

Education and Employment

University of Milan, Department of Philosophy “Piero Martinetti” Milan, Italy
Assistant Professor (RTD-a) of Logic for AI July 2022 - present

LMU Munich, Munich Center for Mathematical Philosophy Munich, Germany
Principal Investigator October 2018 - June 2022

- Project: [Evidence and Objective Bayesian Epistemology](#)
- Keywords: General Philosophy of Science, Evidence Aggregation, Maximum Entropy

- Project: [Foundations, Applications & Theory of Inductive Logic](#)
- Research Network of 14 Scholars

LMU Munich, Munich Center for Mathematical Philosophy Munich, Germany
Research Associate October 2015 - September 2018

- Project: [Philosophy of Pharmacology](#)
- Principal Investigator: [Barbara Osimani](#)
- Keywords: Philosophy of Medicine, Evidence Aggregation, Causal Assessment

University of Kent, Centre for Reasoning Canterbury, United Kingdom
Research Associate September 2012 - August 2015

- Project: [From objective Bayesian epistemology to inductive logic](#)
- Keywords: Objective Bayesian Epistemology, Inductive Logic, Philosophy of Probability
- Principal Investigator: [Jon Williamson](#)

FOM Munich, Germany
Postdoc December 2010 - April 2012

- Project: [Electronic Labour Market](#)
- Keywords: Multi-Agent-Systems, Automated Negotiation, Argumentation
- Principal Investigator: [Ricardo Büttner](#)

Laboratory of Environmental Biotechnology Narbonne, France
Postdoc May 2009 - April 2010

- Project Group: [ELSA-LCA](#)
- Keywords: Multi-Criterial Decision Making, Life Cycle Assessment
- Advisors: [Laurent Lardon](#) and [Jean-Philippe Steyer](#)

University of Manchester Manchester, United Kingdom
PhD in Mathematical Logic March 2006 - 27.04.2009

- Thesis: [The Principle of Spectrum Exchangeability within Inductive Logic](#)
- Keywords: Carnapian Inductive Logic, Uncertain Reasoning, Probability Logic

- Advisor: [Jeff Paris](#)

[École Normale Supérieure de Lyon](#)

Visiting Research Student

Lyon, France
May 2007 - July 2007

- Keywords: Quantum Computing, Non-Adaptive Algorithms, Computational Complexity
- Advisor: [Pascal Koiran](#)

[University of Freiburg](#)

“Diploma” Mathematics

Freiburg, Germany
2002 - 2005

- Keywords: Logic, Parameterized Complexity, Model Checking, Satisfaction Problems
- Advisor: [Jörg Flum](#)
- Thesis: [The \$W^*\$ -Hierarchy](#)

[Technical University of Denmark](#)

Erasmus Exchange Student

Lyngby, Denmark
2001 - 2002

[Goethe University Frankfurt](#)

Intermediate Exam in Mathematics, minor: Physics

Frankfurt, Germany
1999 - 2001

3 months of parental leave after the birth of our third child in 2018.

Teaching (graduate modules starred)

[Logic for Practical Reasoning and Artificial Intelligence](#)

Convenor

[University of Milan](#)
planned for Spring Term 2024

[Topics in Logic, Probability and Computation*](#)

Convenor together with [Esther Corsi](#)

[University of Milan](#)
4-day block seminar, January 2023

[Social Epistemology: Models and Simulations*](#)

Convenor, supported by 1 TA

[Munich Center for Mathematical Philosophy](#)
Summer Term 2022

[Feminism & Diversity](#)

Convenor

[Munich Center for Mathematical Philosophy](#)
Summer Term 2022

[Environmental Philosophy](#)

Convenor

[Munich Center for Mathematical Philosophy](#)
Winter Term 2021

[Philosophy of Social Sciences: An Introduction](#)

Convenor

[Munich Center for Mathematical Philosophy](#)
Winter Term 2020

[Central Topics in the Philosophy of Science*](#)

Convenor, supported by 2 TAs

[Munich Center for Mathematical Philosophy](#)
Winter Term 2019

[Metaphysics: An Introduction](#)

Convenor

[Munich Center for Mathematical Philosophy](#)
Summer Term 2019

[Philosophy of Medicine: An Introduction](#)

Convenor

[Munich Center for Mathematical Philosophy](#)
Winter Term 2018

[Philosophy of Artificial Intelligence](#)

