Maksim Gladyshev

PhD Candidate · Utrecht University

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Education

Utrecht University *Utrecht, Netherlands*

PhD Computer Science *2020 - present*

- **Doctoral advisors**:
  Natasha Alechina (promotor), Mehdi Dastani (promotor), Dragan Doder (copromotor)
- **Thesis**: (draft) "Who Is to Blame?" and "What Is to Be Done?" A Formal Study of Counterfactual Approaches to Responsibility and Causation in (Multi-Agent) AI Systems

Higher School of Economics *Moscow, Russia*

MSc Politics.Economics.Philosophy *(with honors)* *2018 - 2020*

- GPA: 8.21/10
- Thesis: Systematization of The Results on Assessing The Degree of Manipulability of Majoritarian Voting Rules (graded 10/10)
- Advisor: Fuad Aleskerov

Higher School of Economics *Moscow, Russia*

BA Philosophy *2014 - 2018*

- GPA: 7.25/10
- Thesis: A Problem of the Emergence and Stability of Conventions (in Russian) (graded 10/10)
- Advisor: Vitaliy Dolgorukov

Professional Experience

2018-2020 **Graduate Research Assistant**, International Lab for Logic, Linguistics and Formal Philosophy, HSE

2017-2018 **Undergraduate Research Assistant**, Faculty of Humanities, HSE

Publications

Published

Gladyshev, M., Alechina, N., Dastani, M., & Doder, D. (2024) Reasoning About Group Responsibility for Exceeding Risk Threshold in One-Shot Games. Information and Computation.

Dolgorukov, V., Galimullin, R., & **Gladyshev, M.** (2024). Dynamic Epistemic Logic of Resource Bounded Information Mining Agents. In Proceedings of the 23rd International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2024 (pp. 481-489).

Gladyshev, M., Alechina, N., Dastani, M., Doder, D., & Logan, B. (2023). Dynamic Causality. In 26th European Conference on Artificial Intelligence, ECAI 2023 (pp. 867-874). IOS Press BV.

Gladyshev, M., Alechina, N., Dastani, M., & Doder, D. (2023). Group Responsibility for Exceeding Risk Threshold. In Proceedings of the International Conference on Principles of Knowledge Representation and Reasoning, KR 2023 (Vol. 19, No. 1, pp. 322-332).

Gladyshev, M., Alechina, N., Dastani, M., Doder, D. (2023). Dynamics of Causal Dependencies in Multi-agent Settings. In: Ciortea, A., Dastani, M., Luo, J. (eds) Engineering Multi-Agent Systems. EMAS 2023. Lecture Notes in Computer Science, vol 14378. Springer, Cham.

Dolgorukov, V., **Gladyshev, M.** (2023). Dynamic Epistemic Logic for Budget-Constrained Agents. In: Areces, C., Costa, D. (eds) Dynamic Logic. New Trends and Applications. DaLí 2022. Lecture Notes in Computer Science, vol 13780. Springer, Cham.

In Review

Manuscript 1 Galimullin R., **Gladyshev M.**, Mittelmann M., Motamed N. Changing the Rules of the Game: Reasoning About Dynamic Phenomena in Multi-Agent Systems.

Manuscript 2 **Gladyshev, M.**, Alechina, N., Dastani, M., Doder, D., & Logan, B. Temporal Causal Reasoning with (Non-Recursive) Structural Equation Models.

Manuscript 3 **Gladyshev, M.**, Alechina, N., Dastani, M., & Doder, D. A Logic of Blameworthiness for Taking Risks.

Awards, Fellowships, & Grants

2020 **2-years Grant for Young Researchers**, HSE

2019 **Best Student Paper Award**, HSE

2018 **Best Student Paper Award**, HSE

Presentations

Contributed Presentations

Gladyshev, M. 2024. Dynamic Epistemic Logic of Resource Bounded Information Mining Agents: 23rd International Conference on Autonomous Agents and Multiagent Systems (AAMAS), Auckland, New Zealand.

Gladyshev, M. 2023. Dynamic Causality: 26th European Conference on Artificial Intelligence (ECAI), Krakow, Poland.

Gladyshev, M. 2023. Reasoning about Exceeding Risk Threshold: Workshop on Logical Aspects of Multi-Agent Systems and Strategic Reasoning (LAMAS&SR), Krakow, Poland.

Gladyshev, M. 2023. Reasoning About Group Responsibility for Taking Risks: BNAIC 2023, Delft, Netherlands.

Gladyshev, M. 2023. Dynamics of Causal Dependencies in Multi-agent Settings: 11th International Workshop on Engineering Multi-Agent Systems (EMAS), London, UK.

Gladyshev, M. 2023. Reasoning About Group Responsibility in Probabilistic Settings. The Eleventh Workshop on Combining Probability and Logic (Progic), Utrecht, Netherlands.

Gladyshev, M. 2022. Dynamic Epistemic Logic for Budget-Constrained Agents: Dynamic Logic: New Trends and Applications (DaLi Workshop), Online.

Gladyshev, M. 2018. The Problem of Social Conventions: Game-theoretic View. Formal Philosophy Conference, Higher School of Economics, Moscow, Russia.

Teaching Experience

2024-2025	**Methods in AI Research**, Teaching Assistant	*Utrecht*
2021-2025	**Informatics Introductory Project**, Teaching Assistant	*Utrecht*
2020–2025	**Philosophy of AI**, Seminar teacher	*Utrecht*
2020-2022	**Computational Intelligence**, Teaching Assistant	*Utrecht*
2020-2025	**Undergraduate Thesis Supervision**,	*Utrecht*

Outreach & Professional Development

Summer Schools

2023 **34th European Summer School in Logic, Language and Information (ESSLLI)**, Ljubljana, Slovenia

2023 **1st European Summer School on Artificial Intelligence (ESSAI)**, Ljubljana, Slovenia

2022 **4th Nordic Logic Summer School**, Bergen, Norway

2021 **22nd European Agent Systems Summer School (EASSS)**, online

2021 **32nd European Summer School in Logic, Language and Information (ESSLLI)**, online

2019 **31st European Summer School in Logic, Language and Information (ESSLLI)**, Riga, Latvia

Development

2023 **SIKS course on Human-Centred AI**, *Utrecht*
2022 **The Art of Scientific Writing course**, online course *Utrecht*

Peer Review

AAAI Conference on Artificial Intelligence, 2024-2025 (PC member)
International Conference on Knowledge Representation and Reasoning (KR), 2024 (external reviewer)
European Conference on Artificial Intelligence (ECAI), 2023, (external reviewer)
European Conference on Logics in Artificial Intelligence (JELIA), 2023 (external reviewer)
International Conference on Principles and Practice of Multi-Agent Systems (PRIMA), 2022 (external reviewer)
Advances in Modal Logic (AiML), 2022 (external reviewer)

Professional Memberships

European Association for Artificial Intelligence
European Association for Multi-Agent Systems