Maria Flora

University of Verona
Department of Economics
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Date of birth: 03/05/1990

Positions

Jan. 2019 – Today — **Post-doctoral Research Fellow** – University of Verona, Department of Economics (Verona, Italy). Quantitative Finance Group.

Apr. 2018 – Jul. 2018
Oct. 2017 – Dec. 2017 — **Visiting Research Scholar** – University of Oxford, Mathematical Institute (Oxford, UK). Computational Finance Group.

Education

Sept. 2015 – Feb. 2019 — **Ph.D. in Economics** – University of Padova, Department of Economics (Padova, Italy). Research area: Quantitative Finance, Energy markets, Environmental Finance.
PhD thesis: *"Essays on Energy Markets"*, Supervisor: Prof. Tiziano Vargiolu (Dept. of Mathematics).
Full scholarship and tuition for the entire degree.

Jan. 2014 – May 2014 — **Exchange Student** – Boston University, Questrom School of Business (Boston, MA, USA). Gpa: 3.85/4.

Oct. 2012 – Jul. 2015 — **M.S. in Economics and Finance** – University of Padova (Padova, Italy). Specialty area: Banking and Finance. grade: 110/110 cum laude
M.S. thesis: *"Analysis of carbon prices with both a Variance-Gamma (VG) model and a Mean-Reverting process and a Real Options Valuation for an alternative energy switch"*, Supervisor: Prof. Michele Moretto.

Sept. 2009 - Oct. 2012 — **B.S. in Economics and Management** – Ca' Foscari University (Venice, Italy). Specialty area: Financial Markets and Intermediaries. grade: 109/110.
B.S. thesis: *"Portfolio optimization with static models – An empirical study on the Italian Stock Exchange"*, Supervisor: Prof. Elio Canestrelli.

Certifications

- GRE score: 328 (Verbal: 164, 94th percentile; Quant: 164, 88th percentile), test date: 19/11/2015
- TOEFL iBT score: 107, test date: 05/12/2015
- EFPA European Financial Advisor certification, test date: 04/12/2014
- Bloomberg Essentials (Equity, FI, FX, Commodity), test date: 03/2015

Grants and Fellowships

- *Giorgio Levi Cases Center for Energy Economics and Technology* grant for participating at the Green Energy Management 2017 Summer School – Astana (Kazakhstan)
- Academic scholarship for study abroad at Boston University, MA (01/2014 - 05/2014), awarded by Università degli studi di Padova
- Academic scholarship to participate in "European Financial Advisor Program" (05/2014 – 11/2014), granted by Banca Fideuram
- Finalist at the CFA Institute Research Challenge 2015 Italy nationals (representing Padova University)

Presentations

Seminars • Brown Bag Seminar, Department of Economics, **University of Verona**. Verona, Italy (February 5, 2019) • Department of Mathematics, **University of Padova**. Padova, Italy (February 28, 2018)

Contributed talks • **ICIAM 2019** – Stochastic models for power markets Minisymposium. Valencia, Spain (July, 2019) • **SIAM FM19** – New challenges and mathematical models in energy and commodity markets Minisymposium. Toronto, Canada (June, 2019) • **EURO18** – 29th European Conference on Operational Research. Valencia, Spain (July, 2018) • **CEM** – Commodity and Energy Markets Annual Meeting 2018. Rome, Italy (June, 2018) • **EFI3** – Energy Finance Italia III. Pescara, Italy (February, 2018) • **AMASES** meeting. Cagliari, Italy (September, 2017)

Invited talks • **BOMOPAV** workshop. Padova, Italy (April, 2018) • **Stochastics and Optimization in Energy**, King's College London. London, UK (March, 2018) • **EFC17** – Energy Finance Christmas 2017 meeting. Krakow, Poland (December, 2017)

Awards

2018 Winner of the CEMA General Prize Best Paper Award at the Commodity and Energy Markets Association Annual Meeting 2018

Papers in peer-reviewed journals

2020 – Flora, M. and Vargiolu, T., (2020). "*Price dynamics in the European Union Emissions Trading System and evaluation of its ability to boost emission-related investment decisions*". European Journal of Operational Research, 280 (1), 383–394.

Ongoing works

– Flora, M. and Renò, R., "*The Italian debt not-so-flash crash*"
– Flora, M., Vargiolu, T., Fontini, F. and Andreis, L., "*Capacity markets and the pricing of reliability options*". (Energy Economics. Revision submitted)
– Flora, M., Cartea, Á., Vargiolu, T. and Slavov, G., "*Optimal cross-border electricity trading*"

Referee service

European Journal of Operational Research

Contacts for references

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