Convenor

[Munich Center for Mathematical Philosophy](#)
Summer Term 2018

Philosophy of Economics* Convenor	Munich Center for Mathematical Philosophy Winter Term 2017
Introduction to Game Theory* Convenor	Munich Center for Mathematical Philosophy Summer Term 2017
Rational Choice Theory* Convenor	Munich Center for Mathematical Philosophy Winter Term 2016
Philosophy of Probability and Statistics* Convenor	Munich Center for Mathematical Philosophy Summer Term 2016
Philosophy of Game-Theoretic Probability Seminar Leader with Thomas Augustin, Barbara Osimani and Roland Poellinger	Ten guest lectures by Glenn Shafer at the MCMP March 2016
Bayesian Epistemology* Convenor; funded by the EU's Erasmus+ Teaching Programme	Department of Philosophy at the University of Lund, Sweden May 2015
Maximum Entropy and Inductive Logic* Convenor	Spring School on inductive logic April 2015
Logic for Philosophy Students Teaching Assistant	University of Kent Autumn Term 2014
Rational Belief Formation* Convenor; funded by the EU's Erasmus Teaching Programme	Munich Center for Mathematical Philosophy July 2014
Reading group on Tychomancy* by Michael Strevens Convenor	University of Kent March 2014 - June 2014
Decision Making* Convenor	University of Kent January 2014 - February 2014
Reading group Evolution and Rationality* by Okasha & Binmore Convenor	University of Kent May 2013 - September 2013
Mathematics 1 for Business Psychology Students Teaching Assistant	Hochschule Fresenius Munich March 2012 - June 2012
Mathematics 1 for Business Administration Students Teaching Assistant	Hochschule Fresenius Munich September 2011 - January 2012
Calculus 1 for Physics Students Teaching Assistant	Technische Universität München October - November 2010
Mathematical Logic for Computer Scientists Teaching Assistant	University of Freiburg Summer Semester 2005
Introduction to Mathematical Logic for Mathematicians Teaching Assistant	University of Freiburg Winter Semester 2004 - 2005

[Certificate for Teaching in Higher Education of the Bavarian Universities](#) issued by the LMU Munich; seminars attended: blended learning, consulting students, examining, flip charts, innovation through reflection, leadership, legal issues, presenting, supporting academic writing, teaching attitudes. Further seminars attended: activation methods for teaching and Teaching & Leadership.

Supervision and Examining

I was the external reviewer for Aaron Green (PhD candidate at the [Department of Media Studies](#) at the Technological University Dublin) supervised by [Harry Browne](#).

In 2019-2020, I supervised Timo Ebner's a bachelor thesis with the title *Do classical arguments against AI still apply today?*.

In 2017, I supervised Peter Baumann's bachelor thesis [Transformation of Propositional Attitudes in Epistemic Networks](#).

I was the external PhD examiner of Tahel Ronel at the School of Mathematics at the University of Manchester. The title of her thesis is [Symmetry Principles in Polyadic Inductive Logic](#). On 15.Feb.2016 Tahel Rohel passed the viva without corrections.

I was the third PhD supervisor of [Dr. Teddy Groves](#) (2012 - 2015). The title of his thesis is [Let's Reappraise Carnapian Inductive Logic!](#).

I was the academic mentor of Dr. [Veli-Pekka Parkkinen](#) at the University of Kent.

I co-supervised one bachelor thesis at the FOM on multi criteria decision making.

I have written five second assessments of "diploma" and master's theses at the FOM.

Grants

[Theory and Application of Inductive Logic](#)

Principal Investigator and Applicant

[German Research Foundation Scientific Network](#), € 58,743

[Evidence and Objective Bayesian Epistemology](#)

Principal Investigator and Applicant

[German Research Foundation Standard Research Grant](#), € 294,900

[One week teaching trip to Lund in 2015](#)

Applicant

[Erasmus+ Teaching Mobility flights, accommodation and expenses](#)

[Progic 2015](#)

Co-applicant

[AHRC, Analysis, BLC, BSPS, Centre for Reasoning, KIASH, LMS, MIND Conference](#), £4,627

[One week teaching trip to Munich in 2014](#)

Applicant

[Erasmus+ Teaching Mobility Flights, accommodation and expenses](#)

[Inductive Logic and Confirmation in Science 2013](#)

Co-applicant

[BSPS, Centre for Reasoning Conference](#), £750

Editing

[Logique et Analyse](#)

Associate Editor since 20.09.2023

Talks (selected)

I have attend a great number of conferences/workshops (51 and counting), see my [website](#) for the complete list:

Department of Computer Science, Université de Caen, *An Objective Bayesian Approach to Knowledge Representation*; invited, 13.02.2024.

