Curriculum Vitae

Jan Sprenger

October 1, 2019

Contact Information

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Personal Details

Citizenship:	German	Date of Birth:	26 November 1982
Residence:	Turin, Italy	Place of Birth:	Köln, Germany

Current Positions

2017–	Professor (*professore ordinario*), Department of Philosophy and Educational Sciences, Università degli Studi di Torino.
2017–	Resident Member, Center for Logic, Language and Cognition (LLC), Università degli Studi di Torino.

Past Positions

2014–2017	Professor (Philosophy of Science), Department of Philosophy, Tilburg University.
2014–2017	Scientific Director, Tilburg Center for Logic, Ethics and Philosophy of Science (TiLPS), Tilburg University.

2008–2013	Assistant Professor, Department of Philosophy, Tilburg University and TiLPS Resident Fellow.

Areas of Research

Specialization:	Philosophy of Science
Competence:	(Social) Epistemology, Decision Theory, Logic, Semantics
Approach:	Combination of conceptual, formal and empirical methods ("scientific philosophy")

My research in philosophy of science is motivated from an epistemological perspective. Active research topics include statistical inference, causation, objectivity and scientific method in general.

Education

07/2008	PhD (Dr. phil.) in philosophy, University of Bonn, *summa cum laude*. Supervisor: Professor Andreas Bartels.
2005–2008	Graduate studies in philosophy at the University of Bonn, Germany, including stays at the London School of Economics and Tilburg University.
05/2005	Graduation in mathematics *mit Auszeichnung* at the University of Bonn. Degree: Diploma.
2003–2005	Continuation of studies in mathematics (major), computer science and philosophy (minors) at the University of Bonn.
2002–2003	Military Service in the *Sportfördergruppe* (training group for excellent athletes, section chess) of the *Bundeswehr* (Federal Armed Forces).
1999–2002	Studies in mathematics, computer science and philosophy at the University of Bonn.
1999	*Abitur* at the Gymnasium Liebfrauenschule, Köln.

Awards and Distinctions

2015–2020	Starting Investigator Grant by the European Research Council (ERC).

2014–2015	Vidi Scholarship by the Netherlands Organisation for Scientific Research (NWO). Five-year grant returned in favor of ERC grant listed above.
2010–2013	Veni Scholarship by the Netherlands Organisation for Scientific Research (NWO).
2006–2008	Postgraduate Research Scholarship of the *Cusanus Foundation*.
2000–2005	Scholarship by the *Cusanus Foundation* (Cusanuswerk).
2000–2001	Scholarship of the *German National Merit Foundation* (Studienstiftung des Deutschen Volkes). Returned in favor of the scholarship of the Cusanus Foundation.

VISITING FELLOWSHIPS

02–04/2017	Visiting Researcher at the *Centre for the Foundations of Science*, Sydney University.
01/2015	Visiting Researcher at the *Center for Formal Epistemology*, Carnegie Mellon University.
02–04/2011	Visiting Researcher at the *Australian Centre of Excellence for Risk Analysis (ACERA)*, University of Melbourne.
10–12/2010	Visiting Fellow at the *Centre for the Philosophy of Natural and Social Sciences*, London School of Economics.
09–11/2007	Visiting Fellow at the *Tilburg Center for Logic and Philosophy of Science*, Tilburg University.
01–03/2007	Visiting Fellow at the *Centre for the Philosophy of Natural and Social Sciences*, London School of Economics.

FUNDING FOR MAJOR RESEARCH PROJECTS

1. Funding for Research Project "From Models to Decisions", funded by the Italian Ministry of Research (MIUR) in the PRIN 2017 call (as main applicant, with Gustavo Cevolani, Carlo Martini and Giovanni Valente). 2019–2021. Volume: ca. 600,000 €.

2. Starting Investigator Grant by the European Research Council (ERC) on the project. "Making Scientific Inferences More Objective", 2015–2020. Volume: 1,500,000 €.

3. Funding for postdoctoral researcher on explanatory and causal reasoning in the second phase of the DFG Priority Programm "New Frameworks of Rationality" (as co-applicant, main applicant: Dr. Matteo Colombo). 2015–2017. Volume: 209,000 €.

4. Vidi grant by the Netherlands Organisation for Scientific Research (NWO) on the project "Making Scientific Inferences More Objective", 2014–2019 (returned in 2015 in favor of ERC grant). Volume: 800,000 €.

5. Funding for postdoctoral researcher in the Netherlands Organisation for Scientific Research (NWO) program "Sustainable Humanities" for the project "Explaining Language: Philosophical Perspectives on E-Humanities", acquired in an internal concours of Tilburg University. 2013–2016. Volume: 224,000 €.

6. Funding for postdoctoral researcher in the interdisciplinary Priority Program "New Frameworks of Rationality" of the German Research Foundation (DFG). 2012–2015. Volume: 218,000 €.

7. Veni grant by the Netherlands Organisation for Scientific Research (NWO) on the project "An Objective Guide for Public Policy? Scope and Limits of Data-Driven Methods in Statistical Model Evaluation". 2010–2013. Volume: 250,000 €.

Total Volume: 3,801,000 €.

Conference Funding

1. Koninklijke Nederlandse Akademie van Wetenschappen (KNAW): 3,000 € for the 8th Munich-Sydney-Tilburg Conference "Objectivity in Science", Tilburg, 10-12 June 2015.

2. Koninklijke Nederlandse Akademie van Wetenschappen (KNAW): 3,600 € for the 4th René Descartes Lectures, Tilburg, 20-22 October 2014.

