Curriculum Vitae

Personal Information

Name:	Matthias Greger
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Education and Positions

Since 06/2025	**Postdoctoral researcher (Université Paris Dauphine – PSL)** LAMSADE
05/2025	Supervisor: Dominik Peters
03/2021 – 04/2025	**PhD, Mathematics (TUM)** *(summa cum laude)* Thesis Title: "Collective Choice from the Probability Simplex with Application to Donor Coordination" **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–	**Course "Algorithmic Game Theory"** Role: teaching assistant
2021–	**Seminar "Markets, Algorithms, Incentives, and Networks"** Role: organizer
2021–	**Student supervision** 7 master's theses, 2 bachelor's theses, 1 guided research project

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, Social Choice and Welfare

Conferences	AAAI, AAMAS, ACM EC, CIAC, COMSOC, IJCAI, GAIW, SAGT, WINE, Workshop on New Directions in Social Choice at EC24

Awards/Scholarships

WINE 2021	Best Student Paper Award
12/2015 – 11/2020	Scholarship from the "Studienstiftung des deutschen Volkes"

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

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

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

4. 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.

5. 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.

6. 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.

7. 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. F. Brandt, M. Greger, R. Romen. **On strategyproofness and localizedness in social choice**. 2025. Working paper.

2. P. Becker, A. Fries, M. Greger, E. Segal-Halevi. **Efficiently computing equilibria in budget-aggregation games**. 2025. Working paper.

3. E. Elkind, M. Greger, P. Lederer, W. Suksompong, and N. Teh. **Settling the score: Portioning with cardinal preferences**. 2024. Working paper.