Curriculum Vitae

Stephan Hartmann

CONTACT DETAILS

Address: Munich Center for Mathematical Philosophy, LMU Munich, Geschwister-Scholl-Platz 1, 80539 Munich, Germany
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CURRENT ACADEMIC POSITIONS

Dean, Faculty of Philosophy, Philosophy of Science and the Study of Religion, LMU Munich

Chair of Philosophy of Science, Faculty of Philosophy, Philosophy of Science and the Study of Religion, LMU Munich

Co-Director, Munich Center for Mathematical Philosophy, LMU Munich

Secondary appointment in the Faculty of Psychology and Educational Sciences, LMU Munich

Regular Member, Munich Center for Neurosciences, LMU Munich

Regular Member, Center for Advanced Studies, LMU Munich

Associate Member, Arnold Sommerfeld Center for Theoretical Physics, LMU Munich

UNIVERSITY EDUCATION

Ph.D. (Philosophy): Justus Liebig University Giessen, Germany (1995)

M.A. (*Magister Artium*, Philosophy): Justus Liebig University Giessen, Germany (1991)

M.Sc. (*Diplom*, Physics): Justus Liebig University Giessen, Germany (1991)

B.A. (*Zwischenprüfung*, Philosophy): Justus Liebig University Giessen, Germany (1989)

B.Sc. (*Vordiplom*, Physics): Justus Liebig University Giessen, Germany (1989)

AREAS OF SPECIALIZATION

Philosophy of science, philosophy of physics, formal epistemology, social epistemology, Bayesian cognitive science

AREAS OF COMPETENCE

Philosophy of social science, philosophy of psychology, political philosophy

ACADEMIC WORK EXPERIENCE

Senior Researcher in Residence, Center for Advanced Studies, LMU Munich (10/2016–9/2017)

Visiting Professor, Department of Philosophy, Tilburg University, The Netherlands (10/2012–09/2015)

Visiting Professor, Department of Philosophy, Lund University, Sweden (12/2010–6/2011)

Honorary Visiting Professor, Sydney Centre for the Foundations of Science, University of Sydney, Australia (10/2009–09/2020)

Chair in Epistemology and Philosophy of Science, Department of Philosophy, Tilburg University, The Netherlands (5/2007–9/2012)

Director, Center for Logic and Philosophy of Science, Tilburg University, The Netherlands (5/2007–9/2012)

Professor of Philosophy, Department of Philosophy, Logic and Scientific Method, London School of Economics and Political Science (8/2006–4/2007)

Visiting Professor, Department of Logic and Philosophy of Science, University of California, Irvine (Winter Quarter 2006)

Reader, Department of Philosophy, Logic and Scientific Method, London School of Economics and Political Science (10/2005–7/2006)

Director, Centre for Philosophy of Natural and Social Science, London School of Economics and Political Science (9/2004–7/2006)

Director, Research Group "Philosophy, Probability and Modeling", Center for Junior Research Fellows, University of Konstanz (9/2002–8/2005)

Lecturer, Department of Philosophy, Logic and Scientific Method, London School of Economics and Political Science (9/2003–9/2005; tenure granted 2/2005)

Assistant Professor in Philosophy, University of Konstanz (1998–2003)

Fellow, Center for Philosophy of Science, University of Pittsburgh (2000–2001)

Research Assistant, Department of Physics, LMU Munich (1996–1998)

Lecturer in Philosophy, Justus Liebig University Giessen (1997–1998)

Lecturer in Philosophy, University of Konstanz (1996–1998)

Visiting Scholar, Department of Physics, University of Washington (1991–1992)

Research Assistant, Department of Physics, Justus Liebig University Giessen (1989–1991)

Research Assistant, Center for Philosophy and the Foundations of Science, Justus Liebig University Giessen (1989–1991)

AWARDS

1. Corresponding member of the Académie Internationale de Philosophie des Sciences (since 2023)
2. Henriette-Herz-Scout of the Alexander-von-Humboldt-Foundation (since 2021)
3. Member of the Foundational Questions Institute (FQXi) (since 2020)
4. Member of the Bavarian Academy of Sciences and Humanities (since 2019)
5. Member of the German Academy of Sciences Leopoldina (since 2016)
6. Alexander von Humboldt Professorship, Alexander von Humboldt-Foundation, Germany (2012–2017; 3.500.000 €)
7. Award of the *Stifterverband für die Deutsche Wissenschaft* (1992)
8. Award of the *Heraeus Foundation* (1991)

GRANTS

1. Grant from the *German Research Foundation* (DFG) for the research project "Procedural Anchors: How Communication Order Shapes Disinformation." The project is part of the DFG Priority Programme "Rethinking Disinformation (Re:DIS) (SPP 2573)". (2026–2029; 358.497 €)
2. Grant from the *Akademienunion* for the long-term project "Rudolf Carnap Digital. Erarbeitung des Gesamtwerks in den Kontexten der Moderne: Wiener Kreis, Formale Philosophie, Emigration, Kalter Krieg" (with Hannes Leitgeb and Eckhart Arnold) (2026–2051)
3. Grant from the *German Research Foundation* (DFG) for the research project "Argumentation in a Social Context" (2024–2027; 532.909 €)
4. Grant from the *Arts and Humanities Research Council* (AHRC) of the UK Research and Innovation (UKRI) and the *German Research Foundation* (DFG) for a UK-German Collaborative Research Project in the Arts and Humanities on "Amalgamating Evidence About Causes: Medicine, the Medical Sciences, and Beyond" (with Jacob Stegenga, Cambridge) (2023–2025; 423.279 €)
5. Grant from the *LMU-NYU Strategic Partnership* for the project "Towards a Mathematical Philosophy of Consciousness" (2023; 31.432 €)
6. Grant from the *Cambridge-LMU Strategic Partnership* for the project "Decision Theory and the Future of Artificial Intelligence" (with Jacob Stegenga) (2022–2024; 30.000 €)
7. Grant from the *Arts and Humanities Research Council* (AHRC) of the UK Research and Innovation (UKRI) and the *German Research Foundation* (DFG) for a UK-German Collaborative Research Project in the Arts and Humanities on "The Universe as an Open System" (with Karim Thébault, Bristol) (2021; 226.550 €)

8. Grant from the *German Research Foundation* (DFG) for the research project "The Bayesian Approach to Robust Argumentation Machines". The project is part of the DFG Priority Programme "Robust Argumentation Machines" (2021–2024; 486.740 €)

9. Grant from the *Arts and Humanities Research Council* (AHRC) of the UK Research and Innovation (UKRI) and the *German Research Foundation* (DFG) for a UK-German Collaborative Research Project in the Arts and Humanities on "Normative vs. Descriptive Accounts in the Philosophy and Psychology of Reasoning and Argumentation: Tension or Productive Interplay?" (with Ulrike Hahn, Birkbeck) (2020; 224.600 €)

10. Grant from the *LMU-NYU Strategic Partnership* for the project "Towards a Mathematical Philosophy of Consciousness" (2020; 18.300 €)

11. Grant from the *Cambridge-LMU Strategic Partnership* for the project "Decision Theory and the Future of Artificial Intelligence" (with Huw Price) (2020–2023; 17.044 €)

12. FQXi Large Grant ("Intelligence in the Physical World") for the project "The Epistemic Nature of Physical Laws: From Intelligent Agents to Quantum Gravity and Cosmology" (with Daniele Oriti) (2019–2021; 177.100 €)

13. Grant from the *Cambridge-LMU Strategic Partnership* for the project "Decision Theory and the Future of Artificial Intelligence" (with Huw Price) (2018; 15.840 €)

14. Grant from the *VolkswagenStiftung* for the "2^{nd} International Rationality Summer Institute" at Kloster Irsee, Germany (2018; 116.000 €)

15. Grant from the *German Research Foundation* (DFG) for the research project "Inferentialism, Bayesianism and Scientific Explanation". (2015–2018; 300.450 €)

16. Grant from the *Investitionsfonds program (Zukunftskonzept LMUexellent)* for the research project "Decisions, Groups and Networks" (2015; 49.950 €)

17. Grant from the *German Research Foundation* (DFG) for the research project "The Evolution of Unpopular Norms" (with Conor Mayo-Wilson). The project was part of the DFG Priority Programme "New Frameworks of Rationality" (2014–2017; 151.400 €)

18. Grant from the *German Research Foundation* (DFG) for the conference "Foundations of Physics" at LMU Munich (2013; 15.156 €)

19. Grant from the *German Research Foundation* (DFG) for the research project "Explanatory Reasoning: Normative and Empirical Considerations". The project was part of the DFG Priority Programme "New Frameworks of Rationality" (2011–2013; 218.359 €)

20. Internationalization grant from the *Netherlands Organisation for Scientific Research* (NWO) for the research project *Modeling in the Social and Behavioral Sciences*. This was a joint project with José Díaz (Barcelona), Jacques Dubucs (IHPST Paris), Roman Frigg (LSE) and Paul Humphreys (Virginia) (2010–2012; 65,000 €).

