencesPo, Paris, France
2016	<i>Complex Evolving System Approach in Economics</i> , University of Nice, France
2013	<i>CeNDEF Lunch Seminar</i> , University of Amsterdam, Netherlands

Other Skills

Softwares	$\LaTeX$ (proficient) R (proficient) Matlab (good) Stata (basic) Python (basic) ChatGPT (good) Microsoft Office (good)
Languages	Italian (native) English (proficient) French (good)

Summer Schools

2015	Nobel Laureates summer school on <i>Fiscal and Monetary Policy</i> , Iseo, Italy A week of lectures by Professors George Akerlof, Robert Shiller, Michael Spence WEHIA summer school, Nice, France Topics: ABM, Network, Experimental Economics INET winter school on <i>Fully Scalable Macro Models</i> , Limerick, Ireland Topics: ABM, SFC, Object-Oriented Programming
2014	CIDE summer school on <i>Time Series Econometrics</i> , Bertinoro, Italy Topics: VAR, VECM, CVAR, GARCH, Macroeconometrics with R

2011

LSE summer school on *Topics in Econometrics*, London, United Kingdom
Topics: Panel Data, Difference-In-Difference, Quantile Regression, Microeconometrics with STATA

Anything declared in this document corresponds to the truth as of articles 46 and 47 of the D.P.R. 445/2000.
Tutto quanto dichiarato corrisponde a verità ai sensi degli articoli 46 e 47 del D.P.R. 445/2000.

Mattia Guerini

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