

Quentin L t 

  CORE B.105 - Louvain Institute of Data Analysis and Modeling - UCLouvain
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  <https://qlete.github.io>

CURRENT POSITION	<i>Assitant Professor</i> Louvain Institute of Data Analysis and Modeling UCLouvain , Louvain-la-Neuve, Belgium	Sep. 2024 - Present
ACADEMIC EXPERIENCE	<i>Postdoctoral Researcher</i> Power Systems Laboratory ETH Z�rich , Z�rich, Switzerland	Nov. 2022 - Aug. 2024
	<i>Research Intern</i> Computational Engineering Division Lawrence Livermore National Laboratory , Livermore, CA, USA	Aug. 2019 - Nov. 2019
	<i>Visiting Student</i> Operations Research Center Massachusetts Institute of Technology , Cambridge, MA, USA	July 2017 - Aug. 2017
EDUCATION	Ph.D. in Operations Research Universit� catholique de Louvain , Louvain-la-Neuve, Belgium <i>Dissertation: Models and Algorithms for Quantifying and Mitigating the Inefficiency of Zonal Pricing: Short and Long-Term Measures</i>	Oct. 2022
	M.S. in Mathematical Engineering Universit� catholique de Louvain , Louvain-la-Neuve, Belgium <i>Thesis: Optimal planning of robust DSO grid</i>	June 2018
	B.S. in Engineering Sciences Universit� catholique de Louvain , Louvain-la-Neuve, Belgium	June 2016
GRANTS	PGMO IROE project 2025 Budget: 8.000� <i>Title: A new optimization suite for large-scale market equilibrium</i>	
	FSR Seedfund 2024 Budget: 91.000� <i>Title: Demand response mechanisms based on price information</i>	
	FNRS Research Fellowship (2019-2023) <i>Title: Models and Algorithms for the Active Management of the European Electricity Grid</i> Fully funded 4-year PhD fellowship	

SELECTED AWARDS & HONORS

Best Publication Award in Energy (runner-up)	2021
Section on Energy, Natural Resources, and the Environment, INFORMS	
Outstanding Reviewer	2021
IEEE Transactions on Power Systems	
Lhoist Berghmans Scholarship	2017
Merit-based scholarship for summer visit at MIT	
Awarded by the International Lhoist Berghmans Innovation Chair	
De Bremaecker-Stockhem Scholarship	2014
Merit-based scholarship for summer English programme	
at the Horner School of English, Dublin	

JOURNAL PUBLICATIONS

Peer-Review Journal Articles:

1. **Q. L t , Y. Smeers, A. Papavasiliou**, “Power Generation Investment under Zonal Electricity Pricing with Market-Based Re-dispatch”, *The Energy Journal*, 2025.
2. **Q. L t , Y. Smeers, A. Papavasiliou**, “An analysis of zonal electricity pricing from a long-term perspective”, *Energy Economics*, 2022.
3. I. Aravena, **Q. L t , A. Papavasiliou, Y. Smeers**, “Transmission Capacity Allocation in Zonal Electricity Markets”, *Operations Research*, 2021.
4. **Q. L t , A. Papavasiliou**, “Impacts of Transmission Switching in Zonal Electricity Markets - Part I”, *IEEE Transactions on Power Systems*, 2021.
5. **Q. L t , A. Papavasiliou**, “Impacts of Transmission Switching in Zonal Electricity Markets - Part II”, *IEEE Transactions on Power Systems*, 2021.

ADVISING & MENTORING

UCLouvain PhD Students:

Antoine Springael, PhD Advisor Spet. 2025 - present
Topic: Flexibility integration through flexible grid connections

Gilles Ooms, PhD Advisor Spet. 2025 - present
Topic: Decision Support Algorithms for Optimal Aggregation and Participation in Local Flexibility Markets

ETH Z rich Graduate Students:

Olivier Jungo, Master Thesis Supervisor March 2025 - August 2025
Topic: Comparison of Walrasian Mechanisms in Nonconvex Electricity Auctions

Gabriel Ellemund, Master Thesis Supervisor August 2024 - January 2025
Topic: Bidding of Aggregated Flexibility into European Electricity Auction

Tim Engelmann, Master Thesis Supervisor May 2024 - October 2024
Topic: Stochastic Price Hedging for the Energy Transition: Exploring Alternatives

to Baseload Futures

Awarded the ETH Medal for best master thesis

Joel Hübscher, Master Thesis Supervisor

June 2023 - Jan. 2024

Topic: Trading Benchmarking of Utility Scale BESS in the UK Market