21. Internationalization grant from the *Netherlands Organisation for Scientific Research* (NWO) for the research project *Formal Approaches to Social Epistemology*. This was a joint project with Cristina Bicchieri (Philadelphia), Mark Colyvan (Sydney) and Jesús Zamora (Madrid) (2009–2011; 75.000 €)

22. Research Networking Programme grant from the European Science Foundation (ESF) for the project *The Philosophy of Science in a European Perspective*. This is a major project which is chaired by Maria-Carla Galavotti. (2008–2013; 500.000 €)

23. Collaborator in the project "Idealizations, Singularities and the Applicability of Mathematics", supported by the *Social Sciences and Humanities Research Council of Canada* with Robert Batterman (University of Western Ontario) as Principle Investigator (2008–2011; 50.000 €)

24. Grant from the *Evert Willem Beth Foundation* for the conference "Models and Simulations 2" at Tilburg University (2007; 1.000 €)

25. Grant from the *Mind Association* for the conference "Confirmation, Induction and Science" at the London School of Economics (2007; 1.000 €)

26. Grant from the *British Society for the Philosophy of Science* for the conference "Confirmation, Induction and Science" at the London School of Economics (2007; 500 €)

27. Grant from the *Royal Society* (Biennial Meeting of the Philosophy of Science Association in Vancouver, Canada) (2006; 1.500 €)

28. Grant from the *VolkswagenStiftung* for the conference "Being Bayesian in a Quantum World" and the International Summer School "Philosophy, Probability and Physics" at the University of Konstanz (2005; 75.000 €)

29. Grant from the *Gesellschaft für Analytische Philosophie* for the International Summer School "Philosophy, Probability and Physics" at the University of Konstanz (2005; 2.000 €)

30. Grant from the *Arts and Humanities Research Council* (UK) for the research project "Contingency and Dissent in Science" (with Nancy Cartwright) (2005–08; 350.000 €)

31. Grant from the *British Society for the Philosophy of Science* for the conference "Probability in Quantum Mechanics" at the LSE (2004; 500 €)

32. Grant from the *Gesellschaft für Analytische Philosophie* for the International Summer School "Causality, Uncertainty and Ignorance" at the University of Konstanz (2004; 2.000 €)

33. Grant from the *Thyssen Foundation* for the International Summer School "Philosophy, Probability and the Special Sciences" at the University of Konstanz (2003; 8.000 €)

34. Travel grant from the *German Research Foundation* (Annual Philosophy of Science Conference in Dubrovnik, Croatia) (2002; 1.000 €)

35. Grant from the *Thyssen Foundation* for the workshop "Nancy Cartwright's Philosophy of Science" at the University of Konstanz (2002; 12.000 €)

36. Collaborator in the project "Bayesian Networks in Philosophy of Science and Epistemology", supported by the *National Science Foundation*, division *Science and Technology Studies*, with Luc Bovens (University of Colorado at Boulder) as Principal Investigator (Grant No. 0080580) (2000–2001; 30.000 €)

37. Travel grant from the *German Research Foundation* (Computing and Philosophy conference in Pittsburgh, PA) (2000; 1.000 €)

38. Grant from the *TransCoop Program* of the *Alexander von Humboldt Foundation* for the project "Bayesian Networks in Philosophy" (with Luc Bovens) (2000–02; 35.000 €)

39. Travel grant from the *German Research Foundation* (*Logic, Methodology and Philosophy of Science* conference in Cracow, Poland) (1999; 1.000 €)

EDITORIAL BOARDS

1. Philosophy of Physics (since 2021)

2. Philosophisches Jahrbuch (since 2015)

3. European Studies in Philosophy of Science (since 2013)

4. Theory and Decision Library A: Philosophy and Methodology of the Social Sciences (since 2012)

5. Stanford Encyclopedia of Philosophy (since 2011)

6. Minds & Machines (since 2011)

7. Philosophy of Science (since 2009)

8. European Journal for the Philosophy of Science (2009–17)

9. Philosophy Compass (since 2006)

10. Epistemic Studies: Philosophy of Science, Cognition and Mind (since 2001; with Michael Esfeld and Albert Newen; 51 volumes published so far, 34 of them under the series name Epistemsche Studien/Epistemic Studies)

SCHOLARSHIPS

1. Visiting Fellowship at the University of California, Irvine (2006)
2. Feodor Lynen Research Fellowship of the *Alexander von Humboldt Foundation* (2000–2001)
3. Scholarship of the *Cusanus Foundation* (1996–1998)
4. Scholarship of the *German Academic Exchange Service* (1991–1992)
5. Scholarship of the *German Academic Scholarship Foundation* (*Studienstiftung des deutschen Volkes*) (1989–1991)

UNIVERSITY ADMINISTRATION SERVICE

1. Dean of the Faculty for Philosophy, Philosophy of Science and the Study of Religion, LMU Munich (10/2023–09/2025)
2. Member of the Advisory Board, Open Science Center, LMU Munich (since 10/2023)
3. Member of the Faculty Council ("Fakultätsrat"), LMU Munich (12/2016–09/2017, 10/2019–09/2023)
4. Organizer of the Philosophical Colloquium "Philosophy, Science and Society", LMU Munich (with Alexander Reutlinger) (winter semester 2015/16)
5. Scientific Board Member, Munich Center for Neurosciences, LMU Munich (2012–2016)
6. Chair of the *Undergraduate Exam Subboard*, Department of Philosophy, London School of Economics (2004–2005)
7. Organizer of the *Popper Seminars*, Department of Philosophy, London School of Economics (2003–2007)
8. Organizer of the Departmental *Cumberland Lodge Weekend Retreat* in Windsor, London School of Economics (2004–2006)
9. Member of the *Library User Committee*, London School of Economics (2003–2007)
10. Member of the Directing Board of the *Center for Junior Research Fellows*, University of Konstanz (2002–2003)
11. Representative in the Directing Board of the *School of the Humanities*, University of Konstanz (1999–2000)
12. Representative in the Directing Board of the *Department of Philosophy*, University of Konstanz (1999–2000)

ORGANIZATION OF CONFERENCES

1. Member of the Program Committee of the conference "PSA26", San Diego, USA (November 2026)

2. Member of the Program Committee of the conference "FEW 2026", University of Colorado Boulder, USA (June 2026)

3. Organizer of the workshop "The Epistemology of Medicine", Carl Friedrich von Siemens Stiftung, Munich (with Jürgen Landes) (June 2026)

4. Organizer of the workshop "Reduction and Emergence in Physics and Cosmology", Center for Advanced Studies, LMU Munich (May 2025)

5. Member of the Program Committee of the conference "EPSA25", Groningen, The Netherlands (August 2025)

6. Organizer of the workshop "How Should We Reason? Philosophical and Psychological Perspectives" at LMU Munich (with Ulrike Hahn and Borut Trpin) (October 2023)

7. Member of the Program Committee of the conference "EPSA23", Belgrade, Serbia (September 2023)

8. Organizer of the "Symposion zum 100. Geburtstag von Wolfgang Stegmüller" at LMU Munich (with Julian Nida-Rümelin und Wolfgang Spohn) (June 2023)

9. Organizer of the conference "Epistemic Justification: Formal Epistemology Meets Mainstream Epistemology" at LMU Munich (with Borut Trpin) (March 2023)

10. Organizer of the "GAP-Doktorandenworkshop Mathematische Philosophie 2019" at LMU Munich (with Hannes Leitgeb and others) (October 2019)

11. Organizer of the "Third Workshop on Decision Theory & the Future of Artificial Intelligence" at the Australian National University (ANU) in Canberra, Australia (with Alan Hájek, Seth Lazar, Yang Liu, Huw Price) (August 2019)

12. Member of the Program Committee of the conference "Bayes by the Sea: Formal Epistemology, Statistics, and Game Theory" at the Università Politecnica delle Marche, Ancona, Italy (August 2019)

13. Organizer of the 12^{th} MuST (Munich-Sydney-Turin) Conference in Philosophy of Science and the Third Workshop *Perspectives on Scientific Error* on "Statistical Reasoning and Scientific Error" at LMU Munich (with Mark Colyvan, Paul Griffiths, Barbara Osimani, Jan Sprenger and others) (June 2019)

14. Organizer of the conference "Biases in Science" at LMU Munich (with Lorenzo Casini, Dunja Šešelja and Marcel Weber) (April 2019)

15. Organizer of the "2^{nd} International Rationality Summer Institute" at Kloster Irsee, Germany (with Jean Baccelli and Reuben Stern) (September 2018)

16. Organizer of the "Second Workshop on Decision Theory & the Future of Artificial Intelligence" at LMU Munich (with Yang Liu, Huw Price and Reuben Stern) (July 2018)

17. Organizer of the conference "MuST11: Models of Explanation" at the University of Turin, Italy (with Mark Colyvan, Vincenzo Crupi, Paul Griffiths, and Jan Sprenger) (June 2018)

18. Organizer of the workshop "Explanatory Power" at the University of Geneva, Switzerland (with Lorenzo Casini, Reuben Stern and Marcel Weber) (June 2018)

19. Organizer of the UAH-MCMP Workshop "Multiple Realizability, Causation and Reductive Explanations in Science", Valparaiso, Chile (with Patricia Palacios and Francisco Pereira) (March 2018)

