

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), University of Brescia
2019/03-2020/12	Marie Curie Research Fellow, 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, Bielefeld, Germany
2015	Visiting researcher (2 months) - SKEMA Business School, Nice, France
2014	Visiting student (1 month) - University of Strasbourg, France
2012	Visiting researcher (4 months) - CeNDEF, University of Amsterdam, Netherlands

Teaching Experience

2022	Prof. Empirical Economics (University of Brescia), B.A. level - English
2022 & 2021	Prof. Econometria dei Mercati Finanziari (University of Brescia), M.Sc. level - Italian
2020 & 2019	Prof. Validation of ACE Models (Université Côte d'Azur), Ph.D. level - English
2020 & 2019	Prof. Introduction to R (Université Côte d'Azur), M.Sc. level - English
2020 & 2019 & 2018	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
2016	T.A. Economia Politica (University of Pisa), B.A. level - Italian
2015	T.A. Economia Politica (University of Pisa), B.A. level - Italian

Other Academic Appointments

2021/01-current	Member of the "Commissione Erasmus e Relazioni Internazionali", "Commissione Carriere", "Commissione Domande e Pratiche Studenti" at the Department of Economics and Management, University of Brescia
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, 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/dtaco03>
- 2021 Guerini, Harting, Napoletano
Governance structure, technical change and industry competition
"Journal of Economic Dynamics and Control"
<https://doi.org/10.1016/j.jedc.2021.104294>
- 2021 Calvino, Giachini, Guerini
The age distribution of business firms
"Journal of Evolutionary Economics"
<https://doi10.1007/s00191-021-00747-2>
- 2021 Guerini, Nesta, Musso
Can You Jump This High? Quantifying Barriers to Market Participation
"Economic Modelling"
<https://doi.org/10.1016/j.econmod.2021.02.017>
- 2020 Guerini, Moneta, Napoletano, Roventini
The Janus-Faced Nature of Debt: Results from a Data-Driven Cointegrated SVAR Approach
"Macroeconomic Dynamics"
<https://doi.org/10.1017/S1365100518000445>
- 2018 Guerini, Napoletano, Nesta
Convergences des structures productives et des cycles industriels dans l'Union Européenne
"Revue de l'OFCE"
<https://doi.org/10.3917/reof.158.0127>
- 2018 Guerini, Lamperti, Mazzocchetti
Unconventional Monetary Policy: Between the Past and Future of Monetary Economics
"European Journal of Economics and Economic Policies: Intervention"
<https://doi.org/10.4337/ejeep.2018.0036>
- 2018 Guerini, Napoletano, Roventini
No Man Is an Island: The Impact of Heterogeneity and Local Interactions on Macroeconomic Dynamics
"Economic Modelling"
<https://doi.org/10.1016/j.econmod.2017.05.004>
- 2017 Guerini, Moneta
A Method for Agent-Based Models Validation
"Journal of Economic Dynamics and Control"
<https://doi.org/10.1016/j.jedc.2017.06.001>

Publications in Books and Collections

- 2020 Guerini, Nesta, Ragot, Schiavo
Les Dynamique des défaillances d'entreprise en France et crise de la Covid-19.
in OFCE Eds. Repères - L'économie française 2021
<https://www.cairn.info/1-economie-francaise-2021--9782348064142-page-103.htm>
- 2019 Guerini, Lamperti, Mazzocchetti
Unconventional Monetary Policy in the United States and in Europe
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
- 2019 Fagiolo, Guerini, Lamperti, Moneta, Roventini
Validation of Agent-Based Models in Economics and Finance
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
Dynamique et synchronisation des industries manufacturières de l'Union européenne.
in OFCE Eds. Repères - L'économie européenne 2019
<https://doi.org/10.3917/reof.158.0127>

Working Papers

- 2021 Fontanelli, Guerini, Napoletano
International Trade and Technological Competition in Markets with Dynamic Increasing Returns
LEM Working Paper n. 27/2021
<http://www.lem.sssup.it/WPLem/files/2021-27.pdf>
- 2021 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.
LEM Working Paper n. 10/2021
<http://www.lem.sssup.it/WPLem/files/2021-10.pdf>
- 2021 Barbieri, Guerini, Napoletano
The Anatomy of Government Bond Yields Synchronization in the Eurozone
LEM Working Paper n. 07/2021
<http://www.lem.sssup.it/WPLem/files/2021-07.pdf>
- 2019 Guerini, Luu, Napoletano
Synchronization Patterns in the European Union
GREDEG Working Paper n. 30/2019
<http://www.gredeg.cnrs.fr/working-papers/GREDEG-WP-2019-30.pdf>
- 2019 Antonin, Guerini, Napoletano, Vona
Italy: Escaping the high-debt and low-growth trap
Sciences Po OFCE Working Paper, n. 07/2019
www.ofce.sciences-po.fr/pdf/dtravail/WP2019-07.pdf

