

# Maksim Gladyshev

PHD CANDIDATE · UTRECHT UNIVERSITY

*Utrecht, the Netherlands*

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## Education

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### 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

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

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

## Publications

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### PUBLISHED

(**accepted**) **Gladyshev, M.**, Alechina, N., Dastani, M., Doder, D., & Logan, B. (2025). Temporal Causal Reasoning with (Non-Recursive) Structural Equation Models. In Proceedings of the 39th Annual AAI Conference on Artificial Intelligence.

**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. A Logic of Blameworthiness for Taking Risks.

## Awards, Fellowships, & Grants

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

2019 **Best Student Paper Award**, HSE

2018 **Best Student Paper Award**, HSE

## Presentations

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### 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 (Prolog), 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

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2024-2025	<b>Methods in AI Research</b> , Teaching Assistant	<i>Utrecht</i>
2021-2025	<b>Informatics Introductory Project</b> , Teaching Assistant	<i>Utrecht</i>
2020-2025	<b>Philosophy of AI</b> , Seminar teacher	<i>Utrecht</i>
2020-2022	<b>Computational Intelligence</b> , Teaching Assistant	<i>Utrecht</i>
2020-2025	<b>Undergraduate Thesis Supervision</b> ,	<i>Utrecht</i>

## Outreach & Professional Development

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### SUMMER SCHOOLS

- 2023 **34th European Summer School in Logic, Language and Information (ESLLI)**, 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 (ESLLI)**, online
- 2019 **31st European Summer School in Logic, Language and Information (ESLLI)**, Riga, Latvia

## DEVELOPMENT

- 2023 **SIKS course on Human-Centred AI,**
- 2022 **The Art of Scientific Writing course,** online course
- 2021 **SIKS course on Integrating Learning and Reasoning,**

*Utrecht*

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*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

- Association for the Advancement of Artificial Intelligence (AAAI)
- European Association for Artificial Intelligence (EurAI)
- European Association for Multi-Agent Systems (EURAMAS)