

# Quentin L   

  CORE B.105 - Louvain Institute of Data Analysis and Modeling - UCLouvain  
Voie du Roman Pays 34, BE-1348 Louvain-la-Neuve, Belgium  
  [quentin.lete@uclouvain.be](mailto:quentin.lete@uclouvain.be)  
  <https://qlete.github.io>

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

## SELECTED AWARDS & HONORS

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

## 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 H  bscher**, Master Thesis Supervisor

June 2023 - Jan. 2024

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