HEUristique et DIAgnostic des SYstèmes Complexes, Université de Technologie de Compiègne, *A Quest for Good Information*; invited, 27.11.2023.

HEUristique et DIAgnostic des SYstèmes Complexes, Université de Technologie de Compiègne, *An Objective Bayesian Approach to Knowledge Representation*; invited, 12.09.2023.

STEM in Dachau, *Numbers and Enumerations* for members of the public between 8 and 88 years of age, October 2022.

Panhellenic Logic Symposium, *A Triple Uniqueness of the Maximum Entropy Approach*, July 2022.

Department of Computer Science, Université du Luxembourg, *Causal Inference in Medicine in the Real World*; invited, November 2021.

Institute for Logic, Language and Computation, Amsterdam, *Maximising Entropy on Predicate Languages*; invited, October 2021.

European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty, *A Triple Uniqueness of the Maximum Entropy Approach*.

Global Classroom, *Causation and Causal Inference*.

Summer School on Mathematical Philosophy for Female Students 2021, *An Introduction to (Objective) Bayesian Epistemology*.

Bayesian Epistemology: Perspectives and Challenges, *Objective Bayesian Epistemology*.

Interdisciplinarity of Inductive Logic, *MaxEnt and the requirement to update on ALL the available evidence*.

European Philosophy of Science Association, organiser of a symposium on *Biases in the Sciences and Science-Based Policy*, title of my talk *On the Assessed Strength of Agents' Bias*.

British Society for the Philosophy of Science, organiser of a symposium on *Biases in the Sciences and Science-Based Policy*, title of my talk *On the Assessed Strength of Agents' Bias*.

Formal Epistemology Workshop 2019, *The Variety of Evidence Thesis and its Dependence on Degrees of Independence*.

Austrian Agency for Health and Food Safety and Austrian Federal Office for Safety in Health Care, *Evidence Synthesis: Drug Reaction with Eosinophilia with Systemic Symptoms and Amoxicillin*.

WHO affiliated Uppsala Monitoring Centre, *Evidence Synthesis: Asthma and Paracetamol*.

Philosophy Department of the University of Kent, Canterbury, *Evidence Synthesis*, invited.

British Society for the Philosophy of Science 2017, *Variety of Evidence*.

Duesseldorf Center for Logic and Philosophy of Science, *Objective Bayesianism and Entropy*, 2016 invited.

Formal Epistemology Workshop 2016, *Invariant Equivocation*.

Entropy Workshop, *Objective Bayesian Nets from Consistent Datasets: Theory and Implementation*, invited.

Conference Organisation

Program committee member of the [21st International Conference on Principles of Knowledge Representation and Reasoning, KR 2024](#).

Program committee member of the [20th International Conference on Principles of Knowledge Representation and Reasoning, KR 2023](#).

[Sihem Belabbes](#) and I organised a workshop on [Graphical Reasoning with Imperfect Data \(GRID\)](#) as part of the [20th International Conference on Principles of Knowledge Representation and Reasoning](#).

Committee member of the [MCMP Summer School on Mathematical Philosophy for Female Students 2022](#). [Prolog 2021](#). The themes of this conference were inductive logic and entropy.

[Michael Wilde \(Kent\)](#) and I organised an online conference on [Philosophy and Methodology of Medicine](#) (June 2021).

I organised a Summer school and a conference on [Bayesian Epistemology: Perspective and Challenges](#) (August 2020).

I co-organised a workshop on [Drug Safety, Probabilistic Causal Assessment, and Evidence Synthesis](#) (January 2017).

I was in the program committee of [MuST 9: Evidence, Inference, and Risk](#) and the [2nd Munich Graduate Workshop in Mathematical Philosophy: Formal Epistemology](#).

I co-organised [Prolog 2015 – The Seventh Workshop on Combining Probability and Logic](#) and the preceding [Spring School on inductive logic](#) (April 2015).

I co-organised [Inductive Logic and Confirmation in Science 2013](#).

