

ARKADIUSZ LIPIECKI

arkadiusz.lipiecki@pwr.edu.pl

EDUCATION

Wrocław University of Science and Technology <i>Doctoral School</i> Management and Quality Studies, Faculty of Management	since 2023
Wrocław University of Science and Technology <i>Master of Science</i> Big Data Analytics (Physics track), Faculty of Fundamental Problems of Technology	2022 - 2023
Wrocław University of Science and Technology <i>Bachelor of Science</i> Quantum Engineering, Faculty of Fundamental Problems of Technology	2018 - 2022

PUBLICATIONS

When heterogeneity drives hysteresis: Anticonformity in the multistate q-voter model on networks Physical Review E 112, 054316 ↗	Nov 2025
PostForecasts.jl: A Julia package for probabilistic forecasting by postprocessing point predictions SoftwareX 31, 102200 ↗	May 2025
Depolarizing power of anticonformity Expert Systems with Applications 285, 127879 ↗	May 2025
Postprocessing of point predictions for probabilistic forecasting of day-ahead electricity prices: The benefits of using isotonic distributional regression Energy Economics 139, 107934 ↗	Nov 2024
Strategic Promotional Campaigns for Sustainable Behaviors: Maximizing Influence in Competitive Complex Contagions Computational Science – ICCS 2024. Lecture Notes in Computer Science, vol 14834. ↗	Jun 2024
Polarization in the three-state q-voter model with anticonformity and bounded confidence Chaos, Solitons & Fractals 165(1) 112809 ↗	Oct 2022
Consensus, Polarization and Hysteresis in the Three-State Noisy q-Voter Model with Bounded Confidence Entropy 24(7) 983 ↗	Jul 2022
Discontinuous phase transitions in the q-voter model with generalized anticonformity on random graphs Scientific Reports 11, 17719 ↗	Sep 2021

CONFERENCE CONTRIBUTIONS

Contributed talk at Energy Finance Italia 11 <i>Stealing Accuracy: Predicting Day-ahead Electricity Prices with Temporal Hierarchy Forecasting</i> Padova, Italy	Feb 2026
---	----------

Contributed talk at International Ruhr Energy Conference 2025 <i>Forecasting day-ahead electricity prices with temporal hierarchies</i> Essen, Germany	Aug 2025
Poster at International Conference on Computational Social Science 2025 <i>Depolarizing Power of Anticonformity</i> Norrköping, Sweden	Jul 2025
Contributed talk at Quantitative Methods in Finance 2024 <i>From Point Predictions to Probabilistic Forecasts: A New Open-source Toolbox in Julia for Postprocessing Forecasts</i> Sydney, Australia	Dec 2024
Contributed talk at the Conference on Complex Systems 2024 <i>Polarization and consensus in three-state opinion dynamics with anticonformity</i> Exeter, United Kingdom	Sep 2024
Contributed talk at the International Ruhr Energy Conference 2024 <i>Probabilistic forecasting of day-ahead electricity prices: Postprocessing of point predictions with Isotonic Distributional Regression</i> Essen, Germany	Aug 2024
Contributed talk at the International Conference of Computational Science 2024 <i>Strategic Promotional Campaigns for Sustainable Behaviors: Maximizing Influence in Competitive Complex Contagions</i> Malaga, Spain	Jul 2024
Contributed talk at the 44th International Symposium on Forecasting <i>Probabilistic forecasting of electricity prices with isotonic distributional regression</i> Dijon, France	Jul 2024
Contributed talk at the International Conference of Computational Finance 2024 <i>Probabilistic forecasting of electricity prices with isotonic regressions (best talk award)</i> Amsterdam, Netherlands	Apr 2024
Lightning talk at the Conference on Complex Systems <i>Discontinuous phase transitions in the generalized q-voter model on random graphs</i> Palma de Mallorca, Spain	Oct 2022
Contributed talk at the Symposium for Young Scientists <i>Opinion polarization in the q-voter model with bounded confidence (best talk award)</i> Warsaw, Poland	Sep 2022
Poster at the 11th Polish Symposium on Physics in Economy and Social Sciences ↗ <i>Discontinuous phase transitions in the generalized q-voter model on random graphs</i> Kraków, Poland	Jul 2021
Contributed talk at Networks 2021 conference Satellite session Democracy out of the balance <i>Discontinuous phase transitions in the generalized q-voter model on random graphs</i>	Jun 2021

RESEARCH

Investigator in a research grant on probabilistic electricity price forecasting
Wrocław University of Science and Technology since Jul 2025

Investigator in the Polish National Science Centre OPUS LAP research grant "Probabilistic mid- and long-term price forecasting in electricity markets (PRIORITY)" at the Department of Operational Research and Business Intelligence.

Visiting Researcher at Saïd Business School, University of Oxford

Oxford, United Kingdom

May 2025

One-month research visit at Saïd Business School, University of Oxford. The aim of the visit was to collaborate with Professor James Taylor on forecasting risk measures in electricity markets.

Investigator in a research grant on collective adaptation and anticonformity

Wrocław University of Science and Technology

Sep 2024 - Feb 2025

Investigator in the Polish National Science Centre OPUS LAP research grant "The role on anticonformity in social collective adaptation" at the Department of Computational Social Science.

Investigator in a research grant on electricity price forecasting

Wrocław University of Science and Technology

Oct 2023 - Jul 2025

Investigator in the Polish National Science Centre MAESTRO research grant "Crossing Frontiers in electricity price forecasting (CrossFIT)" at the Department of Operational Research and Business Intelligence.

Investigator in a research grant on social hysteresis

Wrocław University of Science and Technology

Feb 2021 - Sep 2024

Investigator in the Polish National Science Centre OPUS research grant "Towards understanding of the social hysteresis: an agent-based approach" at the Department of Management Systems and Organizational Development.

HONORS

BNY Mellon Award

1st place in BNY Mellon Master Thesis Competition in Applied Mathematics

2024

Two-time recipient of the Scholarship of the Minister of Education of Science

Granted in two consecutive years for outstanding scientific achievements.

2022 - 23