

JURGIS KARPUS

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AREAS OF SPECIALIZATION

Game Theory and Rational Choice Theory
Philosophy of Technology and Artificial Intelligence
Philosophy of Economics

AREAS OF COMPETENCE

Philosophy of Science
Philosophy of Mind
Ethics

EMPLOYMENT

since 2018 **Assistant Professor**
Postdoctoral Researcher
Cognition, Values, Behaviour lab, Faculty of Philosophy
(80% in 2020-2022)
Crowd Cognition lab, Faculty of Psychology
(20% in 2020-2022)
Ludwig-Maximilians-Universität München (LMU Munich)



2017–2018 **Visiting Research Associate**
2016–2017 **Teaching Fellow in Philosophy**
Department of Philosophy, King's College London



2016–2018 **Guest Teacher**
Department of Philosophy, Logic and Scientific Method
London School of Economics and Political Science



EDUCATION

2012–2017 **PhD Philosophy**
King's College London
Dissertation: *Intertemporal choice: a person as a team of temporal selves*
Supervisors: Natalie Gold, David Papineau, Sherrilyn Roush
Examiners: Richard Bradley, Robert Sugden



2009–2010 **MSc Economics and Philosophy**
London School of Economics and Political Science



2002–2005 **BSc Philosophy and Economics**
London School of Economics and Political Science



PUBLICATIONS

- 2023 Do artificial agents reproduce human strategies in the advisers' game?
M. Moll, J. Karpus, and B. Bahrami, *Operations Research Proceedings 2022* (eds. O. Grothe, S. Nickel, S. Rebennack, and O. Stein) Springer, 603–609
- 2023 Algorithmic nudging: the need for an interdisciplinary oversight
C. Schmauder, J. Karpus, M. Moll, B. Bahrami, and O. Deroy, *Topoi* 42, 799–807
- 2021 Strategic disinformation outperforms honesty in competition for social influence
R. H. J. Kurvers, U. Hertz, J. Karpus, M. P. Balode, B. Jayles, K. Binmore, and B. Bahrami, *iScience* 103505

- 2021 Game theory and rational reasoning
J. Karpus and M. Radzvilas, *The Routledge Handbook of Philosophy of Economics* (eds. C. Heilmann and J. Reiss) Routledge, 99–112
- 2021 Team reasoning without a hive mind
M. Radzvilas and J. Karpus, *Research in Economics* 75, 345–353
- 2021 Algorithm exploitation: humans are keen to exploit benevolent AI
J. Karpus, A. Krüger, J. T. Verba, B. Bahrami, and O. Deroy, *iScience* 24, 102679
- 2021 Nudging to donate organs: do what you like or like what we do?
S. Beraldo and J. Karpus, *Medicine, Health Care and Philosophy* 24, 329–340
- 2018 Team reasoning and a measure of mutual advantage in games
J. Karpus and M. Radzvilas, *Economics and Philosophy* 34, 1–30
- 2017 Team reasoning: theory and evidence
J. Karpus and N. Gold, *The Routledge Handbook of Philosophy of the Social Mind* (ed. J. Kiverstein) Routledge, 400–417

PAPERS UNDER REVIEW

- Big in Japan: human cooperation with artificial agents varies across countries
J. Karpus, R. Shirai, J. T. Verba, R. Schulte, M. Weigert, B. Bahrami, K. Watanabe, and A. Strasser
- Persons and their digital replicas
J. Karpus and A. Strasser

REFEREED CONFERENCE TALKS (INVITED AND GUEST TALKS FURTHER BELOW)

- AUG 2024 XXV World Congress of Philosophy
Sapienza University
'Game theory with context-dependent preferences'
- DEC 2023 Budapest workshop on philosophy of technology
Budapest University of Technology and Economics
'Algorithmic nudging: the need for an interdisciplinary oversight'
- SEP 2022 Algorithms and Economic Behavior
Hamburg University of Technology
'The unforeseen plight of a benevolent robotaxi'
- SEP 2022 52nd Congress of the German Psychological Society (DGPs)
University of Hildesheim
'Algorithm exploitation: humans are keen to exploit benevolent AI'
- MAY 2022 Artificial Intelligence and the Human—Cross-Cultural Perspectives on Science and Fiction
Alexander von Humboldt Institut für Internet und Gesellschaft
'Do people in Japan cooperate more with artificial agents? Lessons from game theory and psychology'
- DEC 2021 Budapest workshop on philosophy of technology
Budapest University of Technology and Economics
'I and my digital replica'