20. Organizer of the workshop "Explanation and Reduction in the Sciences (= The Third Jerusalem-MCMP Workshop in the Philosophy of Science)" at the Hebrew University of Jerusalem, Jerusalem, Israel (with Alexander Reutlinger and Orly Shenker) (February 2018)

21. Organizer of the "9^{th} European Congress of Analytic Philosophy (ECAP9)" at LMU Munich (September 2017)

22. Organizer of the "First Workshop on Decision Theory & the Future of Artificial Intelligence" at the University of Cambridge, UK (with Yang Liu and Huw Price) (July 2017)

23. Organizer of the conference "MuST10: Causation and Complexity" at the University of Sydney, Australia (with Mark Colyvan, Paul Griffiths, Mikhail Prokopenko, and Jan Sprenger) (March 2017)

24. Organizer of the workshop "Explanatory Reasoning in the Sciences" (with Orly Shenker and Alexander Reutlinger) at LMU Munich (February 2017)

25. Organizer of the workshop "Learning Conditionals" at LMU Munich (with Karolina Krzyźanowska) (February 2017)

26. Organizer of the workshop "Inferentialism, Bayesianism, and Scientific Explanation" at LMU Munich (with Lorenzo Casini, Reuben Stern and Marcel Weber) (January 2017)

27. Organizer of the workshop "Reasoning in Physics" at LMU Munich (with Ben Eva) (December 2016)

28. Organizer of the 4^{th} *International Summer School in Philosophy of Physics: Understanding Quantum Physics: The Meaning of the Wavefunction*, in Lenzkirch-Saig, Germany (with Claus Beisbart, Dirk-André Deckert, Detlef Dürr, Michael Esfeld, and Christian Wüthrich) (July 2016).

29. Organizer of the workshop "Probabilities in Science and Philosophy" (= The First Jerusalem-MCMP Workshop in the Philosophy of Science) at the Hebrew University of Jerusalem, Jerusalem, Israel (with Orly Shenker) (May 2016).

30. Organizer of the conference "MuST 9: Evidence, Inference, and Risk" at LMU Munich (with Mark Colyvan, Paul Griffiths, Barbara Osimani, and Jan Sprenger) (March 2016).

31. Organizer of the event "What Do You Want to Do With That? Answers from Philosophers from Outside the Academy" at LMU Munich (with Gregory Wheeler) (October 2015).

32. Organizer of the symposium "Remembering Patrick Suppes" at LMU Munich (September 2015).

33. Organizer of the 3^{rd} *International Summer School in Philosophy of Physics: The Ontology of Physics*, in Lenzkirch-Saig, Germany (with Claus Beisbart, Detlef Dïr, Michael Esfeld, and Christian Wẗhrich) (July 2015)

34. Organizer of the conference "MuST 8: Objectivity in Science" at Tilburg University, The Netherlands (with Matteo Colombo, Mark Colyvan, Raoul Gervais, Paul Griffiths, and Jan Sprenger) (June 2015)

35. Organizer of the conference "Causal and Probabilistic Reasoning" at LMU Munich (with Karolina Krzyanowska, Michael Waldmann, and Gregory Wheeler) (June 2015)

36. Organizer of the conference "Agent-Based Modeling in Philosophy" at LMU Munich (with Lee Elkin, Conor Mayo-Wilson, and Gregory Wheeler) (December 2014)

37. Organizer of the conference "Explanation Beyond Causation" at LMU Munich (with Alexander Reutlinger) (October 2014)

38. Organizer of the conference "Decisions, Groups and Networks" at LMU Munich (with Catherine Herfeld and Paul Thurner) (September 2014)

39. Organizer of the Summer School "Mathematical Philosophy for Female Students" at LMU Munich, Germany (with Catherine Herfeld and Hannes Leitgeb) (July 2014)

40. Organizer of the 2^{nd} *International Summer School in Philosophy of Physics: Probabilities in Physics*, in Lenzkirch-Saig, Germany (with Claus Beisbart, Detlef Dürr, Michael Esfeld, Radin Dardashti, and Christian Wüthrich) (July 2014)

41. Organizer of the conference "Imprecise Probabilities in Statistics and Philosophy" at LMU Munich (with Thomas Augustin, Seamus Bradley, Marco Cattaneo, and Roland Poellinger), June 2014

42. Member of the Program Committee of the conference "Models and Simulations 6" at the University of Notre Dame, IN, USA (May 2014)

43. Organizer of the conference "Evolutionary Thinking" at the University of Sydney, Australia (with Mark Colyvan, Paul Griffiths, and Jan Sprenger) (April 2014)

44. Organizer of the conference "Reduction and Emergence in the Sciences" at LMU Munich (with Sebastian Lutz and Karim Thébault) (November 2013)

45. Member of the Program Committee of the conference "EPSA13" in Helsinki, Finland (August 2013)

46. Organizer of the 1^{st} *International Summer School in Philosophy of Physics: Physics and Philosophy of Time* in Lenzkirch-Saig, Germany (with Detlef Dürr, Michael Esfeld, and Christian Wüthrich) (July 2013)

47. Organizer of the workshop "Reduction and Emergence in Physics" at LMU Munich (with Sebastian Lutz and Karim Thébault) (June 2013)

48. Organizer of the symposium "Wolfgang Stegmüller und die Rückkehr der analytischen Philosophie" at LMU Munich (with Hannes Leitgeb und Julian Nida-Rümelin) (June 2013)

49. Organizer of the 17th UK and European Meeting on the Foundations of Physics at LMU Munich (with Detlef Dürr, Mathias Frisch, and Christian Joas) (July 2013)

50. Organizer of the conference "Models and Decisions" at LMU Munich (with Mark Colyvan, Paul Griffiths, Kärin Nickelsen, Roland Pöllinger, Olivier Roy, and Jan Sprenger) (April 2013)

51. Member of the Program Committee of the conference "PSA 2012" in San Diego, USA (November 2012)

52. Member of the Program Committee of the conference "Models and Simulations 5" at the University of Helsinki, Finland (June 2012)

53. Organizer of the conference "Democracy, Legality and Policy" at Tilburg University (with Hans Lindahl and Alan Thomas) (May 2012)

54. Organizer of the conference "The Progress of Science" at Tilburg University (with Mark Colyvan, Paul Griffiths, and Jan Sprenger) (April 2012)

55. Organizer of the First Pittsburgh-Tilburg workshop on "Formal Epistemology Meets Experimental Philosophy" at Tilburg University (with Chiara Lisciandra and Edouard Machery (September 2011)

56. Organizer of the ESF workshop "Philosophy of Computer Science and Artificial Intelligence", Ponta Delgada, The Azores Islands, Portugal (with Dennis Dieks and Greg Wheeler) (September 2011)

57. Organizer of the conference "The Authority of Science" at the University of Sydney (with Mark Colyvan, Paul Griffiths, and Jan Sprenger) (April 2011)

58. Organizer of the workshop "Calculation, Intuition and A Priori Knowledge" at Tilburg University (with Jan Sprenger) (October 2010)

59. Organizer of the ESF Workshop "Pluralism in the Foundations of Statistics" at the University of Kent, Canterbury, UK (with David Corfield) (September 2010)

60. Member of the Program Committee of the conference "Models and Simulations 4" at the University of Toronto, Canada (May 2010)

61. Organizer of the conference "The Future of Philosophy of Science" at Tilburg University (with Mark Colyvan, Paul Griffiths, and Jan Sprenger) (April 2010)

62. Organizer of the workshop "Scientific Philosophy: Past and Future" at Tilburg University (with Hannes Leitgeb and Jan Sprenger) (April 2010)

63. Organizer of the conference "Models, Simulations and the Reduction of Complexity", Akademie der Wissenschaften in Hamburg, Hamburg, Germany (with Ulrich Gähde and Jörn Henning Wolf) (March 2010)

64. Chair of the Program Committee of the second conference of the European Philosophy of Science Association (EPSA09) (Amsterdam 2009)

65. Organizer of the conference "Evidence, Science and Public Policy" at the University of Sydney (with Mark Colyvan, James Justus, and Jan Sprenger) (March 2009)

66. Member of the Program Committee of the second Amsterdam Graduate Philosophy Conference on "Meaning & Truth" at the Institute for Logic, Language and Computation (Amsterdam 2009)

67. Organizer of the conference "Models and Simulations 3" at the University of Virginia, USA (with Paul Humphreys and Michael Weisberg) (March 2009)

68. Organizer of the workshop "Formal Modeling in Social Epistemology" at Tilburg University (with Carlo Martini and Jan Sprenger) (October 2008)

69. Organizer of the Workshop "Formal Methods in Philosophy" at the *Sixth European Congress for Analytic Philosophy*, Cracow, Poland (with Hannes Leitgeb) (August 2008)

70. Organizer of the workshop "Pragmatism and Naturalism" at Tilburg University (with Maurice Schouten) (May 2008)

71. Organizer of the conference "Reduction and the Special Sciences" at Tilburg University (with Mark Colyvan, Maurice Schouten and Katie Steele) (April 2008)

72. Organizer of the London-Paris-Tilburg Workshops in Logic and Philosophy of Science (with Jacques Dubucs and Roman Frigg) (2007–2009)

