Curriculum Vitae

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Personal Information

Name:	Matthias Greger
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Education and Positions

Since 08/2026	**Postdoctoral researcher (University of Oxford)** Department of Computer Science Supervisor: Assoc. Prof. Dr. Markus Brill
06/2025 – 07/2025	**Postdoctoral researcher (Université Paris Dauphine – PSL)** LAMSADE Supervisor: Dominik Peters, PhD
05/2025	**Research visit (Université Paris Dauphine – PSL)** Host: Dominik Peters, PhD
03/2021 – 04/2025	**PhD, Mathematics (TUM)** *(summa cum laude)* Thesis Title: "Collective Choice from the Probability Simplex with Application to Donor Coordination" Committee Members: Prof. Dr. Felix Brandt, Prof. Dr. Hervé Moulin, Assoc. Prof. Nisarg Shah, PhD **Graduate student and research assistant (TUM)** Chair of Decision Sciences & Systems Supervisor: Prof. Dr. Felix Brandt
10/2018 – 11/2020	**Master of Science, Mathematics (TUM)** Major: Mathematical Finance & Actuarial Science Thesis Title: "Discrete Donor Coordination"
10/2015 – 09/2018	**Bachelor of Science, Mathematics (TUM)** Major: Mathematics Thesis Title: "Generalization Bounds from Test and Validation Error"

Teaching

2021, 2023, 2024	**Course "Algorithmic Game Theory"** Role: teaching assistant
2021, 2022, 2023, 2024	**Seminar "Markets, Algorithms, Incentives, and Networks"** Role: organizer
2021–	**Student supervision** 7 master's theses, 2 bachelor's theses, 2 guided research projects

Refereeing

Journals	ACM Transactions on Economics and Computation, Artificial Intelligence, Economic Theory, Games and Economic Behavior, Journal of Artificial Intelligence Research, Journal of Combinatorial Optimization, Review of Economic Design, Social Choice and Welfare, Theory and Decision
Conferences	AAAI (2023), AAMAS (2022, 2024, PC 2026, PC 2027), ACM EC (2024, PC 2025, PC 2026), CIAC (2025), COMSOC (2023, 2025), IJCAI (2023, 2024), ITCS (2026), GAIW (2025), SAGT (2024), WINE (2023), Workshop on New Directions in Social Choice at EC (PC 2024, PC 2026)

Awards/Scholarships

12/2015 – 11/2020	Scholarship from the German Academic Scholarship Foundation ("Studienstiftung des deutschen Volkes")
WINE 2021	Best Student Paper Award
AAMAS 2026	Best Student Paper Award Runner-up
DFG	Walter Benjamin Fellowship from the German Research Foundation ("Deutsche Forschungsgemeinschaft" (DFG))

Selected Talks

12/2021	**"Funding Public Projects: A Case for the Nash Product Rule"** Conference Talk at *WINE 2021*
07/2023	**"Balanced Donor Coordination"** Conference Talk at *EC 2023*
02/2024	**"Dynamics for Aggregating Cardinal Preferences"** Invited Talk at *The Second Vienna-Graz Workshop on (Computational) Social Choice*
07/2024	**"Optimal Budget Aggregation with Single-Peaked Preferences"** Conference Talk at *EC 2024*
02/2025	**"Optimal Budget Aggregation with Star-Shaped Preferences"** Invited Talk at the COMSOC Video Seminar
07/2025	**"Two Perspectives on Donor Coordination"** Invited Talk at the Oxford AGT-Seminar

Publications and Working Papers

Publications

1. P. Becker, A. Fries, M. Greger, E. Segal-Halevi. **Efficiently computing equilibria in budget-aggregation games**. In *Proceedings of the 25th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 2026. Forthcoming.

2. F. Brandt, M. Greger, E. Segal-Halevi, and W. Suksompong. **Optimal budget aggregation with star-shaped preference domains**. *Mathematics of Operations Research*, 2026. Forthcoming.

3. E. Elkind, M. Greger, P. Lederer, W. Suksompong, and N. Teh. **Settling the score: Portioning with cardinal preferences**. Artificial Intelligence, 352:104487, 2026.

4. F. Brandt, M. Greger, E. Segal-Halevi, and W. Suksompong. **Coordinating charitable donations**. 2024. Working paper. *Journal of Economic Theory*, 230:106096, 2025.

5. M. Greger. **Collective choice from the probability simplex with application to donor coordination**. *PhD thesis*, Technische Universität München, 2024.

6. F. Brandt, M. Greger, E. Segal-Halevi, and W. Suksompong. **Optimal budget aggregation with single-peaked preferences**. In *Proceedings of the 25th ACM Conference on Economics and Computation (ACM-EC)*, page 49, 2024.

7. F. Brandt, M. Greger, E. Segal-Halevi, and W. Suksompong. **Balanced donor coordination**. In *Proceedings of the 24th ACM Conference on Economics and Computation (ACM-EC)*, page 299, 2023.

8. F. Brandl, F. Brandt, M. Greger, D. Peters, C. Stricker, and W. Suksompong. **Funding public projects: A case for the Nash product rule**. *Journal of Mathematical Economics*, 99:102585, 2022.

9. F. Brandl, F. Brandt, M. Greger, D. Peters, C. Stricker, and W. Suksompong. **Funding public projects: A case for the Nash product rule**. In *Proceedings of the 17th International Conference on Web and Internet Economics (WINE)*, 2021.

Working Papers

1. P. Becker, M. Greger, D. Peters. **Existence of the core in approval-based committee elections**. 2026. Working paper.

2. X. Bei, F. Brandt, M. Greger, J. Peters, E. Segal-Halevi, W. Suksompong. **Individual fairness in budget aggregation**. 2026. Working paper.

3. P. Becker, M. Greger, D. Peters. **Core existence in approval-based committee elections with up to seven voter types**. 2026. Working paper.

4. F. Brandt, M. Greger, R. Romen. **Localized social choice and dictatorships**. 2026. Working paper.