

Curriculum Vitæ atque Studiorum*

JACOPO STACCIOLI

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PERSONAL DETAILS

Born on 6th May, 1988 in Pisa, Italy

Citizenship: Italian

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Dipartimento di Politica Economica,

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CURRENT POSITION

2018–*in progress*: Postdoctoral researcher at Department of Economic Policy, Università Cattolica del Sacro Cuore, Milan, Italy.

EDUCATION

2014–*in progress*: Ph.D. candidate (*'Allievo Perfezionando'*) at International Doctoral Programme in Economics (4-year programme), Scuola Superiore Sant'Anna, Pisa, Italy.

Thesis: *Essays on the emergence of endogenous financial fluctuations*

Supervisor: Prof. Giovanni Dosi (Scuola Superiore Sant'Anna)

[degree award expected by January 2019]

2018: Visiting research fellow at London School of Economics and Political Science, London, UK.

Supervisor: Prof. Matteo Barigozzi (London School of Economics and Political Science)

2017: Visiting research fellow at OFCE (Observatoire Français des Conjonctures Économiques) – Sciences Po, Sophia Antipolis, France.

Supervisor: Dr. Mauro Napoletano (OFCE – Sciences Po)

2014: M.Sc. in Economics (*'Laurea Magistrale in Economics'*), English taught, at Scuola Superiore Sant'Anna and University of Pisa, Italy.

Final mark: 110/110 *summa cum laude et encomium*

Thesis: *Bubble-and-bust dynamics under Walrasian asset pricing and heterogeneous traders*

Supervisor: Prof. Giovanni Dosi (Scuola Superiore Sant'Anna)

2014: Visiting research fellow at Faculty of Business Administration and Economics, University of Bielefeld, Germany.

Supervisor: Prof. Herbert Dawid (University of Bielefeld)

*An updated copy of this curriculum, the corresponding EUROPASS version, and PGP digital signatures are retrievable at <https://staccioli.org/curriculum>

2011: B.Sc. in Economics ('*Laurea in Scienze Economiche*') at University of Pisa, Italy.

Final mark: 110/110 *summa cum laude*

RESEARCH ACTIVITY

Fields of interest: Computational economics, Big-data analytics, Machine learning, Natural language processing, Labour market impact of technological innovation, Industry 4.0

Publications in peer reviewed journals

Dindo, Pietro and Jacopo Staccioli (2018) 'Asset prices and wealth dynamics in a financial market with random demand shocks'. *Journal of Economic Dynamics and Control* 95, pp. 187–210. DOI: [10.1016/j.jedc.2018.08.009](https://doi.org/10.1016/j.jedc.2018.08.009).

Working papers

Cirillo, Valeria, Matteo Rinaldini, Jacopo Staccioli and Maria Enrica Virgillito (2018) *Workers' awareness context in Italian 4.0 factories*. LEM Working Papers series n. [13/2018](#).

Staccioli, Jacopo and Mauro Napoletano (2018) *An agent-based model of intra-day financial markets dynamics*. LEM Working Papers series n. [12/2018](#).

Dindo, Pietro and Jacopo Staccioli (2017) *Asset prices and wealth dynamics in a financial market with endogenous liquidation risk*. LEM Working Papers series n. [33/2017](#).

Works in progress

Trade unions' response to Industry 4.0 in the Italian Motor Valley: from corporatism to old and new dualistic tendencies
(with Valeria Cirillo, Matteo Rinaldini, and Maria Enrica Virgillito)

Intensification of working time and control: the trait d'union between artificial intelligence and Industry 4.0
(with Angelo Moro, Matteo Rinaldini, and Maria Enrica Virgillito)

A 2-step functional principal component analysis of intra-day volatility trajectories
(with Matteo Barigozzi)

Other publications

Cirillo, Valeria, Daniela Freddi, Matteo Rinaldini, Jacopo Staccioli and Maria Enrica Virgillito (2017) "Field research report on the implementation of Industry 4.0 in a sample of Italian companies". In: Matteo Gaddi, Nadia Garbellini and Francesco Garibaldi (Ed.), *Industry 4.0 and its consequences for work and labour*. Fondazione Claudio Sabattini and Associazione Culturale Punto Rosso.

