

MATTIA GUERINI

Assistant Professor
University of Brescia (DEM)
via San Faustino 74/b
25122, Brescia

Senior Researcher
Fondazione ENI Enrico Mattei (FEEM)
corso Magenta 63
20123, Milano

Academic Career

2022/05-current	Senior Researcher, Fondazione Eni Enrico Mattei (FEEM)
2020/12-current	Assistant Professor (RTD-B, SECS-P/01), University of Brescia
2019/03-2020/12	Post-doc Marie Curie, Université Côte d'Azur (GREDEG)
2016/10-2019/02	Post-doc, OFCE SciencesPo

Education

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

Visiting Periods

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 researcher (4 months) - CeNDEF, University of Amsterdam, Netherlands

Teaching Experience

2022 to 2023	Prof. Empirical Economics (University of Brescia), B.A. level - English
2021 to 2023	Prof. Econometria dei Mercati Finanziari (University of Brescia), M.Sc. level - Italian
2019 to 2022	Prof. Validation of ACE Models (Université Côte d'Azur), Ph.D. level - English
2019 to 2020	Prof. Introduction to R (Université Côte d'Azur), M.Sc. level - English
2018 to 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

Other Academic Appointments

2021/05	Italian habilitation for the Associate Professor position (SECS-P/01)
2018/11-2020/10	Member of the Scientific Committee of UCA Academy 2 - Complex Systems
2018/10-2019/09	Responsible for the KTO-GREDEG-OFCE seminar series
2018/01	French habilitation for the "Maitre de Conference" (Assistant Professor) position
2016/10-2018/05	ISIGrowth and Dolfins EU-H2020 Projects (post-doc researcher)

Publications in Peer Reviewed Journals

2022	Guerini, Luu, Napoletano <i>Synchronization Patterns in the European Union</i> "Applied Economics" https://doi.org/10.1080/00036846.2022.2101607
2022	Guerini, Lamperti, Napoletano, Roventini, Treibich <i>Unconventional Monetary Policies in an Agent-Based Model with Mark-to-Market Standards</i> "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 <i>Assessing the economic effects of lockdowns in Italy: a dynamic Input-Output approach.</i> "Industrial and Corporate Change" https://doi.org/10.1093/icc/dtac003
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://doi.org/10.1007/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 | <p>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</p> |
| 2019 | <p>Guerini, Lamperti, Mazzocchetti
 <i>Unconventional Monetary Policy in the United States and in Europe</i>
 in Vlaskos, 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</p> |
| 2019 | <p>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</p> |
| 2018 | <p>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</p> |

Working Papers

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| 2022 | <p>Guerini, Nesta, Ragot, Schiavo
 <i>The Zombification of the Economy? Assessing the Effectiveness of French Government Support During COVID-19 Lockdown</i>
 LEM Working Paper n. 20/2022
 http://www.lem.sssup.it/WPLem/files/2022-20.pdf</p> |
| 2022 | <p>Guerini, Vanni, Napoletano
 <i>E pluribus, quaedam. Gross domestic product out of a dashboard of indicators.</i>
 LEM Working Paper n. 15/2022
 http://www.lem.sssup.it/WPLem/files/2022-15.pdf</p> |
| 2021 | <p>Fontanelli, Guerini, Napoletano
 <i>International Trade and Technological Competition in Markets with Dynamic Increasing Returns</i>
 LEM Working Paper n. 27/2021
 http://www.lem.sssup.it/WPLem/files/2021-27.pdf</p> |
| 2021 | <p>Ferraresi, Ghezzi, Vanni, Caiani, Guerini, Lamperti, Reissl, Fagiolo, Napoletano, Roventini
 <i>On the economic and health impact of the COVID-19 shock on Italian regions: A value chain approach.</i>
 LEM Working Paper n. 10/2021
 http://www.lem.sssup.it/WPLem/files/2021-10.pdf</p> |
| 2021 | <p>Barbieri, Guerini, Napoletano
 <i>The Anatomy of Government Bond Yields Synchronization in the Eurozone</i>
 LEM Working Paper n. 07/2021
 http://www.lem.sssup.it/WPLem/files/2021-07.pdf</p> |

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| 2019 | <p>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</p> |
| 2013 | <p>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</p> |