- 2013 | Guerini
Is the Friedman Rule Stabilizing? Some Unpleasant Results in a Heterogeneous Expectations Framework
 DISCE Working Papers 2013/03, Catholic University of Milan
<https://tinyurl.com/yavecruf>

Publications of Policy Briefs and Contributions to Public Debates

- 2020 | Guerini, Nesta, Ragot, Schiavo
Firm liquidity and solvency under the Covid-19 lockdown in France. (OFCE Policy Brief n.76).
<https://www.ofce.sciences-po.fr/pdf/pbrief/2020/OFCEpbrief76.pdf>
- 2020 | Task Force Ministero Innovazione
Lockdown, dinamiche regionali e settoriali.
https://github.com/taskforce-covid-19/documenti/blob/master/sgdl_3_Impatto_Economico/sgdl3_lockdown_dinamiche_regionali_e_settoriali.pdf
- 2020 | Guerini, Napolitano
L'economia dell'Unione Europea ai tempi del Coronavirus.
<https://sbilanciamoci.info/leconomia-dellunione-europea-ai-tempi-del-coronavirus/>
- 2019 | Antonin, Guerini, Napolitano, Vona
Italy: Escaping the high-debt and low-growth trap. (OFCE Policy Brief n.56).
<https://www.ofce.sciences-po.fr/pdf/pbrief/2019/OFCEpbrief56.pdf>
- 2019 | Guerini, Guillou, Salies
De la signification des taux d'imposition des entreprises en France. (OFCE Le Blog).
<https://tinyurl.com/y47nxjfl>
- 2018 | Guerini, Guillou, Nesta, Ragot, Salies
Impôt sur les sociétés: état des lieux et effets différenciés de la réforme. (OFCE Policy Brief n.38).
<https://tinyurl.com/yac53gk9>
- 2018 | Dosi, Guerini, Lamperti, Napolitano, Roventini, Treibich
Balance Sheet Based Unconventional Monetary Policies in the K+S Agent-Based Model.
https://www.iris.sssup.it/retrieve/handle/11382/523314/39024/working_paper_2018_27.pdf
- 2018 | Battiston, Guerini, Napolitano, Stolbova
Financialization in EU and its consequences. (Policy Brief for ISIGrowth EU H-2020 Project).
<https://tinyurl.com/yac53gk9>
- 2018 | Guerini, Guillou
Quel avenir pour l'industrie européenne?
 "Alternatives Economiques" (Hors Serie N.114)
<https://www.alternatives-economiques.fr/lindustrie-europeenne-quete-davenir/00083046>
- 2018 | Guerini, Moneta, Napolitano, Roventini
Sur la double nature de la dette.
 "OFCE Blog"
<https://www.ofce.sciences-po.fr/blog/9973-2/#more-9973>

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 (1 paper) 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 (1 paper) 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 (4 papers) Economic Modelling (4 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	Parthenope University of Naples, Member of the commission for the PhD of Cacciottolo Jessica and Di Lecce Vincenzo Catholic University of Milan, External Referee for the PhD Theses of Di Noia Jlenia and Iannotta Gabriele Université Côte d'Azur, External Referee for the PhD of Ciambezi Leonardo
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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 Conferrence
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	<p>EAEPE special session on macroeconomics agent-based models, Warsaw School of Economics, Warsaw, Poland</p>
2018	<p>EAEPE special session on credit markets and the effects on the real economy, Nice University, Nice, France</p>
2018	<p><i>Marie Curie ST-IF</i>. Preparation of the project and application to the European Commission. Overall grade: 89% (Seal of Excellence certificate).</p>
2017	<p><i>ORA call for projects</i>. 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	<p><i>Freewheeling Econometrics</i> workshop, Scuola Superiore Sant'Anna, Pisa, Italy (INET-YSI funded)</p>
2015	<p>WEHIA summer school, Nice, France (INET-YSI funded)</p>
2014	<p><i>Debunking Austerity</i> workshop, Scuola Superiore Sant'Anna, Pisa, Italy (INET-YSI funded)</p>
2013	<p><i>Rethinking Macroeconomics</i> workshop, Università Cattolica, Milano, Italy (INET-YSI funded)</p>

Other Skills

OS	Mac-OS Linux (Debian based versions)
Softwares	LaTeX(proficient) R (proficient) Matlab (good) Stata (good) Microsoft Office (good)
Languages	Italian (native) English (proficient) French (good)

