

# Martina Iori

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## *Curriculum vitae*

### Personal Details

DOB 11th of August, 1989  
Mail [martina.iori@unito.it](mailto:martina.iori@unito.it)  
ORCID 0000-0001-6825-2165

### Current position

Oct. 2019 – **Postdoctoral Research Fellow**, *Institute of Economics & EMbeDS, Sant'Anna School of Advanced Studies, Pisa.*  
ongoing

### Education

Oct. 2015 – **“Vilfredo Pareto” Doctorate in Economics**, *University of Turin and Collegio Carlo Alberto, Turin.*  
Jan. 2019

Dissertation title: *Three Essays on Interdisciplinarity and Novelty in Science and Technology*

May. 2017 – **Visiting PhD student**, *Center for Network Science, Central European University, Budapest.*  
Feb. 2018

Research project: *Interdisciplinarity, novelty, and impact in Physics*

Aug. 2014 – **Master of Arts in Economics and Complexity**, *Collegio Carlo Alberto, Turin.*  
June 2015

Main courses: Economics of Innovation, Network Analysis, Agent-Based Models, Python, Macroeconomics, Microeconomics, Econometric Theory.

Oct. 2011 – **Master Degree in Physics - Theoretical Physics curriculum**, *University of Turin,*  
Oct. 2013 Turin, 110/110 cum Laude and Distinction.

Master Thesis developed at **S.I.S.S.A.** (International School for Advanced Studies) - Statistical Physics group, Trieste.

Title: *Thermodynamic properties of ultracold fermions with spin-orbit coupling*

Oct. 2008 – **Bachelor Degree in Physics**, *Alma Mater Studiorum - University of Bologna,*  
Oct. 2011 Bologna, 110/110 cum Laude.

### Work Experience

Aug. 2019 – **Research Assistant**, *Department of Political Economy, Cattolica University, Milan.*  
Sept. 2019 Research project: *The impact of “Industry 4.0” technologies on occupation*

- Mar. 2019 – **Research Fellow**, *Dept. of Economics and Statistics, University of Turin, Turin.*  
 July 2019 Research project: *Interdisciplinarity and novelty indicators in science: impact and economic growth*
- Jun. 2018 – **Research Assistant**, *Collegio Carlo Alberto, Turin.*  
 Sept. 2018 European Commission Tender: *The analysis of socio-economic drivers of switching behaviours in retail electricity markets*
- Sept. 2015 – **Expert for European Commission**, *Joint Research Center - Institute for Energy and Transport, Energy Security, Systems and Market Unit, Petten (NL).*  
 Dec. 2015 *Retailer Electricity Market Simulator*
- Jan. 2014 – **Intern at Telecom Italia**, *Swarm Lab - Telecom Italia Joint Open Lab, Turin.*  
 July 2014 *Energy Smart Grid, Agent-Based Modeling and Simulation (ABM), Network Analysis*

## Teaching

### Post-graduate courses

- 2019 - 2020 **Coding in Python**, *Master of Arts in Finance, Insurance, and Risk Management, Collegio Carlo Alberto, Turin.*
- 2018 - 2019 **Innovation Lab: Patent and Technology Analysis**, *Master in Data Science for Complex Economic Systems, Collegio Carlo Alberto, Turin.*

### Under-graduate courses

- 2018 - 2019 **Economy of Labour - Teaching Assistant**, *Department of Management, University of Turin, Turin.*
- 2017 - 2020 **Political Economy - Teaching Assistant**, *Department of Management, University of Turin, Turin.*

## Publications

### Refereed Journals

1. M. Fontana, M. Iori, and C. Nava (2019), *Switching behavior and the liberalization of the Italian electricity retail market. Logistic and mixed effect Bayesian estimations of consumer choice*, *Energy Policy*, 129.
2. D. Borra, M. Iori, C. Borean, and F. Fagnani (2015), *A Reputation-based Distributed District Scheduling Algorithm for Smart Grids*, *EAI Endorsed Transactions on Cognitive Communications*, 15(2).