Research projects: European Union's Horizon 2020 DOLFINS Project

Reviewer for: *International Journal of Computational Economics and Econometrics*

TEACHING EXPERIENCES

2017–2018: Teaching Assistant for the “*Economics and Management of Innovation*” doctoral/postgraduate course (Prof. Giovanni Dosi) at Institute of Economics, Scuola Superiore Sant’Anna, Pisa, Italy.

2011–2014: Graduate assistant (*Tutor*) for the Microeconomics undergraduate course (Prof. Luca Spataro) at Department of Economics and Management, University of Pisa, Italy.

GRANTS AND AWARDS

2014–2018: 4-year National Ph.D. scholarship, International Doctoral Programme in Economics, Scuola Superiore Sant’Anna.

2016–2017: Student Mobility grant awarded by Erasmus Plus Mobility Consortium “Talent at work” 2016/2017.

2014: Scholarship for Thesis Abroad, awarded by University of Pisa, Italy.

2008–2014: Yearly grant for academic books purchase awarded by Banca di Cascina – Credito Cooperativo, Italy.

a.y. 2011–2012: Grant for the enrolment in the Excellence Path of the Master of Science in Economics, awarded by University of Pisa, Italy.

CONFERENCE PRESENTATIONS

2018: WEHIA – 23rd Workshop on the Economic Science with Heterogeneous Interacting Agents, International Christian University, Tokyo, Japan.

2018: SASE – 30th Annual Meeting of the Society for the Advancement of Socio-Economics, Doshisha University, Kyoto, Japan.

2018: Conference “A new Industrial Revolution? Labour, Technology and the Automotive Industry”, Scuola Superiore Sant’Anna, Pisa, Italy.

2018: ISCEF – 5th International Symposium in Computational Economics and Finance, Paris, France.

2017: EAEPE – 29th Annual Conference of the European Association for Evolutionary Political Economy, Corvinus University of Budapest, Hungary.

2017: NED – 10th International Conference on Nonlinear Economic Dynamics, University of Pisa, Italy.

2017: WEHIA – 22nd Workshop on the Economic Science with Heterogeneous Interacting Agents, Università Cattolica del Sacro Cuore, Milano, Italy.

2017: International Workshop on Economic Growth, Macroeconomic Dynamics and Agents’ Heterogeneity, Department of Economics, European University at Saint Petersburg, Russia.

2017: SNDE – 25th Annual Symposium of the Society for Nonlinear Dynamics and Econometrics, Essec Business School and University of Evry, Paris, France.

2016: Siena Finance Workshop, Department of Economics and Statistics, University of Siena.

- 2016: CEF – 22nd International Conference on Computing in Economics and Finance, Society for Computational Economics, Bordeaux, France.
- 2015: First Bordeaux-Milano Joint Workshop on Agent-Based Macroeconomics, GREThA (Bordeaux University) and CLE (Catholic University of Milan), Bordeaux, France.
- 2015: WEHIA – 20th Workshop on the Economic Science with Heterogeneous Interacting Agents, SKEMA Business School and OFCE–Sciences Po, Sophia-Antipolis, France.
- 2015: VPDE-BRICK Workshop in Economics of Innovation, Complexity and Knowledge, Collegio Carlo Alberto, Torino, Italy.
- 2012: Selected speaker for the 22nd International Trade and Finance Association Conference, Pisa, Italy. [not accomplished]

SEMINAR PRESENTATIONS

- 2017: Graduate School of Economics and Business Administration, Hokkaido University, Sapporo, Japan.
- 2016: GREDEG – Groupe de Recherche en Droit, Economie et Gestion, Valbonne, France.
- 2014: Faculty of Business Administration and Economics, University of Bielefeld, Germany.