3. Freiburg Institute for Advanced Studies (FRIAS): 8,000 € for the Workshop "Operationalization 2013", Freiburg, 14-17 October 2013.

4. German Research Foundation (DFG): 2,000 € for the Workshop "Operationalization 2013", Freiburg, 14-17 October 2013.

5. German Research Foundation (DFG): 3,000 € for the workshop "Operationalizing Epistemic Concepts", Aachen, 10–13 September 2012.

6. Koninklijke Nederlandse Akademie van Wetenschappen (KNAW): 5,500 € for the conference "The Progress of Science", Tilburg, 25–27 April 2012.

7. Koninklijke Nederlandse Akademie van Wetenschappen (KNAW): 5,500 € for the René Descartes Lectures, Tilburg, 6–8 October 2010.

8. Koninklijke Nederlandse Akademie van Wetenschappen (KNAW): 3,000 €
   for the workshop "Formal Modeling in Social Epistemology", Tilburg,
   9–10 October 2008.

9. Gesellschaft für Analytische Philosophie (GAP): 750 € for the workshop
   "Formal Modeling in Social Epistemology", Tilburg, 9–10 October 2008.

Total Volume: 34,350 €.

KEYNOTES AT WORKSHOPS AND CONFERENCES

- "Bayes by the Sea" Conference, Ancona, 08/2019.

    - "Bayesian Philosophy of Science and Bayesian Scientific Philosophy".

- FINO Graduate Conference "Kinds of Reasoning", Vercelli, 09/2018.

    - "Trivalent Semantics for Indicative Conditionals".

- Interdisciplinary Conference "Our Species and Its Responsibilities", Turin,
  02/2018.

    - "The Precautionary Principle in Environmental Decision-Making."

- Conference "Inferentialism, Bayesianism and Scientific Explanation", München,
  01/2017.

    - "Conditionals and Causality".

- Chance Encounter, Groningen, 06/2016.

    - "Conditional Degree of Belief."

- Conference "Non-Causal Explanations in the Sciences", München, 10/2014.

    - "The Probabilistic No Miracles Argument."

- PHILOGICA III: Colombian Congress for Logic, Epistemology and Philosophy of Science, Bogotá, 02/2014.

    - "Corroboration and Evidential Support."

- Second Reasoning Club Conference, Pisa, 06/2013.

    - "From Popper to Bayes (and back again)".

- Conference "Epistemic groups and collaborative research in science",
  Nancy, 12/2012.

    - "The No Alternatives Argument".

- Workshop on Explanatory Power, Ruhr-Universität Bochum, Bochum,
  05/2012.

    - "Probabilistic Explications of Explanatory Power".

Other Talks and Research Presentations

For a complete list of talks and presentations, please visit my homepage at `www.laeuferpaar.de/talks.html`. In total, I have given over 100 (invited and/or peer-reviewed) presentations in an academic context, i.e., conferences, workshops, meetings of research networks, or departmental colloquia. I will restrict myself to some highlights at prestigious conferences:

- Biennal Meeting of the Philosophy of Science Association (2008, 2010, 2012, 2016, 2018)

- Biennal Meeting of the European Philosophy of Science Association (2007, 2009, 2011, 2013, 2015, 2017, 2019)

- Formal Epistemology Workshop (2007, 2010, 2012, 2016, 2019)

- Annual Meeting of the Cognitive Science Society (2014, 2015, 2016)

In a couple of cases in the above list, the papers were given by co-authors when I was unable to attend physically.

PhD Student Supervision

I supervise(d) six PhD students as main supervisor:

1. **Noah van Dongen** (2016–2020), supervised jointly with Dr. Felipe Romero. Part of the ERC Starting Investigator Grant "Making Scientific Inferences More Objective".

   Title Bayesian Reasoning and Scientific Objectivity

2. **Michal Sikorski** (2015–2019), supervised jointly with Dr. Naftali Weinberger. Part of the ERC Starting Investigator Grant "Making Scientific Inferences More Objective".

   Title A Unified Theory of Conditional and Causal Reasoning.

3. **Colin Elliot** (2014–2018).

   Title The Subjective Interpretation of Probability.

4. **Silvia Ivani** (2013–2017), jointly with Prof. Dr. Alan Thomas and Dr. Matteo Colombo.

   Title The Role of Values in the Evolutionary Sciences.

5. **Lasha Abzianidze** (2012–2017), jointly with Dr. Reinhard Muskens.

   Title Proof Theory for Natural Language.

   Placement Postdoctoral Researcher, University of Groningen.

6. **Dominik Klein** (2010–2014), jointly with Prof. Dr. Stephan Hartmann, LMU Munich, and Dr. Eric Pacuit, U/Maryland at College Park.

   Title Social Interaction: A Formal Exploration.

   Placement Joint appointment as postdoctoral researcher at the University of Bamberg (political science) and University of Bayreuth (philosophy), 2015–.

In three cases, I acted as a co-supervisor:

1. **Chiara Lisciandra** (2009–2013), jointly with Prof. Dr. Stephan Hartmann.

   Title The Emergence of Norms in Society: A Philosophical Investigation.

   Placement Postdoctoral Researcher, TINT Helsinki (2013–15), Assistant Professor, RU Groningen (2015–)

2. **Cecilia Nardini** (2009–2013). External supervisor (main supervisor: Prof. Dr. Giovanni Boniolo, Milan).[1]

   Title Statistics in Clinical Trials: Out of Condition

   Placement Decided to leave academia in spite of possibilities of continuing her career.

3. **Niki Pfeifer** (2010–2012), jointly with Prof. Dr. Stephan Hartmann.[2]

   Topic Natural Formal Epistemology of Uncertain Reasoning.

