

# Curriculum Vitæ atque Studiorum\*

JACOPO STACCIOLI, PhD

*last update: May 2019*

## PERSONAL DETAILS

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Born on 6<sup>th</sup> May, 1988 in Pisa, Italy

Citizenship: Italian

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## CURRENT POSITIONS

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*since 2018:* Postdoctoral Researcher at Department of Economic Policy, Università Cattolica del Sacro Cuore, Milan, Italy.

*since 2019:* Research Affiliate at Institute of Economics, Scuola Superiore Sant'Anna, Pisa, Italy.

## PREVIOUS POSITIONS

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2018: Visiting Fellow at Department of Statistics, London School of Economics and Political Science, London, UK.

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

2015: Visiting Fellow at BETA (Bureau d'Économie Théorique et Appliquée), University of Strasbourg, France.

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

## EDUCATION

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2019: Ph.D. in Economics (*summa cum laude*), Scuola Superiore Sant'Anna, Pisa, Italy.

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

Supervisor: Prof. Giovanni Dosi

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

2014: M.Sc. in Economics, University of Pisa and Scuola Superiore Sant'Anna, 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

2011: B.Sc. in Economics, University of Pisa, Italy.  
Final mark: 110/110 *summa cum laude*

## RESEARCH

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**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

Moro, Angelo, Matteo Rinaldini, Jacopo Staccioli, and Maria Enrica Virgillito (2019) 'Control in the era of surveillance capitalism: an empirical investigation of Italian Industry 4.0 factories'. *Journal of Industrial and Business Economics* [forthcoming]

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

*Robots and their knowledge generation: Patenting and firm-level performance*  
(with Fabio Montobbio, Maria Enrica Virgillito, and Marco Vivarelli)

*Trade unions' response to Industry 4.0: from corporatism to old and new dualistic tendencies*  
(with Valeria Cirillo, 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:** *Eurasian Business Review, Financial Innovation, International Journal of Computational Economics and Econometrics*

## **TEACHING**

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since 2017: *Economics of Information* course for doctoral/graduate students at Institute of Economics, Scuola Superiore Sant'Anna, Pisa, Italy.

2011–2014: Teaching Assistant for the *Microeconomics* undergraduate course at Department of Economics and Management, University of Pisa, Italy.

## **CONSULTANCY**

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2019: EU-OSHA Expert meeting on digitalisation and occupational safety and health, Bilbao, Spain.

## **CONFERENCE PRESENTATIONS**

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2019: EAEPE – 31st Annual Conference of the European Association for Evolutionary Political Economy, SGH Warsaw School of Economics, Poland. [forthcoming]

2019: Workshop on Innovation, firm dynamics, employment and growth, University of Greenwich, London, UK. [forthcoming]

2019: EMAEE – European Meeting on Applied Evolutionary Economics, SPRU – University of Sussex, Brighton, UK. [forthcoming]

2019: RENIR Workshop on the impact of automation and artificial intelligence on regional economies, Collegio Carlo Alberto and University of Turin, Italy. [forthcoming]

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 22<sup>nd</sup> International Trade and Finance Association Conference, Pisa, Italy. [not accomplished]

### **SEMINAR PRESENTATIONS**

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- 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**

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- 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.

### **GRANTS AND AWARDS**

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- 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.

## **FURTHER EDUCATION**

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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

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

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

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

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

## I.T. AND COMPUTER SKILLS

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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 acquisition<sup>2</sup>:

Programming languages	
C / C++ Python / Anaconda <sup>3</sup> 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 <sup>A</sup> T <sub>E</sub> X / X <sub>L</sub> T <sub>E</sub> X PGF/Tikz	Expert
Office™ / Libreoffice	Proficient
emacs Code: :Blocks Eclipse	Competent

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

<sup>2</sup>The 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.

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