### Book Chapters

3. A. Sciullo, E. Vallino, M. Iori, and M. Fontana (2019), *Paths and processes in complexity electricity markets: the agent based perspective*, In: *Handbook of Energy Economics*.
4. M. Fontana, M. Iori, and C. Nava (2018), *Barrier to switching in retail electricity markets: a regional analysis of the Italian market*, In: *Smart and Sustainable Planning for Cities and Regions, Green energy and Technology*.

### Working Papers

5. M. Fontana, M. Iori, F. Montobbio, and R. Sinatra (2018), *A bridge over troubled water: interdisciplinarity, novelty and impact*, Department of Political Economy, Working Paper no2, Cattolica University. (Under review in *Research Policy*)
6. C. Bottai and M. Iori (2015), *Knowledge Clusters and Multidimensional Proximity: An Agent Based Simulation*, Working Paper 28/2015 Be.Compl.Ex Dipartimento di Economia e Statistica "Cognetti de Martiis", University of Turin.

### Conference proceedings

7. M. Iori and M. Fontana (2019), *Novelty as recombination of knowledge*. ISSI 2019 conference proceedings.

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### Conference Presentations

- 2019 Innovation Information Initiative Technical Meeting (invited), *NBER*, Boston; 2nd Workshop in Economic Complexity, Innovation & Economic Geography, *Utrecht University*, Utrecht; Department of Computer Science seminars (invited), *University of Turin*, Turin; WICK#6, *Collegio Carlo Alberto*, Turin
- 2018 Innovation, Economic Complexity, and Economic Geography Workshop - INET-YSI Summer Workshop, *MIT MediaLab*, Boston; Data Science and Economics, *University of Turin*, Turin; DNDS seminars, Department of Network and Data Science, *Central European University*, Budapest
- 2017 WICK2017, *Collegio Carlo Alberto*, Turin; EAEPE2017, *Corvinus University*, Budapest; Smart and Sustainable Planning for Cities and Regions - SSPCR 2017, *Eurac*, Bolzano
- 2015 KID 2015, Summer School on "Knowledge Dynamics, Industrial Evolution, Economic Development", Nice

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### Conference Organization

- 2019 WICK#6, *Collegio Carlo Alberto*, Turin
- 2017 WICK2017, *Collegio Carlo Alberto*, Turin

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### Awards and Fellowships

#### Fellowships

- 2017 – 2018 **Full tuition waiver** as visiting PhD student, *Department of Network and Data Science (CEU)*
- 2015 – 2018 Three-year Intesa San Paolo Bank PhD **scholarship**, "*Vilfredo Pareto*" *Doctorate in Economics, University of Turin*
- 2014 – 2015 **Full tuition waiver** and **fellowship**, *Master in Economics and Complexity, Collegio Carlo Alberto*
- 2013 Research training **fellowship** for undergraduate students, *S.I.S.S.A. (International School for Advanced Studies)*

### Grants for research

- 2018 Service contract for the analysis of socioeconomic drivers of switching behaviours in retail electricity markets, European Commission tender JRC/PTT/2017/C.3/0052/RC-AMI (P.I.: Magda Fontana). 18.500€
- 2017 – 2018 Short Term Scientific Mission, COSTNET - COST action. 2000€

### Grants for participation in conferences

- 2019 Accommodation and travelling grant, 2nd Workshop in Economic Complexity, Innovation & Economic Geography, *Utrecht University*, Utrecht
- 2018 Accommodation and travelling grant, Workshop in Innovation, Economic Complexity & Economic Geography - INET-YSI Summer Workshop, *MIT MediaLab*, Boston

### Languages

Italian Mother tongue  
English Good

### Computer Skills

- **Operation systems:** Microsoft Windows (good - Full ECDL, 2007), GNU/Linux system (good)
- **Programming languages:** Python (advanced), C/C++ (good), Mathematica (intermediate)
- **Statistical tools:** R (advanced), Stata (intermediate)
- **Markup languages:** Latex (advanced), Markdown (good)
- **Simulation and modeling tools:** Netlogo (good)

In compliance with the GDPR and the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the use of my personal data.

Turin, 31st March 2020