   Placement Assistant Professor, LMU Munich (2012–).

In addition, I did a lot of research together with TiLPS PhD student Carlo Martini (2008–2011), resulting in several joint papers. Finally, I have served on the exam committee of TiLPS PhD students Kristina Liefke (2009–2013) and Soroush Rafiee Rad (2010–2014), and I have supervised the research of a substantial number of Visiting Fellows during their stay at TiLPS.

Postdoc Supervision

1. **Dr. Mattia Andreoletti** (2018–2020).

   Project Title Replicability and Objectivity in Clinical Science.

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[1]Dr. Nardini completed her PhD with at the IFOM-IEO campus at the University of Milan.
[2]Dr. Pfeifer was an external PhD student based at the LMU Munich.

PhD University of Milan + European Oncology Institute (IEO), 2018. Supervisor: Prof. Maria Rescigno and Prof. David Teira.

Description Subproject on statistical inference and medicine in my ERC project "Making Scientific Inference More Objective" (Starting Investigator Grant, 2015–2020)

2. **Dr. Felipe Romero** (2016–2018).

   Project Title Is the Scientific Method Self-Corrective?

   PhD Washington University, Philosophy, Neuroscience & Psychology, 2016. Supervisor: Prof. Dr. Carl Craver.

   Description Subproject on statistical reasoning in my ERC project "Making Scientific Inference More Objective" (Starting Investigator Grant, 2015–2020)

3. **Dr. Naftali Weinberger** (2015–2017).

   Project Title Bridging Explanatory and Causal Reasoning (as co-applicant, main applicant: Dr. Matteo Colombo)

   PhD University of Wisconsin at Madison, Philosophy, 2016. Supervisors: Prof. Dr. Daniel Hausman and Prof. Dr. Elliot Sober.

   Description This project is funded by the DFG Priority Program #1516 "New Frameworks of Rationality". It is the successor project of No. 5 below.

4. **Dr. Thomas Boyer-Kassem** (2015–2017).

   Title Collective decisions: how to aggregate risk assessment and risk acceptability?

   PhD IHPST Paris, Philosophy of Science, 2011. Supervisors: Prof. Dr. Anouk Barberousse and Prof. Dr. Jacques Dubucs.

   Description This research project is funded by the AXA Research Fund, which assigns two-year postdoctoral fellowships to scholars who study diverse aspects of risk analysis.

5. **Dr. Jun Lai** (2013–2016)

   Title Explaining Language: Philosophical Perspectives on E-Humanities

   PhD Leiden University, Psycholinguistics, 2013. Supervisor: Prof. Dr. Niels Schiller.

   Description This project at the borderline of philosophy and psycholinguistics studies how the learning of complex grammatical structures (e.g., recursive sentences) can be facilitated. It is conducted together with a professor from computational linguistics.

6. **Dr. Matteo Colombo** (2012–2015)

   Topic Explanatory Reasoning: Normative and Empirical Considerations. (as co-applicant, main applicant: Prof. Dr. Stephan Hartmann)

PhD Edinburgh University, Philosophy, 2012. Supervisors: Prof. Dr. Andy Clark and Prof. Dr. Peggy Seriès.

Description DFG Priority Program #1516 "New Frameworks of Rationality" (joint application with Stephan Hartmann). After completing this project, Dr. Colombo was offered a permanent position in my department and he is now one of those people who actively help me in running the center and in supervising PhD students and other postdocs.

7. **Dr. Rogier De Langhe** (2011–2013)

Topic Combining Computational and Kuhnian Models of Scientific Progress.

PhD Ghent University, 2010.

Description Rubicon Fellowship funded by the NWO (Dutch Science Organization).

Conference Organization

07/2019	12th Munich-Sydney-Turin Conference "Statistical Reasoning and Scientific Error" (jointly with Stephan Hartmann, Barbara Osimani, Noah van Dongen et al.).
06/2019	Formal Epistemology Workshop (FEW2019), Turin (with Vincenzo Crupi and Kenny Easwaran).
06/2018	11th Munich-Sydney-Tilburg/Turin Conference "Models of Explanation" (with Vincenzo Crupi, Mark Colyvan, Paul Griffiths, and Stephan Hartmann), University of Turin. Funded by the European Research Council (ERC).
2017–19	1st-3rd edition of the workshop "Perspectives on Scientific Error" (with Noah van Dongen and Felipe Romero). Tilburg, Groningen, Munich.
09/2016	5th René Descartes Lectures "Science, Values and Democracy" (with Silvia Ivani), featuring Heather Douglas, Tilburg University. Funded by the European Research Council (ERC).
05/2016	Conference "Philosophy of Science in the Forest" (PSF2016, with F.A. Muller and Marcel Boumans). Tri-annual conference of the Dutch Society for Philosophy of Science (NVWF).
05/2016	Workshop on the Precautionary Principle (with Thomas Boyer-Kassem), Tilburg University. Funded by the AXA Research Fund.
04/2016	9th Munich-Sydney-Tilburg Conference "Evidence, Inference and Risk" (with Mark Colyvan, Paul Griffiths, Stephan Hartmann and Barbara Osimani), LMU Munich. Funded by the Alexander von Humboldt Foundation and the European Research Council (ERC).