73. Organizer of the workshop "Idealizations in Science" at Tilburg University (with Michael Weisberg) (October 2007)

74. Organizer of the conference "Models and Simulations 2" at Tilburg University (with Roman Frigg and Cyrille Imbert) (October 2007)

75. Organizer of the workshop "Methodological Problems of the Social Sciences" at Tilburg University (with Jan-Willem Romeijn) (May 2007)

76. Organizer of the joint Pitt Center - CPNSS conference "Conformation, Induction and Science" at the London School of Economics (with John Norton) (March 2007)

77. Member of the Program Committee of the conference PSA 2006 in Vancouver, Canada (November 2006)

78. Organizer of the conference "Models and Simulations" at Ecole Normal Superieure, Paris (with Roman Frigg and Cyrille Imbert) (June 2006)

79. Organizer of the workshop "Quantum Information – Logical and Epistemological Lessons" at the Fifth European Congress for Analytic Philosophy, Lisbon, Portugal (with Amit Hagar) (August 2005)

80. Organizer of the conference "Being Bayesian in a Quantum World" at the University of Konstanz (with Carlton Caves, Chris Fuchs and Ruediger Schack) (August 2005)

81. Organizer of the 4^{th} International Summer School "Philosophy, Probability and Physics" at the University of Konstanz (with Claus Beisbart) (August 2005)

82. Organizer of the "1. Paris/London/Konstanz History and Philosophy of Science Colloquium" on the topic *Formal vs. Historical Accounts of Scientific Theory Change* at the Sorbonne, Paris, France (with Pascal Engel) (December 2004)

83. Organizer of the workshop "Philosophy, Probability and Physics" at Ecole Normale Superieure, Paris (with Guido Bacciagaluppi) (December 2004)

84. Organizer of the 3^{rd} International Summer School "Causality, Uncertainty and Ignorance" at the University of Konstanz (with Rolf Haenni) (August 2004)

85. Organizer of the workshop "Bayesian Epistemology" at the London School of Economics (with Luc Bovens) (June 2004)

86. Organizer of the conference "Probability in Quantum Mechanics" at the London School of Economics (with Roman Frigg) (February 2004)

87. Organizer of the 2^{nd} International Summer School "Philosophy, Probability and the Special Sciences" at the University of Konstanz (with Luc Bovens and Gabriella Pigozzi) (July 2003)

88. Organizer of the workshop "Bayesian Epistemology" at the 26th International Wittgenstein Symposium in Kirchberg, Austria (with Luc Bovens) (August 2003)

89. Organizer of the workshop "Philosophy and Probability" at the Congress of the German Society for Analytical Philosophy in Bielefeld, Germany (with Luc Bovens) (September 2003)

90. Co-Organizer of the workshop "Social Welfare and Inequality: A Meeting with Udo Ebert" at the University of Konstanz (with Christoph Fehige and Luc Bovens) (June 2003)

91. Organizer of the workshop "Nancy Cartwright's Philosophy of Science" at the University of Konstanz (with Luc Bovens) (November 2002)

92. Organizer of the 1^{st} International Summer School "Philosophy and Probability" at the University of Konstanz (with Luc Bovens) (August 2002)

93. Member of the Program Committee of the 6^{th} Pittsburgh-Konstanz Colloquium in the Philosophy of Science, "Science, Values and Objectivity", at the University of Pittsburgh, USA (October 2002)

94. Organizer of the workshop "Choices and Models" at the University of Konstanz (with Luc Bovens) (June 2002)

95. Member of the Steering Committee of the Summer School "Theory of Knowledge", Institute for Philosophy and Sociology, Warsaw, Poland (August 1997)

HOSTED HUMBOLDT FELLOWS

1. Anneliese Maier Research Award: Ulrike Hahn (Birkbeck, 2013)

2. Research Award: Mark Colyvan (Sydney, 2018), Michael Esfeld (Lausanne, 2013), Margaret Morrison (Toronto, 2014), L.A. Paul (Yale, 2023), Miklos Redei (LSE, 2018), Lev Vaidman (Tel Aviv, 2026)

3. Friedrich Wilhelm Bessel Research Award: Roman Frigg (LSE, 2016), Gabor Szabo (Budapest, 2020), Alyssa Ney (UC Davis, 2023)

4. Research Fellowship for Experienced Researchers: Aidan Lyon (Maryland, 2013), Giovanni Valente (Pittsburgh, 2014), Johanna Wolff (Hong Kong, 2015), Michael Cuffaro (Western Ontario, 2020), Lauren Ross (Irvine, 2020), Chiara Lisciandra (Groningen, 2021), Silvia Milano (Exeter, 2023), Kevin Dorst (MIT, 2023), Pablo Acuna (Santiago, 2023), Javier Anta (Barcelona, 2023), Francesca Zaffora Blando (CMU, 2026)

5. Research Fellowship for Postdoctoral Researchers: Sander Beckers (2019), David Colaco (2021), Emilia Margoni (2025), Borut Trpin (2019), Naftali Weinberger (2019)

OTHER PROFESSIONAL ACTIVITIES

1. Member of the Advisory Board, Philosophical Gourmet Report (PGR) (since 2024)

2. Member of the *Forschungsausschuss*, Bavarian Academy of Sciences and Humanities (2024–2028)

3. Panel member, Fundação para a Ciência e a Tecnologia (FCT), Portugal (2023)
4. Panel member, National Science Center of Poland (NCN) (2023)
5. Member of the committee for the Ernest Nagel Early-Career Scholar Essay Award and the Mary B. Hesse Graduate Student Essay Award of the *Philosophy of Science Association (PSA)* (2022)
6. Panel member, Research Council of Norway (RCN) (since 2021)
7. Member of the ESF College of Expert Reviewers (since 2018)
8. Non-Panel Reviewer of Public Policy Research Funding Scheme & Strategic Public Policy Research Funding Scheme, Hong Kong (since 2018)
9. Participant in the programme "Probability and Statistics in Forensic Science", Isaac Newton Institute for Mathematical Sciences, University of Cambridge, UK (December 2016)
10. *Vertrauensdozent* of the *Studienstiftung des deutschen Volkes* (2015–2019)
11. President of the *European Society for Analytic Philosophy* (ESAP) (2014–2017)
12. Member of the ERC Starting Grant Panel SH4 "The Human Mind and Its Complexity" (2014)
13. Member of the International Advisory Board, Berlin School of Mind and Brain (since 2014)
14. President of the *European Philosophy of Science Association* (EPSA) (2013–2017)
15. Member of the *Wetenschappelijke Adviescollege Geesteswetenschappen*, NWO (2011–2012)
16. Member of the Governing Board of the *Philosophy of Science Association (PSA)* (2010–2013)
17. Advisory Board member, Sydney Centre for the Foundations of Science (SCFS) (since 2009)
18. Leader of Team A ("Formal Methods") of the program *The Philosophy of Science in a European Perspective* of the European Science Foundation (2008–2012)
19. Advisory Board member, Cluster of Excellence in Simulation Technology, University of Stuttgart, Germany (2008–2013)
20. Vice-President of the *European Philosophy of Science Association* (EPSA) (2007–2009)
21. Member of the Selection Board of the *German Academic Scholarship Foundation* (*Studienstiftung des deutschen Volkes*) (1997–2002)

22. Referee for the following funding agencies: Alexander von Humboldt Foundation, Austrian Science Fund (FWF), Belgian Science Policy Office, Deutsche Forschungsgemeinschaft (German Research Foundation), Deutscher Akademischer Austauschdienst (German Academic Exchange Service), European Research Council (ERC), German-Israeli Foundation for Scientific Research and Development (GIF), John Templeton Foundation, MacArthur Foundation, National Science Foundation (USA), Portuguese Foundation for Science and Technology, Research Foundation – Flanders (FWO), Social Sciences and Humanities Research Council of Canada (SSHRC), and Swiss National Science Foundation (SNF).

23. Referee for the following journals: *American Philosophical Quarterly*, *Annalen der Physik*, *Artificial Intelligence Review*, *Australasian Journal of Philosophy*, *Autonomous Agents and Multi-Agent Systems*, *Behavioral and Brain Sciences*, *British Journal for the Philosophy of Science*, *Canadian Journal of Philosophy*, *Cognition*, *Cognitive Science*, *Cognitive Psychology*, *Dialectica*, *Economics and Philosophy*, *Episteme*, *Erkenntnis*, *European Union Politics*, *Foundations of Physics*, *Foundations of Science*, *Information Fusion*, *International Journal of Theoretical Physics*, *Journal of Applied Logic*, *Journal of Logic, Language and Information*, *Journal of Philosophical Logic*, *Mind*, *Mind and Language*, *Mind and Matter*, *New Journal of Physics*, *Noûs*, *Philosophical Quarterly*, *Philosophical Psychology*, *Philosophical Review*, *Philosophy and Phenomenological Research*, *Philosophical Transactions of the Royal Society A*, *Philosophy of Science*, *Reports on Progress in Physics*, *Review of Philosophy and Psychology*, *Social Choice and Welfare*, *Studia Logica*, *Studies in History and Philosophy of Modern Physics*, *Synthese*, *Theoria*, and *Thinking & Reasoning*.

