

Grzegorz Lisowski

Employment

2023-2025 **Postdoctoral Researcher**

University of Groningen, Horizon Europe grant ‘Participatory Democracy that Scales’

2023-2025 **Postdoctoral Researcher**

AGH University, ERC Grant ‘Pragmatics of Multiwinner Voting: Algorithms and Preference Data Analysis’

Education

2018-2023 **PhD in Computer Science**, *Department of Computer Science, University of Warwick*

Title: ‘An Algorithmic Analysis of Deliberation and Representation in Collective Behaviour’,

Supervisor: Paolo Turrini

2016-2018 **MSc in Logic (cum laude)**, *Institute for Logic, Language and Computation, University of Amsterdam*

Title: ‘Preventing Manipulation in Aggregating Value-Based Argumentation Frameworks’

Supervisors: Sylvie Doutre, Umberto Grandi, Sonja Smets

2013-2016 **BSc in Cognitive Science**

Institute of Philosophy, University of Warsaw

2012-2015 **BA in Philosophy**

Institute of Philosophy, University of Warsaw

Publications

2026 **Project Submission Games in Participatory Budgeting**, Piotr Faliszewski, Łukasz Janeczko, Andrzej Kaczmarczyk, Grzegorz Lisowski, Grzegorz Pierczyński, AAMAS-2026

2026 **Identifying Imperfect Clones in Elections**, Piotr Faliszewski, Łukasz Janeczko, Grzegorz Lisowski, Kristýna Pekárková, Ildikó Schlotter, AAI-2026

2026 **Computing Equilibrium Nominations in Presidential Elections**, Piotr Faliszewski, Stanisław Kaźmierowski, Grzegorz Lisowski, Ildikó Schlotter, Paolo Turrini, AAI-2026

2025 **Strategic Cost Selection in Participatory Budgeting**, Piotr Faliszewski, Łukasz Janeczko, Andrzej Kaczmarczyk, Grzegorz Lisowski, Piotr Skowron, Stanisław Szufa, Mateusz Szwagierczak, NeurIPS-2025

2025 **Neighborhood Stability in Assignments on Graphs**, Haris Aziz, Grzegorz Lisowski, Mashbat Suzuki, Jeremy Vollen, WINE-2025, Also extended abstract at AAMAS-2025

2025 **Stability in Newcomers’ Housing: A Story about Anonymous Preferences and Beyond**, Grzegorz Lisowski, Šimon Schierreich, EUMAS-2025

📄 2025 **A Complexity-Theoretic Analysis of Majority Illusion in Social Networks**, Umberto Grandi, Lawqueen Kanesh, Grzegorz Lisowski, M.S. Ramanujan, Paolo Turrini, *Journal of Artificial Intelligence Research*

📄 2025 **The Cost Perspective of Liquid Democracy: Feasibility and Control**, Shiri Alouf-Heffetz, Łukasz Janeczko, Grzegorz Lisowski, Georgios Papasotiropoulos, *Proceedings of AAI Conference on Artificial Intelligence (AAI-2025)*

📄 2024 **Strategic Cost Selection in Participatory Budgeting**, Piotr Faliszewski, Łukasz Janeczko, Andrzej Kaczmarczyk, Grzegorz Lisowski, Piotr Skowron, Stanisław Szufa, *Proceedings of Autonomous Agents and Multi-Agent Systems (AAMAS-2024, extended abstract)*