06/2015	8th Munich-Sydney-Tilburg Conference "Objectivity in Science" (with Mark Colyvan, Paul Griffiths, Stephan Hartmann, Matteo Colombo, and Raoul Gervais), TiLPS, Tilburg.
10/2014	4th René Descartes Lectures "Rational Belief. Stability, Reasoning and Action.", featuring Hannes Leitgeb (with Dominik Klein), Tilburg University.
10/2013	Workshop "Operationalizing Epistemic Concepts II" (with Vincenzo Crupi, Marco Ragni and Henrik Singmann), in the DFG Priority Program "New Frameworks of Rationality". Freiburg/Germany. Funded by the DFG and FRIAS.
04/2013	6th Munich-Sydney-Tilburg Conference "Models and Decisions" (with Mark Colyvan, Paul Griffiths, Stephan Hartmann, Kärin Nickelsen, Roland Poellinger and Olivier Roy), LMU Munich. Funded by the Alexander von Humboldt Foundation.
11/2012	3rd René Descartes Lectures "Social Progress", featuring Cristina Bicchieri (with Dominik Klein and Rogier De Langhe), Tilburg University.
09/2012	Workshop "Operationalizing Epistemic Concepts" (with Vincenzo Crupi and Henrik Singmann), in the DFG Priority Program "New Frameworks of Rationality". Aachen/Germany.
04/2012	5th Sydney-Tilburg conference "The Progress of Science" (with Mark Colyvan, Paul Griffiths and Stephan Hartmann), Tilburg University.
12/2011	Statistics and Scientific Method I: The Controversy about Hypothesis Testing (with David Teira), UNED Madrid.
04/2011	4th Sydney-Tilburg conference "The Authority of Science" (with Mark Colyvan, Paul Griffiths and Stephan Hartmann), Sydney University.
10/2010	2nd René Descartes Lectures, featuring Ian Hacking, and Workshop "Proof: Calculation, Intuition and A Priori Knowledge" (with Stephan Hartmann), Tilburg University.
10/2010	Third Bochum-Lausanne-Tilburg Graduate School on the Philosophy of Language, Mind and Science (conjoined with the Descartes Lectures), Tilburg University. Co-organized with Michael Esfeld, Stephan Hartmann, and Albert Newen. Funded by the German Academic Exchange Service (DAAD).
10/2010	Workshop "Objectivity and the Practice of Science" (with Filip Buekens), Tilburg University.
04/2010	3rd Sydney-Tilburg conference "The Future of Philosophy of Science" (with Mark Colyvan, Paul Griffiths and Stephan Hartmann), Tilburg University.

04/2010	Workshop "Scientific Philosophy: Past and Future" (with Stephan Hartmann and Hannes Leitgeb), Tilburg University.
03/2009	2nd Sydney-Tilburg conference "Evidence, Science and Public Policy" (with Mark Colyvan, Stephan Hartmann and James Justus), University of Sydney.
11/2008	Graduate School "The Philosophy of Psychology", jointly at Ruhr-Universität Bochum and Tilburg University (with Anika Fiebich, Stephan Hartmann and Albert Newen). Funded by the German Academic Exchange Service (DAAD).
10/2008	"London-Paris-Tilburg Workshop in Philosophy of Science" (with Stephan Hartmann and Carlo Martini), Tilburg University.
10/2008	"Formal Modeling in Social Epistemology" (with Stephan Hartmann and Carlo Martini), Tilburg University.

Program Committee Memberships

2016	*PSA16*. Biennal Meeting of the Philosophy of Science Association, Atalanta.
2016	*FEW16*. Formal Epistemology Workshop, Groningen.
2016	*GWP2016*. Tri-annual meeting of the Gesellschaft für Wissenschaftsphilosophie, Düsseldorf.
2015	*EPSA15*. Biennal Meeting of the European Philosophy of Science Association, Düsseldorf.
2015	*CLMPS15*. World Congress on Logic, Methodology and Philosophy of Science, Helsinki. Section Head of Formal Philosophy of Science.
2011	Conference *The Collective Dimension of Science*, Nancy.

Conferences where I was both among the organizers and the Program Committee members are not included in this list.

Collaboration in Research Networks

2016–	Flemish-Dutch Research Network funded by the Flemish Science Organization (FWO) under the direction of Erik Weber, Ghent University.

2015–2018	*Leverhulme Trust* grant for a research network in formal epistemology, led by Richard Pettigrew (University of Bristol). Collaborators: Carnegie Mellon University, University of Lund, LMU Munich, TiLPS. Volume: 40.000 €.
2010–2012	*NWO Internationalisation in the Humanities* "Rationality and Decision", led by Jan-Willem Romeijn and Olivier Roy (University of Groningen). Collaborators: London School of Economics, University of Lund, LMU Munich, TiLPS. Volume: 75.000 €.
2010–2012	*NWO Internationalisation in the Humanities* "Modeling in the Social and Behavioral Sciences", led by Stephan Hartmann (TiLPS). Collaborators: London School of Economics, Institut pour l'historie et philosophie des sciences et techniques (IHPST) Paris, LOGOS/Barcelona, University of Virginia. Volume: 75.000 €.
2009–2011	*NWO Internationalisation in the Humanities* "Formal Social Epistemology", led by Stephan Hartmann (TiLPS). Collaborators: UNED Madrid, University of Pennsylvania, University of Sydney. Volume: 75.000 €.

Valorization and Media Presence

- Interview with the Dutch newspaper "NRC Handelsblad", 9 April 2016. Available online at
  http://www.nrc.nl/handelsblad/2016/04/09/
  ons-zicht-op-de-werkelijkheid-wordt-verstoord-1605726

- Interview with the Dutch newspaper "Trouw", 10 January 2014.

- Entry on "The No Alternative Argument" in the Oxford University Press Blog.