24. Referee for the following book publishers: Imperial College Press, Jones and Bartlett Publishers, MIT Press, Oxford University Press, Palgrave Macmillan, Routledge, Springer, University of Chicago Press, University of Pittsburgh Press, and Wiley-Blackwell.

MEMBERSHIPS IN ACADEMIC ORGANIZATIONS

1. American Philosophical Association (APA)
2. American Psychological Association (APA)
3. American Physical Society (APS)
4. Association for Mathematical Consciousness Science (AMCS)
5. British Society for the Philosophy of Science (BSPS)
6. Cognitive Science Society
7. Deutsche Gesellschaft für Philosophie (DGPhil)
8. Deutsche Physikalische Gesellschaft (DPG)

9. Deutscher Hochschulverband (DHV)
10. European Philosophy of Science Association (EPSA)
11. Gesellschaft für Analytische Philosophie (GAP)
12. Gesellschaft für Wissenschaftsphilosophie (GWP)
13. Philosophy of Science Association (PSA)
14. Social Choice and Welfare Society (SCW)
15. Society for Exact Philosophy (SEP)

MISCELLANIA

My Erdös number is 4 (János Aczél – Duncan Luce – Patrick Suppes).

REFERENCES

On request

List of Publications

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Monographs

1. *Bayesian Philosophy of Science* (with Jan Sprenger). Oxford: Oxford University Press 2019.

2. *Bayesianische Erkenntnistheorie* (with Luc Bovens). Paderborn: mentis Verlag 2006 (= revised German translation of *Bayesian Epistemology*).

3. *Bayesian Epistemology* (with Luc Bovens). Oxford: Oxford University Press 2003.

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1. Articles

1. The Open Systems View in Field Theory (with Sébastien Rivat). *Philosophy of Physics* 4(1): 10, 1–22 (2026).

2. Coherence-Based Measures of Explanatory Power (with Borut Trpin). *Philosophical Studies* 183, 1817–1843 (2026).

3. Why Coherence Matters (with Borut Trpin). *The Journal of Philosophy* 123(1), 35–62 (2026).

4. The Bayesian Research Programme in the Methodology of Science, or Lakatos Meets Bayes, in: R. Frigg, J. Alexander, L. Hudetz, M. Rédei, L. Ross and J. Worrall (eds.), *Proofs and Research Programmes: Lakatos at 100*. Cham: Springer 2025.

5. Information-Theoretic Concepts in Physics (with Michael E. Cuffaro). *Entropy* 2025, 27(3): 270; https://doi.org/10.3390/e27030270.

6. The Open Systems View (with Michael E. Cuffaro). *Philosophy of Physics* 2(1): 6, 1–27 (2024).

7. From Networks to Narratives: Bayes Nets and the Problems of Argumentation (with Anita Keshmirian, Rafael Fuchs, Rafael, Yuan Cao and Ulrike Hahn), in: P. Cimiano, A. Frank, M. Kohlhase and B. Stein (eds.): *Robust Argumentation Machines. RATIO 2024* (Lecture Notes in Computer Science, vol. 14638). Cham: Springer Nature Switzerland 2024, pp. 237–252.

8. The Wisdom of the Small Crowd: Myside Bias and Group Discussion (with Edoardo Baccini, Zoé Christoff and Rineke Verbrugge). *Journal of Artificial Societies and Social Simulation* 26 (4) 7 (2023).

9. Conjunctive Explanations: A Coherentist Appraisal (with B. Trpin), in: J. Schupbach and D. Glass (eds.): *Conjunctive Explanations: The Nature, Epistemology, and Psychology of Explanatory Multiplicity.* New York: Routledge 2023, pp. 111–134.

10. The Open Systems View and the Everett Interpretation (with Michael E. Cuffaro). *Quantum Reports* 5(2): 418–425 (2023).

11. Deliberation and Confidence Change (with Nora Heinzelmann). *Synthese* 200, Article number: 42 (2022).

12. Bayes Nets and Rationality, in: M. Knauff and W. Spohn (eds.): *Handbook of Rationality.* Cambridge, MA: MIT Press, pp. 253–264.

13. The Logic of Partial Supposition (with Benjamin Eva). *Analysis* 81(2): 215–224 (2021) https://doi.org/10.1093/analys/anaa060.

14. Being Realist about Bayes, and the Predictive Processing Theory of Mind (with Matteo Colombo and Lee Elkin). *The British Journal for the Philosophy of Science* 72(1): 185–220 (2021).

15. Anchoring in Deliberations (with Soroush Rafiee-Rad). *Erkenntnis* 85: 1041–1069 (2020).

16. Conditionals and Testimony (with Peter J. Collins, Karolina Krzyżanowska, Gregory Wheeler and Ulrike Hahn). *Cognitive Psychology* 122: 101329 (2020).

17. Learning from Conditionals (with Benjamin Eva and Soroush Rafiee Rad). *Mind* 129(514): 461–508 (2020).

18. On the Origins of Old Evidence (with Benjamin Eva). *Australasian Journal of Philosophy* 98(3): 481–494 (2020).

19. Reasoning in Physics (with Benjamin Eva). *Synthese* (2020). https://doi.org/10.1007/s11229-020-02756-3.

20. The Similarity of Causal Structure (with Benjamin Eva and Reuben Stern). *Philosophy of Science* 86: 821–835 (2019).

21. Hawking Radiation and Analogue Experiments: A Bayesian Analysis (with Radin Dardashti, Karim Thébault and Erik Winsberg). *Studies in History and Philosophy of Modern Physics* 67: 1–11 (2019).

22. Assessing Scientific Theories: The Bayesian Approach (with Radin Dardashti), in: R. Dardashti, R. Dawid and K. Thébault (eds.): *Why Trust a Theory?* Cambridge: Cambridge University Press 2019, pp. 67–83.

23. Two Sides of Modus Ponens (with Reuben Stern). *The Journal of Philosophy* 115(11): 605–621 (2018).

24. Bayesian Argumentation and the Value of Logical Validity (with Benjamin Eva). *Psychological Review* 125(5): 806–821 (2018).

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34. Models, Mechanisms and Coherence (with Matteo Colombo and Robert van Iersel). *The British Journal for the Philosophy of Science* 66 (1): 181–212 (2015).

35. Imprecise Probabilities in Quantum Mechanics, in: C. Crangle et al. (eds.), *Foundations and Methods from Mathematics to Neuroscience: Essays Inspired by Patrick Suppes.* Stanford: CSLI Publications, 2015, pp. 77–82.

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38. On the Emergence of Norms (with Ryan Muldoon, Chiara Lisciandra, Cristina Bicchieri, and Jan Sprenger), *Politics, Philosophy and Economics* 13: 3–22 (2014).

39. Introduction (with U. Gähde), in: U. Gähde et al. (eds.): *Models, Simulations and the Reduction of Complexity.* Berlin: Akademie-Verlag 2013, pp. 1–8.

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46. Computersimulationen in der Angewandten Politischen Philosophie – Ein Beispiel (with Claus Beisbart), in: C.F. Gethmann (ed.), *Deutsches Jahrbuch Philosophie, Vol. 2: Lebenswelt und Wissenschaft* 2011, pp. 1151–1162.

47. Introduction (with Claus Beisbart), in: C. Beisbart and S. Hartmann (eds.), *Probabilities in Physics.* Oxford: Oxford University Press 2011, pp. 1–21.

48. Who's Afraid of Nagelian Reduction? (with Foad Dizadji-Bahmani and Roman Frigg), *Erkenntnis* 73(3): 393–412 (2010).

49. The Weight of Competence under a Realistic Loss Function (with Jan Sprenger), *Logic Journal of the IGPL* 18: 346–352 (2010).

50. Welfarist Evaluations of Decision Rules under Interstate Utility Dependencies (with Claus Beisbart), *Social Choice and Welfare* 34: 315–344 (2010).

51. Reliable Methods of Judgment Aggregation (with Jan Sprenger and Gabriella Pigozzi), *Journal of Logic and Computation* 20: 603–617 (2010).

52. Bayesian Epistemology (with Alan Hájek), in: J. Dancy, E. Sosa, and M. Steup (eds.), *A Companion to Epistemology.* Oxford: Blackwell ^{2}2010, 93–106.

53. Formal and Empirical Methods in Philosophy of Science (with Vincenzo Crupi), in: F. Stadler et al. (eds.), *The Present Situation in the Philosophy of Science.* Berlin: Springer 2010, 87–98.

54. Entanglement, Upper Probabilities and Decoherence in Quantum Mechanics (with Patrick Suppes), in: M. Suárez et al. (eds.), *EPSA Philosophical Issues in the Sciences: Launch of the European Philosophy of Science Association,* Vol. 2. Berlin: Springer 2010, 93–103.

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56. Consensual Decision-Making Among Epistemic Peers (with Carlo Martini and Jan Sprenger), *Episteme* 6: 110–129 (2009).

57. Modeling in Philosophy of Science, in: M. Frauchiger and W.K. Essler (eds.), *Representation, Evidence, and Justification: Themes from Suppes (Lauener Library of Analytical Philosophy; vol.* 1*).* Frankfurt: ontos Verlag 2008, pp. 95–121.