CONFERENCE ORGANISATION

- 2016: Organizer of the Workshop “*Freewheeling Econometrics: the Econometrics of Complex Evolving Economies*”, INET Young Scholars Initiative and Scuola Superiore Sant’Anna, Pisa, Italy.
- 2015: Organizer of the Workshop “*The Intellectual Legacy of Christopher Freeman: some contemporary challenges for economics, innovation studies, and public policy*”, Scuola Superiore Sant’Anna, Pisa, Italy.
- 2014: Organizer of the Conference “*Debunking Austerity: Towards Alternative Economic Policy Scenarios*”, INET Young Scholars Initiative and Scuola Superiore Sant’Anna, Pisa, Italy.
- 2013: Assistant at the Conference “*Structural Change, Dynamics, and Economic Growth*”, Livorno, Italy.

FURTHER EDUCATION

- 2017: Big Data Finance Winter School and Conference, University of Zurich, Switzerland.
- 2016: Summer School of Mathematics for Economics and Social Sciences “*Stochastic processes and stochastic calculus with application to economics and finance*”, Centro di Ricerca Matematica Ennio De Giorgi – Scuola Normale Superiore, S. Miniato, Italy.
- 2015: CIdE Summer School on Panel Data Econometrics, theory and applications, Bertinoro, Italy.
- 2015: Summer School on Mathematical and Statistical Models of Economic Growth, Hokkaido University, Sapporo, Japan.
- 2015: Summer School on Differential Equations and Differential Geometry, Hokkaido University, Sapporo, Japan.

- 2015: INET Lectures at Trento Festival of Economics, Trento, Italy.
- 2014: Mini-course in Economics and Philosophy of Science, Bielefeld Graduate School of Economics and Management, University of Bielefeld, Germany.
- 2014: INET Lectures at Trento Festival of Economics, Trento, Italy.
- 2014: Mini-course in Asset Pricing with Heterogeneous Beliefs, Institute of Economics, Scuola Superiore Sant'Anna, Italy.
- 2013: Hyman P. Minsky Summer Seminar and Conference, Levy Economics Institute of Bard College, Annandale-on-Hudson, New York, USA.
- 2013: Summer School of Mathematics for Economics and Social Sciences “*Information theory and econophysics*”, Centro di Ricerca Matematica Ennio De Giorgi – Scuola Normale Superiore, S. Miniato, Italy.
- 2013: Mini-course in Quantitative Risk Management, School of Economics and Management, University of Florence, Italy.
- 2012: Summer School of Mathematics for Economics and Social Sciences “*Dynamical systems and bifurcation theory*”, Centro di Ricerca Matematica Ennio De Giorgi – Scuola Normale Superiore, S. Miniato, Italy.

LANGUAGE SKILLS

ITALIAN (reading, listening, speaking, writing): mother-tongue.

ENGLISH (reading, listening, speaking, writing): excellent.

2017: **C2 level**¹ language assessment by Erasmus+ Online Linguistic Support in all subjects (reading, listening, grammar, vocabulary, key communicative phrases).

FRENCH (reading, listening, speaking, writing): fluent.

2008–2009: **A2 level** course attended at C.L.I – Centro Linguistico Interdipartimentale, University of Pisa, Italy.

¹According to CEFR: <https://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr>

I.T. AND COMPUTER SKILLS

2011: ECDL Core (Syllabus 5.0) issued by CISIAU - Centro Interdipartimentale di Servizi Informatici per l'Area Umanistica, University of Pisa, Italy.