- JUL 2021 CEPE/IACAP joint conference 2021: the philosophy and ethics of artificial intelligence
Universität Hamburg
'Will we exploit benevolent AI?'
- DEC 2019 Budapest workshop on philosophy of technology
Budapest University of Technology and Economics
'The future of human-AI cooperation'
- NOV 2019 The community of advantage
HEIRS, IREC & LUMSA University
'When is it rational to overcome a temptation?'
- JUL 2019 15th European meeting on game theory
Turku School of Economics
'The future of human-AI interaction'
- JUN 2019 18th international conference on social dilemmas
Sedona / The University of Arizona
'The future of human-AI interaction'
- JUN 2017 17th international conference on social dilemmas
Taormina / Amsterdam Cooperation Lab
'Mutually advantageous play: going beyond best-response reasoning in games' (poster)
- APR 2016 NIBS conference 2016: assessing well-being when preferences are incoherent
University of East Anglia (UEA)
'Dissatisfaction and regret as an indicator of irrationality'
- DEC 2015 Workshop on game theory and social choice
Corvinus University of Budapest
'Team reasoning and mutually advantageous team play in games'
- JUL 2015 26th international conference on game theory
Stony Brook University
'Team reasoning and a rank-based function of team interests'
- JUN 2015 Decisions, games and logic
London School of Economics and Political Science
'Team reasoning and a rank-based function of team interests'
- FEB 2015 Warwick economics PhD students' conference
The University of Warwick
'Team reasoning and a rank-based function of team interests'
- NOV 2014 UECE Lisbon meetings 2014: game theory and applications
Lisboa School of Economics and Management
'Team reasoning and a rank-based function of team interests'
- APR 2023 Cognition, Values, Behaviour lab meeting
Ludwig-Maximilians-Universität München (LMU Munich)
'Algorithmic nudging: the need for an interdisciplinary oversight'
- APR 2023 Ethics of AI colloquium
Ludwig-Maximilians-Universität München (LMU Munich)
'Algorithmic nudging: the need for an interdisciplinary oversight'
- MAR 2023 Amsterdam Drone Week
Industry-focused conference on the future of air mobility
'Algorithm exploitation: keep air traffic free of human pilots'
- FEB 2023 Social Minds Reading Group
Max Planck Institute for Human Development in Berlin
'Big in Japan: human cooperation with artificial agents varies across cultures'
- NOV 2022 2nd INTERACT! Workshop
Ruhr-University Bochum
'The unforeseen plight of a benevolent robot worker'
- JUL 2022 Leibniz Workshop on Digital Ethics
Leibniz Universität Hannover
'Digital replica as an extension of one's personhood'
- MAY 2022 Cognition, Values, Behaviour lab meeting
Ludwig-Maximilians-Universität München (LMU Munich)
'Algorithmic advisers could learn to lie to us'
- MAR 2022 Augmented humans 2022
Ludwig-Maximilians-Universität München (LMU Munich)
'Persons and their digital replicas'
- FEB 2022 Digital technologies for amplifying human perception winter school 2022
Ludwig-Maximilians-Universität München (LMU Munich)
'Human conceptions of AI'
- FEB 2022 Workshop on team reasoning and collective agency
University of Bamberg
'The unforeseen plight of a benevolent robotaxi'
- FEB 2022 Cognition, Values, Behaviour lab meeting
Ludwig-Maximilians-Universität München (LMU Munich)
'I and my digital replica'
- JAN 2022 Social ontology research group
'Team reasoning and group rationality'
<https://youtu.be/gxWZoAwoPNc>
- DEC 2021 DeepMind research seminar
DeepMind
'Algorithm exploitation: humans are keen to exploit benevolent AI'
- OCT 2021 Cognition, Values, Behaviour lab meeting
Ludwig-Maximilians-Universität München (LMU Munich)
'Big in Japan: human-AI cooperation'
- OCT 2021 Center for Humans and Machines
Max Planck Institute for Human Development in Berlin
'Algorithm exploitation: humans are keen to exploit benevolent AI'



INVITED AND GUEST TALKS

- FEB 2024 Cognition, Values, Behaviour lab meeting
Ludwig-Maximilians-Universität München (LMU Munich)
'Interactive decision making for real'
- JUN 2023 Social implications and ethical aspects of AI
Technische Hochschule Ingolstadt
'Algorithm exploitation: humans are keen to exploit benevolent AI'
- JUN 2023 Center for studies in economics and finance
University of Naples Federico II
'Algorithmic nudging: the need for an interdisciplinary oversight'