58. Modeling High-Temperature Superconductors: Correspondence at Bay?, in L. Soler, H. Sankey, and P. Hoyningen-Huene (eds.), *Rethinking Scientific Change. Stabilities, Ruptures, Incommensurabilities?* Berlin: Springer 2008, pp. 107–128.

59. Welfare, Voting, and the Constitution of a Federal Assembly (with Luc Bovens), in: M. C. Galavotti, R. Scazzieri and P. Suppes (eds.), *Reasoning, Rationality and Probability.* Stanford: CSLI Publications 2008, pp. 61–76.

60. An Impossibility Result for Coherence Rankings (with Luc Bovens), *Philosophical Studies* 128: 77–91 (2006).

61. Modeling Partially Reliable Information Sources: A General Approach Based on Dempster-Shafer Theory (with Rolf Haenni), *Information Fusion* 7: 361–379 (2006).

62. Why There Cannot be a Single Probabilistic Measure of Coherence (with Luc Bovens), *Erkenntnis* 63: 361–374 (2005).

63. Coherence and the Role of Specificity: A Response to Meijs and Douven (with Luc Bovens), *Mind* 114: 365–369 (2005).

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65. Transdisziplinarität – Eine Herausforderung für die Wissenschaftstheorie, in: M. Carrier and G. Wolters (eds.), *Homo Sapiens und Homo Faber.* Berlin: de Gruyter 2005, 335–343.

66. Normativität und Bayesianismus (with Ludwig Fahrbach), in: B. Gesang (ed.), *Deskriptive oder normative Wissenschaftstheorie.* Frankfurt: ontos-Verlag 2005, 177–204.

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71. Bayesian Networks and the Problem of Unreliable Instruments (with Luc Bovens), *Philosophy of Science* 69: 29–72 (2002).

72. Bayesian Networks in Philosophy (with Luc Bovens), in: B. Löwe et al. (eds.), *Foundations of the Formal Sciences II: Applications of Mathematical Logic in Philosophy and Linguistics*. Dordrecht: Kluwer 2002, pp. 39–46.

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74. Effective Field Theories, Reduction and Scientific Explanation, *Studies in History and Philosophy of Modern Physics* 32B: 267–304 (2001).

75. Mechanisms, Coherence, and Theory Choice in the Cognitive Neurosciences, in: P. Machamer et al. (eds.), *Theory and Method in the Neurosciences.* Pittsburgh: Pittsburgh University Press 2001, pp. 70–80.

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79. Über die heuristische Funktion des Korrespondenzprinzips, in: J. Mittelstraß (ed.), *Die Zukunft des Wissens*, Konstanz: Universitätsverlag Konstanz 1999, pp. 500–506.

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82. Verfolgt die Teilchenphysik ein reduktionistisches Programm?, in: G. Meggle et al. (eds.), *Perspectives in Analytical Philosophy*, Berlin: de Gruyter 1997, pp. 374–380.

83. The World as a Process: Simulations in the Natural and Social Sciences, in: R. Hegselmann et al. (eds.), *Modelling and Simulation in the Social Sciences from the Philosophy of Science Point of View*, Theory and Decision Library. Dordrecht: Kluwer 1996, pp. 77–100.

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2. Proceedings

1. Why More Evidence May Convince You Less: Evidence, Reliability and Bayesian Rationality (with Edoardo Baccini), in: CogSci 2026 Proceedings, Rio de Janeiro 2026, pp. 306–312.

2. Probability Weighting from Intrapersonal Aggregation: Internal Sampling, Metacognition, and Divergence Minimization, in: CogSci 2026 Proceedings, Rio de Janeiro 2026, pp. 3554–3560.

3. Belief asSelf-Endorsement: A Bayesian Model of Commitment UnderUncertainty (with Borut Trpin), in: CogSci 2026 Proceedings, Rio de Janeiro 2026, pp. 3656–3661.

4. A New Posterior Probability-Based Measure of Coherence (with Borut Trpin), in: CogSci 2024 Proceedings, Rotterdam 2024, pp. 1494–1500.

5. Novel Predictions for Boundedly Rational Agents: A Bayesian Analysis (with Rafael Fuchs), in: CogSci 2024 Proceedings, Rotterdam 2024, pp. 3844–3850.

6. Explaining the Conjunction Fallacy (with Borut Trpin), in: CogSci 2024 Proceedings, Rotterdam 2024, pp. 5220–5226.

7. Confirmation, Coherence and the Strength of Arguments (with Borut Trpin), in: CogSci 2023 Proceedings, Sydney 2023, pp. 1473–1479.

8. Coherence of Information: What It Is and Why It Matters (with Borut Trpin), in: CogSci 2023 Proceedings, Sydney 2023, pp. 3617–3623.

9. Causal Structure and Argumentative Value (with Ulrike Hahn, Borut Trpin, Marko Tesic, Anita Keshmirian and Corina Strößner, in: CogSci 2023 Proceedings, Sydney 2023, p. 3773.

10. Perceived Causal Strength in Chains vs. Common Causes (with Anita Keshmirian, Babak Hemmatian and Ulrike Hahn), in: CogSci 2023 Proceedings, Sydney 2023, p. 3800.

11. The Myside Bias in Argument Evaluation: A Bayesian Model (with Edoardo Baccini), in: CogSci 2022 Proceedings, Toronto 2022, 1512–1518.

12. How to Revise Beliefs from Conditionals: A New Proposal (with Ulrike Hahn), in CogSci 2021 Proceedings, Vienna 2021, 98–104.

13. A New Approach to Testimonial Conditionals (with Ulrike Hahn), in CogSci 2020 Proceedings, Toronto 2020, 981–986; https://cognitivesciencesociety.org/cogsci20/papers/0173/0173.pdf.

14. A New Probabilistic Explanation of the Modus Ponens–Modus Tollens Asymmetry (with Benjamin Eva and Henrik Singmann), in CogSci 2019 Proceedings, Montreal 2019, 289–294; https://mindmodeling.org/cogsci2019/papers/0070/0070.pdf.

15. Rank Aggregation and Belief Revision Dynamics (with Igor Volzhanin, Ulrike Hahn and Dell Zhang), in: CogSci 2017 Proceedings, London 2017, 3454–3459; https://mindmodeling.org/cogsci2017/papers/0651/paper0651.pdf.

16. Judgment Aggregation and the Problem of Truth-Tracking (with Gabriella Pigozzi), in: Proceedings of the 11^{th} *Conference on Theoretical Aspects of Rationality and Knowledge (TARK XI)*, Brussels 2007, 248–252.

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3. Encyclopedia Articles

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11. Simulation, in: J. Mittelstraß (ed.), *Enzyklopädie Philosophie und Wissenschaftstheorie*, vol. 3. Stuttgart: Metzler 1995, pp. 805–807.

4. Book Reviews

1. M. Morrison: Reconstructing Reality: Models, Mathematics, and Simulations (with Alexander Reutlinger), *BJPS Review of Books* (online only), 2016.

2. M. Strevens: Depth: An Account of Scientific Explanation (with Jonah Schupbach), *Notre Dame Philosophical Reviews*, June 2010.

3. P. Lipton: Inference to the Best Explanation (2^{nd} edition) (with Lefteris Farmakis), *Notre Dame Philosophical Reviews*, May 2005.

4. J. Cushing: Philosophical Concepts in Physics, *Erkenntnis* 52: 133–137 (2000).

5. Miscellania

1. A Theory of Everything Will Never Work at All Scales. IAI News, 21st May 2025.

2. Models, Unification and Simulations: Margaret C. Morrison (1954–2021) (with Brigitte Falkenburg). *Journal for General Philosophy of Science* (2021) https://doi.org/10.1007/s10838-021-09557-3.

3. A Conversation with Stephan Hartmann, in: P. Barrieu (ed.): *Dialogues Around Models and Uncertainty An Interdisciplinary Perspective.* Singapore: World Scientific 2020, pp. 331–347.

Edited Volumes and Special Issues

1. Information-Theoretic Concepts in Physics, *Entropy* (2024). Special issue ed. with M. Cuffaro.

2. *Decision Theory and the Future of Artificial Intelligence* (ed. with H. Price and Y. Liu). Berlin: Springer 2022. (Reprint of the special issue of *Synthese* mentioned below with the same title.)

3. Decision Theory and the Future of Artificial Intelligence, *Synthese* (2021). Special issue ed. with H. Price and Y. Liu (https://doi.org/10.1007/s11229-021-03316-z).

4. Reasoning in Physics, *Synthese* (2020). Special issue ed. with B. Eva (https://doi.org/10.1007/s11229-020-02756-3).

5. Computational Modeling in Philosophy, *Synthese* (2020). Topical Collection ed. with S. Scheller and C. Merdes.

6. The Progress of Science, *Studies in History and Philosophy of Science* 45 (2014). Special issue ed. with R. de Langhe and J. Sprenger.

7. *Models, Simulations and the Reduction of Complexity* (ed. with U. Gähde and J. H. Wolf). Berlin: Akademie-Verlag 2013.

8. Formal Epistemology Meets Experimental Philosophy, *Synthese* 190:8 (2013). Special issue ed. with C. Lisciandra and E. Machery.

9. The Future of Philosophy of Science, *The European Journal for Philosophy of Science* 2:2 (2012). Special issue ed. with J. Sprenger.