Following expertises are ranked according to the Dreyfus model of skill acquisition²:

Programming languages	
C / C++ Python / Anaconda ³ UNIX shell R	Expert
Stata [®] SAS [®] MATLAB [®] / OCTAVE Fortran gnuplot SQL Excel [™] Java [™]	Proficient

Operating systems	
GNU/LINUX	Expert
Windows [™] macOS [™]	Proficient
BSD illumos	Adv. Beginner

Typesetting and productivity	
L ^A T _E X / X _L T _E X P _G F/Tikz	Expert
Office [™] / Libreoffice	Proficient
emacs Code: :Blocks Eclipse	Competent

²The 5-level scheme reads, in improving order: Novice, Advanced Beginner, Competent, Proficient, Expert. See Dreyfus, S. (2004) The Five-Stage Model of Adult Skills Acquisition. *Bulletin of Science Technology & Society* 24 (3), pp. 177–181.

³And several scientific libraries therein, such as sklearn, numpy, scipy, matplotlib, and pandas.

Appendix

Ph.D. in Economics – Attended courses, 2014–2018

Course	Lecturer	Affiliation
Agent-Based Macroeconomics	Andrea Roventini Marco Valente	Scuola Superiore Sant'Anna University of L'Aquila
Business Cycles Stylised Facts	Andrea Roventini	Scuola Superiore Sant'Anna
Causality and Explanation in Economics	Alessio Moneta	Scuola Superiore Sant'Anna
Cliometric Approaches in Economic History	Claude Diebolt	University of Strasbourg
Complex Economics	Alan Kirman	Aix-Marseille University
Consumption and Production	Michele Bernasconi	University of Venice
Dynamic Consumption and Investment	Mauro Napoletano	OFCE–Sciences Po
Dynamic Macroeconomics	Guido Ascari Lorenza Rossi	Oxford University University of Pavia
Econometrics	Giorgio Calzolari	University of Florence
Economic Growth	Maurizio Iacopetta	OFCE–Sciences Po
Economic History	Alessandro Nuvolari	Scuola Superiore Sant'Anna
Economics and Management of Innovation	Giovanni Dosi	Scuola Superiore Sant'Anna
Economics of IPR	Julien Penin	University of Strasbourg
Economics of Networks	Robin Cowan Muge Ozman	University of Strasbourg Télécom Paris Tech
Economics of Science	Patrick Llerena	University of Strasbourg
Evolutionary Growth	Gerald Silverberg	Unu-Merit, Maastricht University
Evolutionary optimization algorithms	Ivan Savin	University of Strasbourg
Experimental Economics	Giuseppe Attanasi	University of Strasbourg
Games and Decisions	Marco LiCalzi	University of Venice
Growth Stylised Facts	Giovanni Dosi	Scuola Superiore Sant'Anna
History of Economic Thought	Alessandro Nuvolari	Scuola Superiore Sant'Anna
Industrial Dynamics	Giulio Bottazzi Federico Tamagni	Scuola Superiore Sant'Anna
Industrial Organisation	Elena Cefis	University of Bergamo
Innovation policy and evaluation of policy impacts	Laurent Bach	University of Strasbourg
International Trade	Luca De Benedictis Lucia Tajoli	University of Macerata Polytechnic University of Milan
Linear Algebra and Calculus	Gennaro Amendola	E-Campus University
Microeconometrics	Oliver Kirchkamp	Friedrich Schiller University, Jena
New theories of the firms	Patrick Llerena	University of Strasbourg
Non-parametric Statistics	Angelo Secchi	Université Paris I Panthéon-Sorbonne
Partial and General Equilibrium	Leonardo Boncinelli	University of Florence
Patents: practical issues	Ylenia Curci	University of Strasbourg
Re-imagining Central Banking	Perry Mehrling	Columbia University
Static and Dynamic Optimisation	Mauro Sodini	University of Pisa
Statistical Methods for Large Complex Data	Francesca Chiaromonte	Scuola Superiore Sant'Anna
Statistics	Edoardo Otranto	University of Messina
Stochastic Processes	Davide Pirino	Scuola Normale Superiore
Theory of Capital	Marco Lippi	Einaudi Institute for Economics and Finance
Time Series Analysis	Umberto Triacca	University of L'Aquila