

David Sychrovský

✉ sychrovsky@kam.mff.cuni.cz

🌐 <https://kam.mff.cuni.cz/~sychrovsky/>



Education

- 2020 – Now **Ph.D. in Computer Science** at Charles University
Focus: *Learning in Games*.
- 2018 – 2020 **M.Sc. in Theoretical Physics** at Charles University
Thesis title: *Study of geodesic chaos by fractal methods*.
- 2015 – 2018 **Bc. in Physics** at Charles University
Thesis title: *Comparison of Brill waves with the fields of singular rings*.

Research Publications

Conference Proceedings

- 1 D. Sychrovský, M. Šustr, E. Davoodi, M. Bowling, M. Lanctot, and M. Schmid, “Learning not to regret,” in *Proceedings of the The 38th Annual AAAI Conference on Artificial Intelligence (AAAI)*, 2024.
- 2 F. Úradník, D. Sychrovský, J. Černý, and M. Černý, “Reducing optimism bias in incomplete cooperative games,” in *Proceedings of the 23rd International Conference on Autonomous Agents and Multiagent Systems (IFAAMAS)*, 2024.
- 3 D. Sychrovský, J. Černý, S. Lichau, and M. Loebl, “Price of anarchy in a double-sided critical goods distribution system,” in *Proceedings of the 22nd International Conference on Autonomous Agents and Multiagent Systems (IFAAMAS)*, 2023. 🔗 URL: <https://arxiv.org/abs/2302.09959>.
- 4 D. Sychrovský, S. Desai, and M. Loebl, “Rule enforcing through ordering,” in *The 14th Conference on Decision and Game Theory for Security (GAMESEC)*, 2023. 🔗 URL: <https://arxiv.org/abs/2303.17971>.

Workshops

- 1 M. Loebl, D. Sychrovský, and C. Vinci, “Bicriteria fair allocation,” in *Workshop on Recommendation Ecosystems: Modeling, Optimization and Incentive Design (EcoSys)*, 2024.
- 2 F. Úradník, D. Sychrovský, J. Černý, and M. Černý, “Optimal querying of superadditive set functions to minimize ambiguity,” in *HomeSpeakersSubmissionsAccepted PapersScheduleOrganizersPast Editions 4th workshop on Graphs and more Complex structures for Learning and Reasoning (GCLR)*, 2024.
- 3 D. Sychrovský, S. Desai, and M. Loebl, “Promoting non-cooperation through ordering,” in *The 14th Workshop on Optimization and Learning in Multiagent Systems (OPTLEARNMAS-23)*, 2023.
- 4 D. Sychrovský, M. Šustr, E. Davoodi, M. Lanctot, and M. Schmid, “Learning not to regret,” in *The 14th Workshop on Optimization and Learning in Multiagent Systems (OPTLEARNMAS-23)*, 2023.

Skills

- Languages **📖** Czech (native), English (C1), German (B1).
- Coding **📖** Python, \LaTeX .

Miscellaneous Experience

Awards and Achievements

2023  **Prize of Jirka Matoušek Prize**, For outstanding publication [3].

Summer Schools

2022  **DIMACS REU**, A two month research stay at the Rutgers University.

 **4EU+ Summer School on Artificial Intelligence**, A week long summer school organized by the University of Milan.