10. *Probabilities, Laws, and Structures* (ed. with D. Dieks, W. Gonzales, M. Stöltzner, and M. Weber). Berlin: Springer 2012.

11. *EPSA Philosophy of Science: Amsterdam 2009* (ed. with H. de Regt and S. Okasha). Berlin: Springer 2012.

12. *Probabilities in Physics* (ed. with C. Beisbart). Oxford: Oxford University Press 2011.

13. Reduction, Emergence and Physics, *Foundations of Physics* 41:6 (2011). Special issue ed. with G. Valente.

14. *Handbook of the History and Philosophy of Logic, vol. 10: Inductive Logic* (ed. with D. Gabbay and J. Woods). Amsterdam: Elsevier/North-Holland 2011.

15. *Explanation, Prediction and Confirmation* (ed. with D. Dieks, W. Gonzales, F. Stadler, T. Uebel, and M. Weber). Berlin: Springer 2011.

16. Models and Simulations 2, *Synthese* 180:1 (2011). Special issue ed. with R. Frigg and C. Imbert.

17. Reduction and the Special Sciences, *Erkenntnis* 73 (3). Special issue ed. with M. Colyvan.

18. *The Present Situation in the Philosophy of Science* (ed. with F. Stadler, D. Dieks, W. Gonzales, T. Uebel, and M. Weber). Berlin: Springer 2010.

19. Formal Modeling in Social Epistemology. *Logic Journal of the IGPL* 18(2) (2010). Special issue ed. with C. Martini and J. Sprenger.

20. *Models and Simulations. Synthese* 169 (3) (2009). Special issue ed. with R. Frigg and C. Imbert.

21. *Nancy Cartwright's Philosophy of Science* (ed. by S. Hartmann, L. Bovens and C. Hoefer). London: Routledge 2008 (paperback 2010).

22. Probabilities in Quantum Mechanics. *Studies in History and Philosophy of Modern Physics* 38 (2) (2007). Special issue ed. with R. Frigg.

23. Bayesian Epistemology. *Synthese* 156 (3) (2007). Special issue ed. with L. Bovens.

24. Causality, Uncertainty and Ignorance. *Minds and Machines* 16(3) (2006). Special issue ed. with R. Haenni.

25. *Coherence, Truth and Testimony* (ed. with Ulrich Gähde). Berlin: Springer 2006. (Reprint of the special issue of *Erkenntnis* mentioned below.)

26. *Coherence, Truth and Testimony. Erkenntnis* 63(3) (2005). Special issue ed. with U. Gähde.

Submitted

1. Confirmation by Best Explanation: A Bayesian Justification of IBE (with Marko Tesic and Benjamin Eva).

2. Unpacking the Catch-All: Bayesian Reasoning, Alternative Hypotheses, and the Focal Fallacy (with Ulrike Hahn).

3. Prospect Theory and the Wisdom of the Inner Crowd.

Books in Preparation

1. *Reasoning in Physics.* Under contract with Cambridge University Press (Cambridge Elements series).

2. *Open Systems: Physics, Metaphysics, and Methodology* (ed. with M.Cuffaro). Under contract with Oxford University Press.

Physics Publications

1. Journal Articles

1. Generalized Dicke States. *Quantum Information and Computation* 16, No. 15 & 16: 1333–1348 (2016).

2. The Chromodielectric Soliton Model: Quark Self-Energy and Hadron Bags (with Lawrence Wilets and Ping Tang). *Physical Review* C55: 2067–2077 (1997).

2. Popular Scientific and Pedagogical Papers

1. Kopenhagen contra Bohm – eine Herausforderung für den Realismus? (with Rainer Müller), *Praxis der Naturwissenschaften – Physik*, Heft 4: 12–17 (1999).

2. Bose-Einstein-Kondensation ultrakalter Atome (with Rainer Müller and Hartmut Wiesner), in: W. Schneider (ed.), *Wege in der Physikdidaktik, Band IV*, Erlangen: Palm & Enke 1998, pp. 165–183.

3. Modelle und Forschungsdynamik: Strategien der zeitgenössischen Physik, *Praxis der Naturwissenschaften – Physik* 1/95: 33–41 (1995).

3. Book Reviews

1. G. Johnson: Strange Beauty. Murray Gell-Mann and the Revolution in 20th-Century Physics, *Physik Journal* 1: 236 (2002).

2. F. Dyson: The Sun, the Genom and the Internet, *Physikalische Blätter* 56 (Heft 10): 69 (2000).

3. J. Gleick: Richard Feynman – Leben und Werk des genialen Physikers, *Spektrum der Wissenschaft*, Juli 1995: 118–19.

4. M. Gell-Mann: Das Quark und der Jaguar, *Physikalische Blätter* 50: 1166 (1994).

Theses

1. *Metaphysik und Methode: Strategien der zeitgenössischen Physik in wissenschaftsphilosophischer Perspektive.* Konstanz: Hartung-Gorre-Verlag 1995. (182 pp; in German).

2. *The Epistemological Status of the Conservation Principles of Physics.* Unpublished Master Thesis in Philosophy, University of Giessen, 1991. (135 pp; in German)

3. *Sea- and Valence-Quark Correlations in the Nucleon.* Unpublished Diploma Thesis in Physics, University of Giessen, 1991. (146 pp; in German)

List of Talks (since 2000)

Stephan Hartmann
Munich Center for Mathematical Philosophy
LMU Munich
Geschwister-Scholl-Platz 1
80539 Munich, Germany

Invited Lectures

1. "The Open Systems View", Adolf Grünbaum Memorial Lecture, Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, USA, September 2026.

2. "Bridging Philosophy of Science and Quantum Foundations", at the workshop *FAU²: Quantum Gravity Meets Quantum Information – Foundations, Frameworks and Frontiers*, Erlangen, Germany, July 2026.

3. "The Indeterminacies of Coherence", National University of Singapore, Singapore, June 2026.

4. "Analogy-Based Reduction: A Non-Deductive Model of Intertheoretic Integration", Nanyang Technological University, Singapore, June 2026.

5. "Analogy-Based Reduction: A Non-Deductive Model of Intertheoretic Integration", at the *The 9th Sino-German Symposium on Philosophy of Science and Technology*, Huazhong University of Science and Technology, Wuhan, China, June 2026 (online).

6. "The Open Systems View", at the *Black Hole Colloquium*, Harvard University, Cambridge, MA, February 2026.

7. "The Open Systems View", at the workshop *100 Years of the Schrödinger Equation*, Max Planck Institute for Quantum Optics, Garching, January 2026.

8. "Framework Fundamentality", at the *Bergen Philosophy of Science Workshop*, University of Bergen, Bergen, Norway, November 2025.

9. "Reduction, Emergence, and the Physics of the Brain", at the *2nd Symposium: Connection between Physics and Metabolism in Brain Functions*, ICM Institute for Brain and Spinal Cord, Paris, France, November 2025.

10. "Framework Fundamentality", at the workshop *Pragmatism and the Applicability of Mathematics*, University of Cambridge, Cambridge, UK, September 2025.

11. "Analogy-Based Reduction: A Non-Deductive Model of Intertheoretic Integration", at the workshop *Analogue Black Holes between Physics and Philosophy*, Urbino, Italy, September 2025.

12. "Belief as Testimony to Oneself", at the *Post-SPP-Meeting: New Frameworks of Rationality*, Max Planck Institute for Human Development, Berlin, July, 2025.

13. "Analogie als Vergleichsmethode in Physik und Philosophie", at the workshop *Methoden des Vergleichs in Philosophie und Wissenschaftsgeschichte*, University of Stuttgart, June 2025.

14. "Analogy-Based Reduction: Lessons from the NJL Model", at the workshop *Reduction and Emergence in Physics and Cosmology*, Center for Advanced Studies, LMU Munich, May 2025.

15. "Framework Fundamentality", at the workshop *Fundamentality in Physics and Metaphysics*, LMU Munich, April 2025.

16. "How Should we Decide? From Individual to Collective Rationality", at the *From Metaphysics to Social Philosophy Workshop*, Chulalongkorn University, Bangkok, Thailand, January 2025.

17. "Coherence and Truth", APSE Lecture Series, Department of Philosophy, University of Vienna, Vienna, Austria, January 2025.

18. "From Fluids to Black Holes: Analogical Reasoning in Physics", Seminar Series *Physics meets Philosophy in Vienna*, Institute for Quantum Optics and Quantum Information, University of Vienna, Vienna, Austria, January 2025.

19. "Probabilities in Philosophy", at the workshop *Logic, Probability and it's Philosophy*, Friedrich Schiller University Jena, Germany, January 2025.

20. "Analogies in Quantum Field Theory", at the workshop "Analogies in Physics an Beyond", Politecnico di Milano, Italy, November 2024.

21. "A New Posterior Probability-Based Measure of Coherence", at the *2nd Annual Duke/UNC Epistemology Workshop*, UNC Chapel Hill, USA, November 2024.

22. Round Table Discussion with Research Center Directors, at the conference *Philosophy of Science: Past, Present and Future* at the Minnesota Center for Philosophy of Science, Minneapolis, USA, October 2024.

