

MARTIAL TONIOTTI

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RESEARCH FIELDS

Applied Econometrics, Energy Economics, Macroeconomics

DOCTORAL STUDIES

- **UCLouvain, PhD** December 2021 - Present
Title: *Investments in renewable energy sources using portfolio optimization* Supervisor: Bert Willems
- **Pontificia Universidad Católica de Chile** Spring 2025
Visiting Student Researcher Sponsor: Ernesto San Martín
- **National Bank of Belgium** Fall 2025
Young Researcher Internship

PREDOCTORAL STUDIES

- **UCLouvain**, Master in Economics, Econometrics Focus *Suma Cum Laude* 2019-2021
- **UNamur**, Bachelor in Business engineering *Cum Laude* 2016-2019

PUBLICATIONS

2024 *Que rapporterait une taxe sur le patrimoine en Belgique ?*
How much revenue would a wealth tax generate in Belgium?
Regards Economiques, 184 ([french](#))

WORK IN PROGRESS

Designing portfolio auctions for renewable energy procurement

What drives electricity price shocks ? an SVAR analysis

Efficient dynamic procurement of balancing energy using a LASSO forecasting model (with *Jacques Cartuyvels*)

TALKS

- 2025 Benelux Association of Energy Economics Phd Workshops in Energy Systems (**UCLouvain**)
SPF Finances / FOD Financiën library conferences (**Belgian Federal Finance Ministry**)
PUC Chile Statistics Seminars (**Pontificia Universidad Católica de Chile**)
- 2024 European Doctoral Program in Quantitative Economics Jamboree (**Universitat Pompeu Fabra**)
Young Energy Economists and Engineers Seminar (**KULeuven**)
- 2023 Spring Doctoral Workshop (**UCLouvain**)

TEACHING EXPERIENCE

- Graduate TA Advanced Econometrics I (15 hours per year) (2021-2025)
Applied Econometrics: Time-Series (30 hours per year) (2021-2025)
Advanced Microeconomics II : Game Theory and Mechanism Design (30 hours per year)(2021-2023)
- Undergraduate TA Industrial Organization (120 hours per year) (2021-2024)
Economic Policy (120 hours per year) (*French*, 2021-2025)
- Tutoring Microeconomics (*French*, 2018)

MISCELLANEOUS

- Languages* French (mother tongue), English (C1), Dutch (B2), Spanish (A2)
- Institutional commitment* Vice-president of the Scientific Staff (PhD student association) (2022-2023), **UCLouvain**