  – Summary of the article "The No Alternative Argument" (written jointly with Richard Dawid and Stephan Hartmann) for a general audience interested in scientific and other intellectual issues.

- "There is No Alternative!". Feature in *The Guardian* by Michael Krämer, 4 May 2013.

  – Article featuring the scientific philosophy approach and the paper "The No Alternative Argument (see above). Available online at
  http://www.guardian.co.uk/science/life-and-physics/
  2013/may/04/no-alternative-bayes-penalties-philosophy-thatcher-merkel.

- Article on the Precautionary Principle in *Decision Point*, Volume 48 (April 2011).

- The Australian magazine "Decision point" facilitates communication between scientists, policy-makers and stakeholders in environmental issues.

- Grootste problemen van NL: Zorg, pensioen, EU, klimaat, migratie. (In Dutch.) De Groene Amsterdammer. 19 April 2011.

  - Reply to a request by the journal to describe the most over- and underrated problems in the Dutch society.

- Guest editor of the digest *The Reasoner*, Volume 4, No. 10 (October 2010).

  - Editorial on academic philosophy in Africa.

- Guest editor of the digest *The Reasoner*, Volume 3, No. 7 (July 2009).

  - Editorial and interview with Mark Colyvan on the interface between philosophy, science and public policy.

Administrative Experience

2018–	Executive Committee, Center for Logic, Language and Cognition (LLC), University of Turin.
2013–2016	Management Team, Department of Philosophy, Tilburg University.
2012–2014	Research Master Curriculum Committee, Department of Philosophy, Tilburg University.
2008–2010	Research Master Admission and Exam Committee, Department of Philosophy, Tilburg University.
2010–	Colloquium Doctum Committee, Faculty of Humanities, Tilburg University.
2009–	Various search and selection Committees for open PhD and postdoc positions, Faculty of Humanities, Tilburg University.
2008–	Coordination and direction of various activities at TiLPS, plus management of grants acquired by the director. Faculty of Humanities, Tilburg University.

	2009–	TiLPS Colloquium.
	2009–15	Research Seminar "Epistemology and Philosophy of Science"
	2010–12	NWO Internationalisation Grant "Modelling in the Social and Behavorial Sciences".

2009–11	NWO Internationalisation Grant "Formal Approaches to Social Epistemology".
2008–09	Research Seminar "Philosophy of Economics".

Refereeing for Journals and Publishers

Annals of Mathematics and Artificial Intelligence
Artificial Intelligence
Australasian Journal of Philosophy
British Journal for the Philosophy of Science
Cognition
Cognitive Science
dialectica
Episteme
Ergo
Erkenntnis
European Journal for Analytic Philosophy
European Journal for the Philosophy of Science
Foundations of Science
Frontiers Psychology
Grazer Philosophische Studien
International Studies in the Philosophy of Science
Journal for Logic and Computation
Journal of Philosophical Logic
Logic Journal of the IGPL
Mind
Philosophia Naturalis
Philosophical Quarterly
Philosophy of Science
Polish Journal of Philosophy
Public Choice
Review of Philosophy and Psychology
Review of Symbolic Logic
South African Journal of Philosophy
Studies in the History and Philosophy of Science
Studies in the History and Philosophy of Modern Physics
Synthese
Theoria (Spain/Basque Country)
Theoria (Sweden)
Theory and Decision
Theory and Psychology
topiCS

Several book proposals and edited volumes with leading publishers (Oxford University Press, Springer, etc.)

Evaluation of Research Proposals

German Research Foundation	(DFG)
European Research Council	(ERC)
Research Foundation Flanders	(FWO)
The Leverhulme Trust (UK)	
National Science Center Poland	
Netherlands Organisation for Scientific Research	(NWO)
Riksbanken Jubileumfonds (Sweden)	

LANGUAGE PROFICIENCY

German	native
English	fluent (C2)
Dutch	fluent (C2)
French	proficient (C1)
Italian	proficient (C1)
Serbian/Croatian	intermediate (B1)
Spanish	intermediate (B1)
Russian	basic (A2)

SELECTED CHESS ACHIEVEMENTS

2018	Award of the title of an International Grandmaster.
2017	Third Grandmaster Norm in the European Club Cup, Antalya, Turkey.
2016	Second Grandmaster Norm in the European Club Cup, Novi Sad, Serbia.
2014–2015	Top scorer in the highest Dutch Team Competition ("Meesterklasse"), sorted by number of total points and TPR.
2006–2008	Listed in the Top 500 of the World.
2002–2008	Active for German chess club Godesberger SK in the *Bundesliga* and *Zweite Bundesliga*.

- First Grandmaster Norm in the 2005/06 season. Individual games include a win against Alexej Shirov (long time #3 of the world).

2007	Winner of the Belgian team championship (with CRELEL Liège).
2002	Debut in the German Men's National Team.
2001	Award of the title of an International Master.

OVERVIEW OF PUBLICATIONS AND CITATION METRICS

Philosophy Journals: *Philosophical Review, Mind; Philosophy of Science* (x8); *British Journal for the Philosophy of Science* (x2); *European Journal for Philosophy of Science* (x3); *Synthese* (x3); *Erkenntnis* (x2).

Scientific and Interdisciplinary Journals: *Economics and Philosophy*; *Philosophy, Politics and Economics*; *Journal of the Royal Statistical Society, Series A, Frontiers in Psychology, Journal of Logic and Computation*; *Logic Journal of the IGPL*.

Other notable publication venues: *Stanford Encyclopedia of Philosophy*; *CogSci* Proceedings; diverse handbooks at Oxford University Press, SAGE and Routledge.

