

MATTIA GUERINI

OFCE - SciencesPo
60, Rue Dostoievski.
06902, Sophia-Antipolis, France

Phone (FR): (+33) 6 49 81 71 11
Email: mattia.guerini@sciencespo.fr
Homepage: www.mattiaguerini.com

Academic Career

2018	French habilitation for the "Maitre de Conference" position (Assistant Professor)
2018/06-pres.	Post-doc, OFCE SciencesPo
2016/10-2018/05	Post-doc, OFCE SciencesPo (funded by the ISIGrowth and Dolpins EU Projects)

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, with honours
2007/09-2010/09	B.A. Economics, Catholic University of Milan

Visiting Periods

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

2018	T.A. CORE Economics (SciencesPo), B.A. level - taught in English
2016	T.A. Computational Economics (Sant'Anna School), M.Sc. level - taught in English T.A. Macroeconomics (Sant'Anna School), M.Sc. level - taught in English T.A. Economics 101 (University of Pisa), B.A. level - taught in Italian
2015	T.A. Economics 101 (University of Pisa), B.A. level - taught in Italian

Referee Activity

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 (2 papers) Economic Modelling (3 papers) Journal of Evolutionary Economics (1 paper)
from 2015	Advances in Complex Systems (2 papers) Journal of Economic Interaction and Coordination (1 paper)

Research Interests

- Macroeconomics
- Industrial dynamics
- Agent-Based models
- Causal search

Publications

- 2018 | Guerini, Napoletano, Nesta
Structural and business cycle convergence in the European Union
"Revue de l'OFCE" (forthcoming)
- 2018 | Guerini, Lamperti, Mazzocchetti
Unconventional Monetary Policy: Between the Past and Future of Monetary Economics
"European Journal of Economics and Economic Policies: Intervention" (forthcoming)
<http://www.lem.sssup.it/WPLem/2018-09.html>
- 2018 | Fagiolo, Guerini, Lamperti, Moneta, Roventini
Validation of Agent-Based Models in Economics and Finance
Beisbart, Claus and Nicole J. Saam (Eds.) "Handbook of Computer Simulation Validation. Fundamental Concepts, Methodological Frameworks, Philosophical Perspectives". Cham: Springer International Publishing (forthcoming).
<http://www.lem.sssup.it/WPLem/2017-23.html>
- 2018 | 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, 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>

Working Papers

- 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>

Policy briefs and blogs

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| 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 Série 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 |

Work in Progress

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| 2018/10
(expected) | Guerini, Luu, Napoletano
<i>Synchronization Patterns in the European Union</i>
In this paper we propose a novel approach, based on Random Matrix Theory and Dynamic Factor Models, in order to investigate the patterns of business cycles synchronization in the European Union. |
| 2018/10
(expected) | Guerini, Napoletano, Gaffard
<i>Borrowing Constraints, Banks Time-Horizons and the Evolution of Industries</i>
In this paper we employ a new agent-based model to study the role that credit has on the evolution of an industry organizational structure and we use empirical French firm level data to reconcile the model with the empirical evidence. |
| 2018/12
(expected) | Dosi, Guerini, Lamperti, Napoletano, Roventini, Treibich
<i>Balance Sheet Based Unconventional Monetary Policies in the K+S Agent-Based Model</i>
In this paper we employ the well established "K+S" agent-based model and we enrich it with a decentralized bond market in order to study the role of quantitative easing, helicopter money and zero-lower bound policies. |
| | Guerini, Nesta, Napoletano, Gaffard
<i>Product Market Competition, Labour Productivity Growth and Financial Dependence</i>
In this paper we employ a firm-level microdataset to evaluate the association between PMC and labour productivity growth. The hypothesis that we are testing concerns the way in which financial dependence (measured either at the firm level or at the industry level) might affect the relation between the two variables of interest. |
| | Guerini, Harting, Napoletano
<i>Firm Structure, Share Buybacks and Industry Dynamics</i> |
| | Calvino, Guerini
<i>A Joint Explanation of the Age, Size and Growth distributions.</i> |
| | Barucca, Battiston, Canon, Guerini, Napoletano
<i>Collaterals Flows and Financial Stability</i> |

International Conferences

2018	EAEPE, Nice 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, Sophia-Antipolis, Nice
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

2018	<i>KIEL University Seminar Series</i> , Kiel, Germany
2017	<i>LEM Seminar Series</i> , Pisa, Italy <i>Kent Workshop on ABM validation</i> , Kent University, Canterbury, UK <i>OFCE Paris 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	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 Covered Topics: ABM, Network, Experimental Economics INET winter school on <i>Fully Scalable Macro Models</i> , Limerick, Ireland Covered Topics: ABM, SFC, Object-Oriented Programming
2014	CIDE summer school on <i>Time Series Econometrics</i> , Bertinoro, Italy Covered Topics: VAR, VECM, CVAR, GARCH, Macroeconometrics with R
2011	LSE summer school on <i>Topics in Econometrics</i> , London, United Kingdom Covered Topics: Panel Data, Difference-In-Difference, Quantile Regression, Microeconometrics with STATA

Organizational Experiences

2018	<i>EAEPE</i> special session on credit markets and the effects on the real economy, Nice University, Nice, France
2018	<i>Marie Curie ST-IF</i> . Preparation of the project and application to the European Commission. Overall grade: 89% (Seal of Excellence certificate available upon request). Ranked 1 st in the waiting list for funding.
2017	<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 and is now under evaluation for the final funding decision.
	<i>EAEPE</i> special session on unconventional monetary policy, Corvinus University, Budapest, Czech-Republic
	<i>CESAE</i> workshop on Agent-Based Models, Sophia-Antipolis, France
2016	<i>Freewheeling Econometrics</i> workshop, Scuola Superiore Sant'Anna, Pisa, Italy (INET-YSI funded)
2015	<i>WEHIA</i> summer school, Nice, France (INET-YSI funded)
2014	<i>Debunking Austerity</i> workshop, Scuola Superiore Sant'Anna, Pisa, Italy (INET-YSI funded)
2013	<i>Rethinking Macroeconomics</i> workshop, Università Cattolica, Milano, Italy (INET-YSI funded)

Other Skills

OS	Linux (Debian based versions) Mac-OS
Softwares	\LaTeX (proficient) R (proficient) Matlab (proficient) Stata (good knowledge) Gretl (good knowledge) Microsoft Office (good knowledge)
Programming	Python (basic knowledge) C++ (basic knowledge)
Languages	Italian (native) English (proficient) French (good)