Policy Briefs

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| 2020 | <p>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</p> |
| 2020 | <p>Task Force Ministero Innovazione
 <i>Lockdown, dinamiche regionali e settoriali.</i>
 https://github.com/taskforce-covid-19/documenti/blob/master/sgdl_3_Impatto_Economico/sgdl3_lockdown_dinamiche_regionali_e_settoriali.pdf</p> |
| 2020 | <p>Guerini, Napoletano
 <i>L'economia dell'Unione Europea ai tempi del Coronavirus.</i>
 https://sbilanciamoci.info/leconomia-dellunione-europea-ai-tempi-del-coronavirus/</p> |
| 2019 | <p>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</p> |
| 2019 | <p>Guerini, Guillou, Salies
 <i>De la signification des taux d'imposition des entreprises en France.</i> (OFCE Le Blog).
 https://tinyurl.com/y47nxjfl</p> |
| 2018 | <p>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</p> |
| 2018 | <p>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</p> |
| 2018 | <p>Battiston, Guerini, Napoletano, Stolbova
 <i>Financialization in EU and its consequences.</i> (Policy Brief for ISIGrowth EU H-2020 Project).
 https://tinyurl.com/yac53gk9</p> |
| 2018 | <p>Guerini, Guillou
 <i>Quel avenir pour l'industrie européenne?</i>
 <i>"Alternatives Economiques"</i> (Hors Serie N.114)
 https://www.alternatives-economiques.fr/lindustrie-europeenne-quete-davenir/00083046</p> |

2018	<p>Guerini, Moneta, Napoletano, Roventini</p> <p><i>Sur la double nature de la dette.</i></p> <p>“OFCE Blog”</p> <p>https://www.ofce.sciences-po.fr/blog/9973-2/#more-9973</p>
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Referee Activity

from 2021	Journal of Economic Dynamics and Control (1 paper) Structural Change and Economic Dynamics (1 paper) Research Policy (1 paper) Health Economics (1 paper) International Journal of Microsimulation (1 paper)
from 2020	Industrial and Corporate Change (1 paper) Journal of Macroeconomics (1 paper) Plos One (2 papers) Economic Notes (1 paper) SN Business & Economics (2 papers)
from 2019	Macroeconomic Dynamics (2 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 (5 papers) Economic Modelling (5 papers) Journal of Evolutionary Economics (3 papers) Advances in Complex Systems (2 papers)
from 2015	Journal of Economic Interaction and Coordination (4 papers)

Commissions

2021	<p>Parthenope University of Naples, Member of the commission for the PhD of Cacciutozzolo Jessica and Di Lecce Vincenzo</p> <p>Catholic University of Milan, External Referee for the PhD Theses of Di Noia Jlenia and Iannotta Gabriele</p> <p>Université Côte d’Azur, External Referee for the PhD of Ciambezi Leonardo</p>
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Thesis Advisor

2022	<p>PhD: Giovanni Cirigliano (Catholic University of Milan)</p> <p>MSc: Alessia Gavazzi (UniBS) Ilaria Mometti (UniBS)</p> <p>BA: Cloe Bodei (UniBS) Matteo Calarco (UniBS) Andrea Gatto (UniBS) Alessandro Proietti (UniBS)</p>
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International Conferences

2022	WEHIA, University of Catania, Catania, IT
2021	EMIL Workshop, University of Trento, Italy ISGEP Worksop, Côte d'Azur University, France EAEPE, Web Conference WEHIA Online Workshop
2020	EAEPE, Web Confenrence
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

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

Short Courses and Summer Schools

2015	<p>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</p> <p>WEHIA summer school, Nice, France Covered Topics: ABM, Network, Experimental Economics</p> <p>INET winter school on <i>Fully Scalable Macro Models</i>, Limerick, Ireland Covered Topics: ABM, SFC, Object-Oriented Programming</p>
2014	<p>CIDE summer school on <i>Time Series Econometrics</i>, Bertinoro, Italy Covered Topics: VAR, VECM, CVAR, GARCH, Macroeconometrics with R</p>
2011	<p>LSE summer school on <i>Topics in Econometrics</i>, London, United Kingdom Covered Topics: Panel Data, Difference-In-Difference, Quantile Regression, Microeconometrics with STATA</p>

Organizational Experiences

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
2018	Marie Curie ST-IF. Preparation of the project and application to the European Commission. Overall grade: 89% (Seal of Excellence certificate).
2017	<p>ORA call for projects. Among the proponents for a joint project with Oxford (UK), Kent (UK), Kiel (DE), Bielefeld, (DE) and Hyogo (JP) universities. The project has been short-listed but did not receive funding.</p> <p>EAEPE special session on unconventional monetary policy, Corvinus University, Budapest, Czech-Republic</p> <p>CESAE workshop on agent-based models, Sophia-Antipolis, France</p>
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 Skills

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