Total citations: 877 (as of October 1, 2019)

h-index: 15

i10-index: 23

BOOK PUBLICATIONS

(1) **Bayesian Philosophy of Science** (with Stephan Hartmann). Forthcoming with Oxford University Press, summer 2019.

- Research Monograph applying Bayesian inference to various topics in philosophy of science.

JOURNAL ARTICLES

(1) "Conditional Degrees of Belief and Bayesian Inference". Accepted for publication in *Philosophy of Science*.

- Proposes a suppositional analysis of conditional degree of belief and explores the implications for Bayesian inference with statistical models.

(2) "Estimating the Reproducibility of Experimental Philosophy" (lead author: Florian Cova, ca. 40 authors in total). Forthcoming in *Review of Philosophy and Psychology*.

- Replication project for a representative samples of papers in experimental philosophy.

(3) "Multiple Perspectives on Inference for Two Simple Statistical Scenarios" (with Noah van Dongen (lead author), Johnny van Doorn, Quentin Gronau, Don van Ravenzwaaij, Rink Hoekstra, Matthias Haucke, Daniël Lakens, Christian Hennig, Richard Morey, Saskia Homer, Andrew Gelman and Eric-Jan Wagenmakers (project leader)). *The American Statistician* 73: 328–339.

- Shows how exemplary datasets are analyzed by exponents of different statistical schools, and compares the conclusions they draw.

(4) "Foundations of a Probabilistic Theory of Causal Strength". *The Philosophical Review* 127: 371–398.2018.

- Axiomatic treatment and representation theorems for probabilistic measures of causal strength, with a normative argument for a particular measure.

(5) "The Objectivity of Subjective Bayesian Inference". *European Journal for Philosophy of Science* 8: 539–558. 2018.

- Argues that classifying subjective Bayesian inference as "non-objective" is based on an outdated image of objectivity that neglects recent philosophical progress.

(6) "Two Impossibility Results for Measures of Corroboration". *The British Journal for the Philosophy of Science* 69: 139–159. 2018.

- Motivates the need for a concept of corroboration in hypothesis testing that is distinct from evidential support, and demonstrates impossibility results for an explication along Popperian lines.

(7) "Statistical Reporting Inconsistencies in Experimental Philosophy" (with Matteo Colombo, Georgi Duev and Michèle B. Nuijten). *PLoS ONE* 13(4): e0194360. 2018.

- Investigates the rates of statistical reporting errors in experimental philosophy research and compares them to other behavioral disciplines.

(8) "Three Arguments for Absolute Outcome Measures" (with Jacob Stegenga). *Philosophy of Science* 84: 840–852. 2017.

- Argues on epistemic and decision-theoretic grounds against relative outcome measures in medicine (e.g., the Risk Ratio) and for absolute outcome measures (e.g., Absolute Risk Reduction).

(9) "Discussion: Beyond Subjective and Objective in Bayesian Statistics". *Journal of the Royal Statistical Society, Series A*, 180: 1119. 2017.

- Invited commentary on a paper by Andrew Gelman and Christian Hennig on objectivity in Bayesian inference in the same journal issue.

(10) "The Probabilistic No Miracles Argument". *European Journal for Philosophy of Science* 6: 173–189. 2016

- Gives an analysis of scope and limits of a probabilistic No Miracles Argument, focusing on a situation where scientific knowledge is stable over time.

(11) "A Novel Solution to the Problem of Old Evidence". *Philosophy of Science* 82: 383–401. 2015.

- Provides an elegant solution to the dynamic Problem of Old Evidence in the tradition of the approaches of Jeffrey and Earman, but with more plausible assumptions.

(12) "The No Alternative Argument" (with Richard Dawid and Stephan Hartmann). *The British Journal for the Philosophy of Science* 66: 213–234. 2015.

- Investigates scope and validity of the argument that scientists' failure to find an alternative to an existing theory constitutes evidence for that particular theory.

(13) "Modeling Expertise in Group Decisions" (with Dominik Klein). *Economics and Philosophy* 31: 3–25. 2015.

- Analysis under which circumstances a differential weighting of opinions is beneficial to group accuracy, compared to straight averaging.

(14) "Disagreement Under the Veil of Ignorance" (with Mark Colyvan, Chiara Lisciandra, Carlo Martini, Ryan Muldoon and Giacomo Sillari). *Philosophical Studies* 170: 377–394. 2014.

- Discusses whether rational disagreement can persist under the conditions of a Rawlsian veil of ignorance, and explores scope and limits of formal models that tackle this question.

(15) "The Predictive Mind and Chess-Playing. A Reply to Shand (2014)" (with Matteo Colombo). *Analysis* 74: 603–608. 2014.

- A short discussion piece of Shand's arguments about human cognition, put forward in the very same journal, with an application to chess-playing.

(16) "On the Emergence of Descriptive Norms" (with Ryan Muldoon, Chiara Lisciandra, Cristina Bicchieri, and Stephan Hartmann). *Philosophy, Politics and Economics* 13: 3–22. 2014.

- A probabilistic model for the emergence of descriptive norms, such as fashions or conventions. We study the impact of social sensitivity and extend the model in order to study more complex equilibria.

(17) "Testing a Precise Null Hypothesis: The Case of Lindley's Paradox". *Philosophy of Science* 80: 733–744. 2013.

- An analysis of Lindley's Paradox and the rationale behind point null significance testing with the help of Bernardo's reference prior approach.

(18) "A Synthesis of Hempelian and Hypothetico-Deductive Confirmation". *Erkenntnis* 78: 727–738. 2013.

- Synthesizes two different and allegedly opposed research programs in confirmation theory by means of a particular logical tool.