- APR 2021 **socialBRIIDGES e-conference**
Universität der Bundeswehr München
'The unforeseen plight of a benevolent robotaxi'
- NOV 2020 **Institute of philosophy**
Leibniz Universität Hannover
'The future of human-AI cooperation'
- JUN 2020 **Institute of philosophy**
School of Advanced Study, University of London
'Will we exploit benevolent AI?'
- FEB 2020 **LMU-TUM workshop on human-machine interactions**
Ludwig-Maximilians-Universität München (LMU Munich)
'Algorithm exploitation'
- NOV 2019 **Cognition, Values, Behaviour lab meeting**
Ludwig-Maximilians-Universität München (LMU Munich)
'Self-similarity in economic games: a new experiment design'
- JUL 2019 **Microeconomics workshop**
Ludwig-Maximilians-Universität München (LMU Munich)
'The future of human-AI interaction'
- MAR 2019 **Center for studies in economics and finance**
University of Naples Federico II
'The future of human-AI interaction'
- FEB 2019 **Siemens AI meetup: the responsible use of AI**
Munich / Siemens AI Lab
'The future of human-AI interaction'
- DEC 2018 **Cognition, Values, Behaviour lab meeting**
Ludwig-Maximilians-Universität München (LMU Munich)
'Overcoming temptation in rational-choice theory'
- OCT 2018 **Cognition, Values, Behaviour lab meeting**
Ludwig-Maximilians-Universität München (LMU Munich)
'From best-response reasoning to team reasoning in games'
- APR 2018 **Cognition, Values, Behaviour lab meeting**
Ludwig-Maximilians-Universität München (LMU Munich)
'Why are we tempted to procrastinate?' and 'Do people team reason: a draft for an experiment'
- AUG 2017 **LSE CHOICE summer school**
London School of Economics and Political Science
'The puzzles of game theory'
- MAR 2017 **Staff research seminar**
King's College London
'Game theory, team reasoning, and mutually advantageous play'
- NOV 2016 **Choice group seminar**
London School of Economics and Political Science
'Team reasoning in intertemporal choice: a game-theoretic account of self-control'
- MAR 2016 **London intercollegiate philosophy graduate students' conference**
University of London
Reply to Aron Vallinder's 'Imprecise Bayesianism and extreme belief inertia'

- MAR 2014 **Research students' seminar**
- JAN 2013 **King's College London**
- NOV 2012 **'Team reasoning and team interests: a rank-based function'**
'Team reasoning: an overview'
'Decision making involving time and team reasoning'


TEACHING • OWN COURSES











- since 2023 **Minds & machines: selected topics where philosophy meets game theory, robotics, and AI** 
Philosophy • advanced UG and PG
Ludwig-Maximilians-Universität München (LMU Munich)
- since 2018 **Rational agents in social interaction: introduction to the philosophy and psychology of rational choice and game theory** 
Philosophy • advanced UG and PG
Ludwig-Maximilians-Universität München (LMU Munich)

TEACHING • GRADUATE TEACHING ASSISTANT

- 2016–2018 **Philosophy of economics** 
Philosophy • advanced UG
London School of Economics and Political Science
- 2016–2017 **Ethics I** 
Philosophy • first-year UG
King's College London
- 2016–2017 **Introduction to philosophy: ethics** 
Philosophy • first-year UG
King's College London
- 2016–2017 **Belief and decision under uncertainty** 
Philosophy / Medical School • first-year UG
King's College London
- 2016–2017 **Metaphysics II** 
Philosophy • advanced UG
King's College London
- 2014–2015 **Political philosophy I** 
Philosophy • first-year UG
King's College London
- 2014–2015 **Decision analysis for management and policy** 
Management • advanced UG
London School of Economics and Political Science
- 2014–2015 **Philosophy of science** 
Philosophy • advanced UG
King's College London
- 2013–2014 **Decision sciences in theory and practice** 
Management • advanced UG
London School of Economics and Political Science

GRANTS & SCHOLARSHIPS

- 2023–2027 **Emergent awareness from minimal collectives**
Research team member in the PI HORIZON-EIC-2021-PATHFINDERCHALLENGES project EMERGE
European Innovation Council 

