

# Maria FLORA, Ph.D.

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CREST - ENSAE, Institut Polytechnique de Paris  
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Date of birth: 03/05/1990

## POSITIONS

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Jan. 2021 - Today	<b>Post-doctoral Researcher</b> – CREST (Center for Research in Economics and Statistics), ENSAE Paris & École Polytechnique (Palaiseau, France).
Apr 2021 - May 2021	<b>Fellow</b> – Collegio Carlo Alberto (Torino, Italy).
Jan. 2019 – Jan. 2021	<b>Post-doctoral Research Fellow</b> – University of Verona, Department of Economics (Verona, Italy). Quantitative Finance Group.
Apr 2018 – Jul 2018	<b>Visiting Research Scholar</b> – University of Oxford, Mathematical Institute (Oxford, UK). Computational Finance Group.
Oct 2017 – Dec 2017	<b>Visiting Research Scholar</b> – University of Oxford, Mathematical Institute (Oxford, UK). Computational Finance Group.

## EDUCATION

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Sep 2015 – Feb 2019	<b>Ph.D. in Economics</b> – University of Padova, Department of Economics (Padova, Italy). RESEARCH AREA: Quantitative Finance, Energy markets, Environmental Finance. PhD thesis: “ <i>Essays on Energy Markets</i> ”, Supervisor: Prof. Tiziano Vargiolu (Dept. of Mathematics). Full scholarship and tuition for the entire degree.
Jan 2014 – May 2014	<b>Exchange Student</b> – Boston University, Questrom School of Business (Boston, MA, USA). GPA: 3.85/4.
Oct 2012 – Jul 2015	<b>M.S. in Economics and Finance</b> – University of Padova (Padova, Italy). SPECIALTY AREA: Banking and Finance. GRADE: 110/110 cum laude M.S. thesis: “ <i>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</i> ”, Supervisor: Prof. Michele Moretto.
Sept 2009 - Oct 2012	<b>B.S. in Economics and Management</b> – Ca’ Foscari University (Venice, Italy). SPECIALTY AREA: Financial Markets and Intermediaries. GRADE: 109/110. B.S. thesis: “ <i>Portfolio optimization with static models – An empirical study on the Italian Stock Exchange</i> ”, Supervisor: Prof. Elio Canestrelli.

## CERTIFICATIONS

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- 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

## TEACHING

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- Course *Modelli di Asset Pricing* (12 hours), M.Sc. *Banca e Finanza*, AA 2019/20, Università di Verona
- Assistance (*Attività didattica integrativa*) to the course *Matematica Finanziaria*, AA 2019/20, Università di Verona
- Member of the final dissertation board, Bachelor Degree in *Economia e Commercio*, Università di Verona, AA 2019/20

## GRANTS AND FELLOWSHIPS

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- *Progetto Ricerca di Base 2019*, University of Verona. PI: Roberto Renò. Grant: 37,335.58 €
- Long-Term Investors@UniTo Junior Fellowship, Collegio Carlo Alberto and University of Torino. Grant: 6,000 €
- *University Internationalisation Programme 2019* grant, Action 4 – COOPERINT – Category C. Grant: 4,000 €
- *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

<b>Seminars</b>	• Brown Bag Seminar, Department of Economics, <b>University of Verona</b> . Verona, Italy (February 5, 2019) • Department of Mathematics, <b>University of Padova</b> . Padova, Italy (February 28, 2018)
<b>Contributed talks</b>	• <b>QFW 2020</b> – XXI Workshop on Quantitative Finance. Napoli, Italy (January, 2020) • <b>ICIAM 2019</b> – Stochastic models for power markets Minisymposium. Valencia, Spain (July, 2019) • <b>SIAM FM19</b> – New challenges and mathematical models in energy and commodity markets Minisymposium. Toronto, Canada (June, 2019) • <b>EURO18</b> – 29th European Conference on Operational Research. Valencia, Spain (July, 2018) • <b>CEM</b> – Commodity and Energy Markets Annual Meeting 2018. Rome, Italy (June, 2018) • <b>EFI3</b> – Energy Finance Italia III. Pescara, Italy (February, 2018) • <b>AMASES</b> meeting. Cagliari, Italy (September, 2017)
<b>Invited talks</b>	• 44 <sup>th</sup> <b>AMASES</b> Annual Meeting. Padova, Italy (September, 2020) • <b>BOMOPAV</b> workshop. Padova, Italy (April, 2018) • <b>Stochastics and Optimization in Energy</b> , King's College London. London, UK (March, 2018) • <b>EFC17</b> – Energy Finance Christmas 2017 meeting. Krakow, Poland (December, 2017)

## AWARDS

2020	Best paper award at the 44 <sup>th</sup> AMASES Annual Meeting
2018	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”. <b>European Journal of Operational Research</b> , 280 (1), 383–394.
2020	– Flora, M., Fontini, F., Vargiolu, T., and Andreis, L., (2020). “Pricing Reliability Options under different electricity price regimes”. <b>Energy Economics</b> , 87, 104705.

## ONGOING WORKS

- Flora, M. and Renò, R., “V-shapes”
- Flora, M., Cartea, Á., Vargiolu, T. and Slavov, G., “Optimal cross-border electricity trading”

## REFeree SERVICE

Journal of Financial Econometrics, European Journal of Operational Research, Applied Mathematical Finance, The Energy Journal, Quantitative Finance, Journal of Commodity Markets, Carbon Management, Decisions in Economics and Finance

## CONTACTS FOR REFERENCES

Álvaro Cartea University of Oxford <a href="mailto:alvaro.cartea@maths.ox.ac.uk">alvaro.cartea@maths.ox.ac.uk</a>	Roberto Renò University of Verona <a href="mailto:roberto.reno@univr.it">roberto.reno@univr.it</a>	Tiziano Vargiolu University of Padova <a href="mailto:vargiolu@math.unipd.it">vargiolu@math.unipd.it</a>
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