(19) "Bias and Conditioning in Sequential Medical Trials (with Cecilia Nardini)". *Philosophy of Science* 80: 1053-1064. 2013.

- A suggestion to improve the practice of clinical trials by adopting a particular statistical framework: conditional frequentist reasoning, a compromise between Bayesian and frequentist methods.

(20) "Convergence of Opinion through Mutual Respect: Scope and Limits" (with Mark Colyvan and Carlo Martini). *Erkenntnis* 78: 881–898. 2013.

- Explores the rationality of consensus procedures that are based on the group members' mutual respect for each other, with application to factual and value-related disagreements.

(21) "The Role of Bayesian Philosophy within Bayesian Model Selection". *European Journal for the Philosophy of Science* 3, 101–114. 2013.

- An analysis of how much Bayesian reasoning there actually is in model selection procedures that are commonly classified as "Bayesian".

(22) "Environmental Risk Analysis: Robustness is Essential for Precaution". *Philosophy of Science* 79: 881–892. 2012.

- An analysis of what the Precautionary Principle implies for environmental risk analysis based on scientific models, with applications to risk assessment.

(23) "Judgment Aggregation and the Problem of Tracking the Truth" (with Stephan Hartmann). *Synthese* 187: 209–221. 2012.

- Conducts an epistemic analysis of judgment aggregation procedures that aim not only at a correct decision, but also at the right *reasons* for that decision.

(24) "The Renegade Subjectivist: Jose Bernardo's Reference Bayesianism". *Rationality, Markets and Morality* 3: 1–13. Special Issue "Statistical Science and Philosophy of Science: Where Do (Should) They Meet in 2011 and Beyond?", edited by D. Mayo, A. Spanos and K. Staley. 2012.

- A critical, but sympathetic comment on Bernardo's reference Bayesianism from a philosophical point of view.

(25) "The Bounded Strength of Weak Expectations" (with Remco Heesen). *Mind* 120: 819–832. 2011.

- Explores the scope of the "weak expectations" approach by Easwaran (2008, Mind): they do not have normative force by themselves, but they are the intersubjective consensus value in a bounded utility framework.

(26) "Science without (Parametric) Models: The Case of Bootstrap Resampling". *Synthese* 180: 65–76. 2011.

- A case study on data-driven inference in statistics and the interplay of top-down and bottom-up modeling, conducted with the help of bootstrap resampling techniques.

(27) "The Logic of Explanatory Power" (with Jonah Schupbach). *Philosophy of Science* 78: 105–127. 2011.

- Sets up and defends a specific measure of explanatory power from axiomatic considerations, and vindicates the normative pull of explanatory considerations.

(28) "The Weight of Competence Under a Realistic Loss Function" (with Stephan Hartmann). *The Logic Journal of the IGPL* 20: 603–617. 2010.

- Argues for a more realistic loss function in information pooling problems, and determines the optimal relative weights of individual contributions, dependent on the competence of the sources.

(29) "Reliable Methods of Judgment Aggregation" (with Stephan Hartmann and Gabriella Pigozzi). *Journal for Logic and Computation* 20: 603–617. 2010.

- Combines analytical methods and numerical simulations in order to compare the epistemic value of various judgment aggregation procedures.

(30) "Probability, Rational Single-Case Decisions and the Monty Hall Problem". *Synthese* 174: 331–340. 2010.

- Rebuts an argument by Baumann against the standard solution of the Monty Hall Problem, and defends the normative force of probabilistic arguments in single cases.

(31) "Evidence and Experimental Design in Sequential Trials". *Philosophy of Science* 76: 637–649. 2009.

- Defends the Bayesian position on the post-experimental irrelevance of experimental design and stopping rules, both from a methodological and a decision-theoretic perspective.

(32) "Statistics between Inductive Logic and Empirical Science". *Journal of Applied Logic* 7: 239–250. 2009.

- Argues that the "inductive logic" understanding of statistics is misplaced: in actual practice, statistics more and more resembles an empirical science than a branch of mathematics.

(33) "Consensual Decision-Making Among Epistemic Peers" (with Stephan Hartmann and Carlo Martini). *Episteme* 6: 110–129. 2009.

- Generalizes Elga's notion of an epistemic peer, and shows under which conditions networks of epistemic peers will achieve consensus on their opinions.

BOOK CONTRIBUTIONS AND ENCYCLOPEDIA ENTRIES

(1) "Opinion Aggregation and Individual Expertise" (with Carlo Martini), in Thomas Boyer-Kassem, Conor Mayo-Wilson and Michael Weisberg (eds.): *Scientific Collaboration and Collective Knowledge*, 180–201. New York: Oxford University Press.

- An overview on probability and judgment aggregation methods, with a focus on the role of experts and differential weighting procedures.

(2) "Confirmation and Induction", in Paul Humphreys (ed.): *Oxford Handbook of the Philosophy of Science*. Oxford: Oxford University Press, 185–209. 2016.

- An overview article on confirmation theory, both from a qualitative and a probabilistic/statistical angle.

(3) "Bayesian vs. Frequentist Statistics", in Alan Hájek and Christopher Hitchcock (eds.) *The Oxford Handbook of Probability and Philosophy*. Oxford: Oxford University Press, 382–405. 2016.

- A handbook article that contrasts Bayesian and frequentist approaches to statistical inference, with particular attention to hypothesis testing.

(4) "Bayésianisme versus fréquentisme en inférence statistique", in Isabelle Drouet (ed.): *Les méthodes bayésiennes, sciences et épistémologie*, 167–192. Paris: Editions matériologiques.