- 📄 2024 **Discovering Consistent Subelections**, *Lukasz Janeczko, Jérôme Lang, Grzegorz Lisowski, Stanislaw Szufa, Proceedings of Autonomous Agents and Multi-Agent Systems (AAMAS-2024)*
- 📄 2024 **The Team Order Problem: Maximizing the Probability of Matching Being Large Enough**, *Haris Aziz, Jiarui Gan, Grzegorz Lisowski, Ali Pourmiri, Proceedings of International Symposium on Algorithmic Game Theory (SAGT-2024)*
- 📄 2024 **Guide to Numerical Experiments on Elections in Computational Social Choice**, *Niclas Boehmer, Piotr Faliszewski, Lukasz Janeczko, Andrzej Kaczmarczyk, Grzegorz Lisowski, Grzegorz Pierczyński, Simon Rey, Dariusz Stolicki, Stanislaw Szufa, Tomasz Was, Proceedings of the Thirty-Third International Joint Conference on Artificial Intelligence (IJCAI-24) Survey Track*
- 📄 2023 **Identifying and Eliminating Majority Illusion in Social Networks**, *Umberto Grandi, Lawqueen Kanesh, Grzegorz Lisowski, M.S. Ramanujan, Paolo Turrini, Proceedings of AAAI Conference on Artificial Intelligence (AAAI-2023)*
- 📄 2022 **Strategic Nominee Selection in Tournament Solutions**, *Grzegorz Lisowski, Proceedings of the European Conference on Multi-Agent Systems (EUMAS-2022)*
- 📄 2022 **Equilibrium Computation For Knockout Tournaments Played By Groups**, *Grzegorz Lisowski, M.S. Ramanujan, Paolo Turrini, Proceedings of Autonomous Agents and Multi-Agent Systems (AAMAS-2022)*
- 📄 2021 **A Hotelling-Downs Framework for Party Nominees**, *Paul Harrenstein, Grzegorz Lisowski, M.S. Ramanujan, Paolo Turrini, Proceedings of Autonomous Agents and Multi-Agent Systems (AAMAS-2021)*
- 📄 2020 **Convergence of Opinion Diffusion is PSPACE-Complete**, *Dmitry Chistikov, Grzegorz Lisowski, Mike Paterson, Paolo Turrini, Proceedings of AAAI Conference on Artificial Intelligence (AAAI-2020)*
- 📄 2019 **Aggregation in Value-Based Argumentation**, *Grzegorz Lisowski, Sylvie Doutre, Umberto Grandi, Proceedings of Theoretical Aspects of Rationality and Knowledge (TARK-2019)*
- 📄 2019 **Social Choice and the Problem of Recommending Essential Readings**, *Silvan Hungerbuhler, Haukur Pall Johnsson, Grzegorz Lisowski, Max Rapp in At the Intersection of Language, Logic, and Information, J. Sikos and E. Pacuit (Eds.), Lecture Notes in Computer Science 11667, Springer*
- 📄 2018 **Preventing Manipulation in Aggregating Audiences in Value-Based Argumentation Frameworks**, *Grzegorz Lisowski, Sylvie Doutre, Umberto Grandi, Proceedings of Workshop on Systems and Algorithms for Formal Argumentation (SAFA@COMMA)*

Selected research talks

- 2024 **17th Meeting of the Society for Social Choice and Welfare**, *Strategic Cost Selection in Participatory Budgeting, Paris School of Economics*
- 2023 **Warsaw Workshop of Social Choice**, *Strategic Selection of Players. in Tournaments Played by Groups, IDEAS NCBR*
- 2023 **COMSOC-2023**, *Identifying and Eliminating Majority Illusion in Social Networks, Ben-Gurion University*
- 2019 **PhDs in Logic**, *Nominating Representatives in Single-Elimination Tournaments, University of Bern*
- 2018 **ESSLLI Student Session**, *Explainability of Irrational Argument Labelings, Sofia University*
- 2017 **Logic in the Wild**, *Is the triviality of AGM a serious possibility?, Ghent University*

- 2016 **Experimental Philosophy as Applied Philosophy**, (With Konrad Wisniewski) *Safety Condition on Knowledge - Experimental Study, Reading*

Distinctions

- 2025 **Distinguished Programme Committee Member**, AAMAS-2025
- 2013 - 2016 **Rector's Scholarship for Best Students**, Award granted by Rector of University of Warsaw annually to 5% of best students in each year, based on academic merit

Internships and Research Visits

- 2025 **Research visit at University of Chicago**, Host: Haifeng Xu
- 2023 **Research visit at Penn State University**, Host: Hadi Hosseini
- 2023 **Research visit at University Paris Dauphine**, Host: Jerome Lang
- 2023 **Research visit at National University of Singapore**, Host: Warut Suksompong
- 2022 **Research visit at University of New South Wales**, Host: Haris Aziz
- 2018 **Internship at the University of Toulouse**, Supervisors: Sylvie Doutre and Umberto Grandi
- 2017 **Internship at the Department of Philosophy, University of Copenhagen**, Supervisor: Klemens Kappel
- 2016 **Internship at the Faculty of Psychology, University of Warsaw**, Research assistant in the "Intelligence, Cognition, Emotions Lab", supervisor: Marcin Zajenkowski

Teaching Experience

- 2025 **Computational Social Choice**, Lecturer, University of Groningen
- 2020-2021 **Formal Languages**, Lecturer: Ramanujan Sridharan, University of Warwick
- 2018-2021 **Game Theory**, Teaching Assistant, University of Warwick
- 2018 **Agent-Based Systems**, Teaching Assistant, University of Warwick
- 2018 **Artificial Intelligence**, Teaching Assistant, University of Warwick

Professional Service

- 2022-Present **Reviewer for Journals and Conferences**, AIJ, JLC, JAAMAS, IJCAI, AAAI, AAMAS, TARK