

ARTUR DOLGOPOLOV (ARTHUR)

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Education:

PhD in Economics, George Mason University,
Economics Dep. & Interdisciplinary Center for Economic Science, 2020
MA in Economics, Moscow State University, 2011
BA in Economics, Moscow State University, 2009

Job Market Paper

Algebraic Approach to Competitive Equilibria

https://arthurdolgopolov.net/papers/Dolgopolov_Algebraic.pdf

List of Publications

"Reinforcement Learning in a Prisoner's Dilemma" - Games and Economic Behavior, 2024

<https://doi.org/10.1016/j.geb.2024.01.004>

"Assignment Markets: Theory and Experiments" – European Economic Review, 2024

(with Cesar Martinelli, Daniel Houser and Thomas Stratmann)

<https://doi.org/10.1016/j.eurocorev.2024.104738>

Research Papers:

"History-dependent Preferences: An Axiomatic Perspective"

(with Ehud Lehrer and Dominik Karos)

<https://pub.uni-bielefeld.de/record/3013523>

"Reconstructing Strategies in Dynamic Games"

(with Mikhail Freer)

https://arthurdolgopolov.net/papers/DolgopolovFreer_DynamicGames.pdf

"Learning and Acyclicity in the Market Game"

(with Cesar Martinelli)

<https://cadmus.eui.eu//handle/1814/72420>

"Revealed Social Preferences"

(with Mikhail Freer)

Research Paper in Progress:

"Strategic communication of narratives: An experiment"

"Untitled incomplete-information bargaining project"

"Mechanism Design with Memory and no Money"

"Tractable Auctions and Existence of Pricing Equilibria"

Teaching and Research Fields:

Game Theory (especially dynamic games), Microeconomic Theory,
Experimental Economics, Revealed Preference

Teaching Experience:

Graduate courses

Spring 2017, 2018, 2019	Experimental Economics II (Game theory), GMU, Teaching Assistant
Fall 2017, 2018	Math Economics II (Price theory), GMU, Teaching Assistant
Summer 2018, 2019	Math camp for graduate students, GMU
Spring 2022	Computational Game Theory, EUI
Spring 2022	Computational Game Theory, University of Lucerne
Spring 2023	Seminar on Revealed Preference, Bielefeld University
Spring 2024	Seminar on Stochastic Stability, Bielefeld University
Spring 2025	Seminar on Algorithmic Game Theory, Bielefeld University

Undergraduate courses

Fall 2010	Intermediate Macroeconomics, Moscow State University, Teach. Assistant
Summer 2017	Economic Problems and Public Policies, GMU
Summer 2020 (online)	International Economics, GMU

Research Positions and Other Relevant Work Experience:

Mar 2026 – Present	University Rome Tor Vergata, Assistant professor
Sep. 2022 – Aug. 2025 and Nov. 2025 – Mar. 2026	Bielefeld University, Postdoctoral researcher
Sep. 2021 – Aug. 2022	European University Institute, Professor (part-time)
Sep. 2020 – Aug. 2022	European University Institute, Max Weber postdoctoral fellow
Nov. 2015 – Dec. 2019	George Mason University, Graduate Research Assistant
Apr. 2011 – May 2014	«Economics Expert Group», Moscow (Russia), Expert on structural reforms

Professional Activities

Workshops

Co-organizer of “Voters’ Preferences and Parties’ Performance in Politics Workshop” MWP
 Multidisciplinary research workshop, 2022
 Co-organizer of PriTech, "Pricing Technologies and their Economic and Social Consequences"
 MWP Multidisciplinary research workshop, 2021

Refereeing

Information Economics and Policy, Experimental Economics, International Economic Review, Social
 Choice & Welfare, Games and Economic Behavior, Journal of Economic Behavior & Organization, Spring
 Meeting of Young Economists, Econometrica, Chaos

Talks

2025	15 th Day in Computational Game Theory at Tilburg University, <i>“Algebraic Approach to Competitive Equilibria”</i> World Congress of Econometric Society, <i>“Algebraic Approach to Competitive Equilibria”</i> , Seoul
2024	Seminar in University of Essex, <i>“Assignment Markets”</i> Reinforcement Learning for Stochastic Networks RL4SN, Toulouse, <i>“Reinforcement Learning in a Prisoner’s Dilemma”</i> The Lisbon Meetings in Game Theory and Applications, <i>“Learning and Acyclicity in Markets”</i>
2023	13th Conference on Economic Design, <i>“Tractable Auctions and Existence of Pricing Equilibria”</i> 22nd SAET Conference Paris, <i>“Automated Mechanism Design with Memory”</i> Workshop on Collective Decisions: Current Trends, University of Granada, <i>“Tractable Auctions and Existence of Pricing Equilibria”</i>
2022	12th Conference on Economic Design, <i>“Reinforcement Learning in a Prisoner’s Dilemma”</i>
2020	World Congress of Econometric Society, <i>“Reconstructing Strategies in Dynamic Games”</i>
2019	The Lisbon Meetings in Game Theory and Applications, <i>“Assignment Markets: Theory and Experiments”</i> Spring Meeting of Young Economists, <i>“Mechanism Design with Memory and no Money”</i> Stony Brook International Conference on Game Theory, <i>“Mechanism Design with Memory and no Money”</i>
2018	ESA World Meeting, <i>“Revealed Social Preferences”</i> Foundations of Utility and Risk Conference (FUR), <i>“Revealed Social Preferences”</i> Econometric Society (NASMES), <i>“Revealed Social Preferences”</i> Stony Brook International Conference on Game Theory, <i>“Revealed Markov Strategies”</i> Spring Meeting of Young Economists, <i>“Revealed Social Preferences”</i>
2017	ESA World Meeting, <i>“Bayesian-Nash Revealed”</i>

Grants, Scholarships, and Awards:

2025	BNF Bridge Grant
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2020	Dissertation Completion Grant
2019	OLLI Scholarship Award
2018, 2019	Mercatus center Research grants

Other skills:

Data analysis:

Machine learning (unsupervised clustering on experimental data, reinforcement learning simulations)
 Natural language processing (analyzing unstructured bargaining logs for laboratory experiment)

Programming

Optimization: YALMIP • Cvx • Ampl

Statistical/Mathematical packages: Octave/Matlab • Eviews • Stata • Wolfram Mathematica • R • Lean (proof assistant)

Experiment design: oTree • zTree • Unity • Python

General programming: Python • Tensorflow • C++ • C# • VB • SQL • MQL4

Languages

English (fluent), Russian (native), Italian (intermediate), French (basic reading and writing), German (basic)

References:

Prof. Dr. Dominik Karos
 (current employer)

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Prof. Cesar Martinelli
 (Ph.D. thesis advisor, co-author)

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Prof. Giacomo Calzolari
 (former mentor at EUI)

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Prof. Daniel Houser
 (Ph.D. thesis committee member, director of department at GMU, co-author)

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