- An abbreviated version of the above article, in French.

(5) "Scientific Objectivity" (with Julian Reiss). *Stanford Encyclopedia of Philosophy*, Fall 2014 edition.

- An encyclopedia entry covering different aspects of objectivity in science.

(6) "The Ethics of Statistical Testing (with David Teira), in Christoph Luetge (ed.): *Handbook of the Philosophical Foundations of Business Ethics*, 1535–1549. Berlin: Springer. 2013.

- A handbook article on methodology and ethical issues in statistical hypothesis testing.

(7) "Mathematics and Statistics in the Social Sciences" (with Stephan Hartmann), in Ian C. Jarvie and Jesús Zamora Bonilla (eds.): *SAGE Handbook of Philosophy of Social Sciences*, 594–612. London: SAGE. 2011.

- Gives an overview of the development of mathematical and statistical modeling in the social sciences, with special attention on methodological problems.

(8) "Hypothetico-Deductive Confirmation". *Philosophy Compass* 6: 497–508. 2011.

- A positioned overview of the history and current state of hypothetico-deductive confirmation.

(9) "Hempel and the Paradoxes of Confirmation", in: Dov Gabbay, Stephan Hartmann and John Woods (eds.): *Handbook of the History of Logic, Volume 10 (Inductive Logic)*, 231-260. London: Elsevier. 2010.

- A handbook article that connects Hempel's writings on confirmation with modern, probabilistic approaches to the paradox of the ravens.

(10) "Bayesian Epistemology" (with Stephan Hartmann), in Sven Bernecker and Duncan Pritchard (eds.): *The Routledge Companion to Epistemology*, 609–620. London: Routledge. 2010.

- An introduction to Bayesian epistemology that explains the principles of probabilistic modeling and presents some applications, such as formal accounts of coherence and confirmation.

CONFERENCE PROCEEDINGS

(1) "Explanatory Value, Probability and Abductive Inference" (with Matteo Colombo and Marie Postma-Nilsenová). *Proceedings of the 38th Annual Meeting of the Cognitive Science Society* (CogSci 2016), Philadelphia/PA: Cognitive Science Society.

- An explorative study about psychological assocations between explanatory power and other cognitive values.

(2) "The Learnability of Auditory Center-embedded Recursion" (with Jun Lai and Emiel Krahmer). In D.C. Noelle et al. (eds.), *Proceedings of the 37th Annual Meeting of the Cognitive Science Society (CogSci 2015)*, 1237–1243. Austin, TX: Cognitive Science Society.

- Extends the article listed below in the direction of learning recursive structures in the auditory modality.

(3) "Studying Frequency Effects in Learning Center-embedded Recursion" (with Jun Lai and Emiel Krahmer). In P. Bello et al. (eds.), *Proceedings of the 36th Annual Meeting of the Cognitive Science Society (CogSci 2014)*, 797–802. Austin, TX: Cognitive Science Society.

- Short article about the learning of recursive structures in an artifical grammar paradigm, comparing various modalities for presentation of the input.

(4) "Discussion: Integrated Objective Bayesian Estimation and Hypothesis Testing" (by José M. Bernardo), in José M. Bernardo et al. (eds.): *Bayesian Statistics 9: Proceedings of the Ninth Valencia International Meeting*, 47–48. Oxford: Oxford University Press. 2012.

- A short discussion contribution on José Bernardo's reference prior approach to hypothesis testing and parameter estimation.

(5) "Statistical Inference without Frequentist Justifications", in Mauricio Súarez, Mauro Dorato and Miklós Rédei (eds.): *EPSA Epistemology and Methodology of Science: Launch of the European Philosophy of Science Association*, Vol. I, 289–297. Berlin: Springer. 2010.

- Develops an anti-metaphysical conception of probability which is able to account for the use of probabilistic inference in statistical modeling.

Editorial Activities

(1) Guest editor of a special issue of *Synthese* (with Mark Colyvan, Paul Griffiths, Stephan Hartmann, Matteo Colombo, and Raoul Gervais): "Objectivity in Science".

- The peer-reviewed proceedings of the 7th Munich-Sydney-Tilburg conference, Tilburg, June 2015.

(2) Guest editor of a special issue of *Studies in History and Philosophy of Science* (with Rogier De Langhe and Stephan Hartmann): "Progress in Science".

- The peer-reviewed proceedings of the 5th Sydney-Tilburg conference, Tilburg, April 2012.

(3) Guest editor of a special issue of *Synthese* (with Cyrille Imbert, Ryan Muldoon, and Kevin Zollman): "The Collective Dimension of Science".

- The peer-reviewed proceedings of the conference "The Collective Dimension of Science", Nancy, December 2011.

(4) Guest editor of a special issue of *The European Journal for Philosophy of Science* (with Stephan Hartmann): "The Future of Philosophy of Science". Vol. 2, No. 2. 2012.

- The peer-reviewed proceedings of the 3rd Sydney-Tilburg conference. Tilburg, April 2010.

(5) Guest editor of a special issue of *The Logic Journal of the IGPL* (with Stephan Hartmann and Carlo Martini): "Formal Modeling in Social Epistemology". Vol. 18, No. 2. 2010.

- The peer-reviewed proceedings of a workshop on formal modeling in social epistemology. Tilburg, October 2008.

Book Reviews

(1) "A unifying framework for probabilistic reasoning". Review of R. Haenni, J.W. Romeijn, G. Wheeler and J. Williamson: "Probabilistic Logic and Probabilistic Networks", Springer: Berlin, 2011. *Metascience* 21: 459–462. 2012.