Reviewing

44 journals (in alphabetical order): [Analysis](#), [Annalen der Physik](#), [Annals of Pure and Applied Logic](#), [British Journal for the Philosophy of Science](#), [Canadian Journal of Philosophy](#), [Dialectica](#), [Entropy](#), [Ergo](#), [European Journal for Philosophy of Science](#), [European Journal of Operational Research](#), [Erkenntnis](#), [Foundations of Science](#), [Frontiers in Pharmacology](#), [Historical Social Research](#), [IEEE Access](#), [International Studies in the Philosophy of Science](#), [International Journal of Approximate Reasoning](#), [International Journal of Biostatistics](#), [Journal for General Philosophy of Science](#), [Journal of Applied Logic](#), [Journal of Biomedical Informatics](#), [Journal of Evaluation in Clinical Practice](#), [Journal of Logic, Language and Information](#), [Journal of Philosophical Logic](#), [Journal of Philosophy](#), [Kriterion](#), [Metrika](#), [Mind](#), [Minds and Machines](#), [Noûs](#), [Philosophers' Imprint](#), [Philosophical Studies](#), [Philosophy of Medicine](#), [Philosophy of Science](#), [Quarterly Journal of the Royal Meteorological Society](#), [Review of Philosophy and Psychology](#), [Review of Symbolic Logic](#), [Studies in History and Philosophy of Science Part A](#), [Synthese](#), [Theoria](#), [Theory & Decision](#), [Thinking & Reasoning](#), [Topoi](#) and [Zeitschrift für philosophische Forschung](#).

Research project proposal: [UK's Engineering and Physical Sciences Research Council](#).

Research project proposal: [National Science Centre, Poland](#).

Book proposals: [MIT Press](#) and [Synthese Library Book Series](#).

Conference contributions: [International Conference for Philosophy of Science and Formal Methods in Philosophy](#), [Bayes by the Sea 2019](#), [Eighth European Congress of Analytic Philosophy](#).

Contributed book chapter: [Uncertainty in Pharmacology: Epistemology, Methods and Decisions](#), editors Adam La Caze and Barbara Osimani. [Boston Studies in Philosophy of Science](#), 2019.

I have written [35 reviews](#) for the [Zentralblatt MATH](#).

I have written 3 reviews for the [American Mathematical Society](#).

Selection Committees

Postdoc in Logic	University of Milan
Committee Member	2023
Assistant Professorship	Munich Center for Mathematical Philosophy
Committee Member	2022
2 Postdoc Positions in Philosophy of Science	Munich Center for Mathematical Philosophy
Committee Member	2020

Unsuccessful Major Funding Applications

Uncertain Inference: Maximum Entropy Methods and Beyond	German Research Foundation
Principal Investigator and Applicant	Standard Research Grant, € 250,545
Epistemic Diversity	Volkswagen Foundation
Principal Investigator and Applicant	€ 250,000
Fast Methods	German Research Foundation
Principal Investigator and Applicant	€ 712,900
Uncertain Inference: Maximum Entropy Methods and Beyond	Fritz Thyssen Foundation
Principal Investigator and Applicant	€ 299,365
Fast Drugs	DFG: Response to the Outbreak of SARS-CoV-2
Principal Investigator and Applicant	€ 699,400
Covid-19 Responses	Horizon 2020 Corona Response
Governmental Decision Making under Uncertainty	PI of Work Package with 93.4 Person Months
The Principle of Total Evidence	Named research assistant and co-author
UK's Arts and Humanities Research Council	Standard Reserach Grant
£ 308,477.44	
Inductive Logic, Johnson's Principle and Equality	Applicant
UK's Engineering and Physical Sciences Research Council	Call: Postdoctoral Fellowships 2010

Computer Programming Competences

Matlab/Octave: Bayes Net Toolbox

Language Competences

German: native

English: fluent

French: fluent in spoken French

Danish: basic reading

Misc

My [Erdős Number](#), which is a measure of the “collaborative distance” between mathematician Paul Erdős and another person, is [three](#): [Paul Erdős](#) - [George Mills](#) - [Jeff Paris](#) - [Jürgen Landes](#).

Coach of the University of Kent Table Tennis Club *2013 – 2015*

Captain of the University of Manchester Table Tennis Club *2006 – 2008*

Member of the University of Manchester Table Tennis Team *2006 – 2009*

Member of the University of Manchester Volleyball Team *2007*

Leader of almost a dozen summer and winter camps, organised by the [Sportjugend Hessen](#) *1999 – 2008*

References

[Professor Hykel Hosni](#)
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Milan, Italy

[Professor Stephan Hartmann](#)
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Director of the Munich Center for Mathematical Philosophy
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[Professor Jon Williamson](#)
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Canterbury, United Kingdom

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Munich, Germany

Professor Jeff Paris

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University of Manchester
Manchester, United Kingdom

Professor Silvia Jonas

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