- 2023-2024 **Interdisciplinary bridges for the study of crowd cognition in the age of big data**  
Principal investigator in a two-year research exchange project with collaborators at the University of Ljubljana within the Programme for Project-Related Personal Exchange (PPP) with Slovenia
Bundesministerium für Bildung und Forschung (BMBF)
German Academic Exchange Service (DAAD)
- 2023 **Visiting researcher grant** 
One-week research visit in June 2023
The Department of Economics and Statistics, University of Naples Federico II
- 2020-2021 **LMUexcellent Junior Research Fund** 
One-year research grant to develop a research project
Junior Research Fund, LMUexcellent, Ludwig-Maximilians-Universität München (LMU Munich)
- 2019 **Visiting researcher grant** 
Two-week research visit in March 2019
The Department of Economics and Statistics, University of Naples Federico II
- 2018 **Postdoctoral research fellowship** 
Two-year research grant (not undertaken)
Government of Ireland Research Council
- 2012–2015 **PhD scholarship** 
Tuition fees and living expenses
European Research Council (ERC)
- 2002–2005 **BSc scholarships**    
Tuition fees and living expenses
London School of Economics and Political Science (LSE)
The Benevolent Society of Blues (Christ's Hospital School)
Advancement In Life Fund (Christ's Hospital School)
Lithuanian Foundation USA

OTHER TALKS & EVENTS

PUBLIC ENGAGEMENTS

- MAR 2023 **Amsterdam Drone Week**
Guest talk at a conference on the future of air mobility ([link](#)).
Interview ([link](#)).
'Algorithm exploitation: keep air traffic free of human pilots'
- JUL 2021 **Süddeutsche Zeitung**
Interview in a newspaper (July 3)
'Menschen haben kein Problem damit, Maschinen auszunutzen'
- JUN 2021 **The Swiss Radio**
Interview in a radio programme (June 10)
'Kultur kompakt'
- FEB 2019 **Siemens AI meetup: the responsible use of AI**
Talk and panel discussion at the Siemens AI Lab in Munich
'The future of human-AI interaction'
- AUG 2017 **LSE CHOICE summer school**
Guest talk to inspire high school pupils from disadvantaged backgrounds to pursue higher education
London School of Economics and Political Science

EVENTS ORGANIZED

- APR 2021 **The near-future of AI: how will humans and AI interact in 5 years?**
Co-organizer of a three-day e-conference
Ludwig-Maximilians-Universität München (LMU Munich)

- 2018–2020 **Cognition, Values, Behaviour lab meetings**
Coordinator of weekly seminar series
Ludwig-Maximilians-Universität München (LMU Munich)
- FEB 2020 **LMU-TUM workshop on human-machine interactions**
Co-organizer of the one-day workshop
Ludwig-Maximilians-Universität München (LMU Munich)
- MAY 2019 **Roundtable: the future of human-AI interaction**
Organizer of a roundtable brainstorming meeting between academics and AI industry specialists
Ludwig-Maximilians-Universität München (LMU Munich)
- MAR 2017 **Philosophy without borders: religion and philosophy in the African, Chinese, Greek, Indian, and Islamic traditions**
Co-organizer of the one-day symposium
King's College London
- MAR 2016 **Explanation, normativity, and uncertainty in economic modelling**
Co-organizer of the two-day interdisciplinary conference
London School of Economics and Political Science
- JUN 2014 **Self over time: identity, practical reasoning, and behaviour**
Co-organizer of the two-day interdisciplinary workshop
King's College London

EVENTS PARTICIPATED IN

- MAY 2023 **Mechanisms of collective decision-making for cooperative actions conference 2023**
Participant
Center for Advanced Studies of Dubrovnik
- SEP 2018 **International rationality summer institute 2018**
Participant
Irsee / Munich Center for Mathematical Philosophy (MCMP)

PROFESSIONAL SERVICE

- Reviewer: Academia Letters
AI & Society
Analytic Philosophy
Asian Bioethics Review
Economics and Philosophy
Erkenntnis
Humanities & Social Science Communications
iScience
Journal of the American Philosophical Association
Journal of Economic Methodology
Journal of Multi-Criteria Decision Analysis
Journal of Philosophy
Minds and Machines
Philosophical Transactions of the Royal Society A
PloS ONE
Politics, Philosophy & Economics
Synthese
Technology in Society
- Program committee member: 2024 Dutch Research School of Philosophy (OZSW) Annual Conference

DEPARTMENTAL ACTIVITIES

Member of the Ethics Committee of the Faculty of Philosophy
at LMU Munich (2021–2024)

Personal tutoring

Convening UG and PG research seminars

BA and MA dissertation supervision and grading (23)

NON-ACADEMIC EMPLOYMENT

2016–2018 **Secret London Runs**

Freelance running tour guide (London)

2016–2017 **Today Translations and Business Services**

Freelance English-Lithuanian interpreter (London)

2010–2012 **FactSet Middle East, India and Africa**

Portfolio Analytics Specialist for the Middle East, India, and Africa
(Mumbai, Dubai)

2006–2009 **FactSet UK and Ireland**

New Business Consultant and Senior Consultant for the UK and Ireland (London)

2005–2006 **Higham Group**

Complaints Handler (London)