23. "Die Philosophie offener Quantensysteme", at the Workshop *Quantenphysik an der Schule*, Heisenberg-Gesellschaft, Lautrach, Germany, July 2024.

24. "Kohärenz und Wahrheit", Department of Philosophy, Dresden University of Technology, Germany, May 2024.

25. "Scientific Reasoning: The Bayesian Approach", at the *Bayesian Inference and Artificial Intelligence Seminar*, Faculty of Physics, LMU Munich, November 2023.

26. "The Mathematical Philosophy of Decision-Making", at AQUACOSM plus: 3rd International plus Symposium on Aquatic Mesocosm Based Research, Antalya, Turkey, November 2023.

27. "Bayesian Coherentism", The Working Group in History and Philosophy of Logic, Mathematics and Science, University of California at Berkeley, USA, October 2023.

28. "Bayesian Philosophy of Science", at the *LMU Open Science Center Summer School 2023*, Munich, Germany, September 2023.

29. "Coherence, Explanation and Truth", at the *SILFS Triennial Conference 2023: Logic, Philosophy of Science, and Global Challenges*, Urbino, Italy, September 2023.

30. "Der Bayesianismus in der Wissenschaftsphilosophie", at the *Symposion zum 100. Geburtstag von Wolfgang Stegmüller*, Munich, Germany, June 2023.

31. "Überholte Wahrheiten? Umgang mit Brüchen in der Wissenschaft: Eine philosophische Perspektive", at the conference *Vom Umgang mit Wendepunkten: Politische, gesellschaftliche und erkenntnistheoretische Perspektiven*, Akademie für Politische Bildung, Tutzing, Germany, June 2023.

32. "Bayesian Explanationism", Department of History and Philosophy of Science, Cambridge University, Cambridge, UK, May 2023.

33. "Bayesian Explanationism", Nankai Speaker Series, Nankai University, Tianjin, P.R. China, April 2023 (online).

34. "Reasoning in Physics: The Bayesian Approach", Institute of Philosophy, Hungarian Academy of Sciences, Budapest, Hungary, December 2022.

35. "Reasoning in Physics: The Bayesian Approach", Einstein Lecture Series, FU Berlin, Berlin, Germany, November 2022.

36. "Lakatos, Bayes and the Role of the History of Science", at the *Imre Lakatos Centenary Conference*, London School of Economics, London, UK, November 2022.

37. "Morrison's Particularism", Department of Philosophy, University of Toronto, Canada, September 2022.

38. "Bayesian Explanationism", Department of Philosophy, McGill University, Montreal, Canada, September 2022.

39. "The Open Systems View", at the conference *The Quantum, the Thermal and the Gravitational Reconciled: Physics and Philosophy in the Varied Landscape of the Intersections*, Munich, June 2022.

40. "The Open Systems View", The New Institute, Hamburg, Germany, May 2022.

41. "Howson on the Problem of Old Evidence. At the conference Probability and Reasoning: A Conference in Memory of Colin Howson", London School of Economics, London, UK, March 2022.

42. "On the Relevance of the History of Physics o the Philosophy of Physics. A Debate with Dennis Lehmkuhl", History and Philosophy of Physics Research Seminar, Bonn, Germany, January 2022 (online).

43. "Agency, Argumentation and the Future of Science", at the *Roundtable 'Next Generation AI' Topic I: AI and Uncertainty*, Center for Advanced Studies, LMU Munich, November 2021 (online).

44. "The Relevance of Philosophy for Physics", at the Vienna Quantum Foundations Conference, Vienna, Austria, September 2021 (online).

45. "Measuring Coherence", at the workshop *Scientific Models and Scientific Inference*, Castelveccana, Italy, July 2021.

46. "Bayesian Networks in Philosophy of Science", Arizona State University, USA, March 2021 (online).

47. "Argumentation as Learning: From Individuals to Collectives", at the symposium *Argumentation: From Dyads to Groups*, International Conference on Thinking, Paris, France, June 2021 (online).

48. TBA, at the workshop *Models, Data and Unobservable Phenomena in Physics*, Department of Philosophy, University of Bristol, UK, June 2020 (postponed).

49. "Imprecise Probabilities in Quantum Mechanics", Department of Philosophy, University of Bristol, UK, June 2020 (online).

50. "Was ist ein gutes Argument?", Bavarian Academy of Sciences and Humanities, February 2020.

51. "Scientific Reasoning: The Bayesian Approach", Department of Philosophy, University of Bonn, Germany, January 2020.

52. "The Open Systems View of Quantum Theory", Department of Philosophy, University of Bonn, Germany, January 2020.

53. "Bayesian Philosophy of Science" (three lectures), at the summer school *Bayes By the Sea: Formal Epistemology, Statistics, and Game Theory*, Ancona, Italy, August 2019.

54. "The Distance-Based Approach to Bayesianism", at the *Mini-Workshop: Conditioning*, LMU Munich, July 2019.

55. "Confirmation by Best Explanation: A Bayesian Justification of IBE", at the conference *Scientific Explanations, Competing and Conjunctive*, University of Utah, Salt Lake City, USA, June 2019.

56. "The Distance-Based Approach to Bayesianism", at the *Formal Epistemology Workshop 2019*, Turin, Italy, June 2019.

57. "Anomalies and Non-Empirical Theory Assessment", at the workshop *Non-Empirical Theory Assessment: How far Does it Reach and Where Could it Stumble?*, Stockholm University, Sweden, June 2019.

58. "Reasoning and Argumentation in Science: A Perspective", at the conference *Computation in the Theory and Practice of Natural Science*, LMU Munich, May 2019.

59. "Wer hat am Ende recht? Treffen Gruppen bessere Entscheidungen als Einzelpersonen?", Volkshochschule München, Munich, Germany, May 2019.

60. "The Distance-Based Approach to Bayesianism", IHPST, Paris, France, March 2019.

61. "Reasoning and Argumentation in Science: A Perspective from Mathematical Philosophy", at the 3^{rd} Interdisciplinary REASON Winter School *Bridging the Research-Practice Gap: Advancing Evidence-Based Argumentation*, TUM School of Education, Munich, Germany, February 2019.

62. "Von der individuellen zur kollektiven Rationalität", SPP1516–Abschlussveranstaltung, Justus Liebig Universität Giessen, Giessen, Germany, Oktober 2018.

63. "Anomalies and Bayesian Confirmation Theory", at the symposium *Anomalies: Disruption and Source of Knowledge*, Leopoldina, Halle, Germany, September 2018.

64. "The Philosophy of Open Quantum Systems", at the annual meeting of the Swiss Society of Logic and Philosophy of Science, Lugano, Switzerland, September 2018.

65. "Deliberation, Epistemic Diversity and the Anchoring Effect", at the colloquium *Judgement Aggregation and Epistemic Diversity* at the 10^{th} International Congress of the German Society for Analytic Philosophy, Cologne, Germany, September 2018.

66. "Varieties of Evidence", at the *Fifth Conference of the Brazilian Society for Analytic Philosophy*, Salvador, Bahia, Brazil, September 2018.

67. "What is Mathematical Philosophy?", Max Planck Institute of Quantum Optics, Garching, Germany, July 2018.

68. "The Open Systems View as Fundamental", at the workshop *Foundations of Quantum Mechanics and Quantum Information Theory: A Workshop with Jeffrey Bub*, LMU Munich, June 2018.

69. "Modeling Collective Decision Making", at the conference *Deliberation, Belief Aggregation, and Epistemic Democracy*, Paris, France, May 2018.

70. TBA, at the workshop *Algorithmic Information, Induction and Observers in Physics*, Perimeter Institute, Waterloo, Canada, April 2018.

71. "What is Mathematical Philosophy?", at the conference *Foundations of Mathematics*, LMU Munich, April 2018.

72. "Reductive Explanations in Quantum Statistical Mechanics", at the workshop *Multiple Realizability, Causation and Reductive Explanations in Science*, Valparaiso, Chile, March 2018.

73. "Bayesian Argumentation", at the Seventh Annual Meeting of the DFG Priority Programm "New Frameworks of Rationality", Etelsen, Germany, February 2018.

74. "Hawking Radiation and Analogue Experiments: A Bayesian Analysis", at the at the workshop *Explanation and Reduction in the Sciences (= The Third Jerusalem-MCMP Workshop in the Philosophy of Science)* at the Hebrew University of Jerusalem, Jerusalem, Israel, February 2018.

75. "Simulations and the Future of Research", at the symposium *Future of Research – Research of the Future*, Friedrich-Alexander Universität Erlangen-Nürnberg, January 2018.

76. "My Experiences as an Academic Philosopher of Science", Department of Philosophy, Fudan University, Shanghai, China, November 2017.

77. "Bayesian Argumentation", Department of Philosophy, Stockholm University, Sweden, October 2017.

78. "Bayesian Argumentation and the Challenge of Intractability", at the conference on *Epistemic Rationality: Conceptions and Challenges*, Barcelona, Spain, September 2017.

79. "Symmetries and Asymmetries in Open Quantum Systems", at the conference *Symmetries and Asymmetries in Physics*, University of Hannover, Germany, July 2017.

80. "Confirmation via Analogue Simulation: A Bayesian Analysis", Duesseldorf Center for Logic and Philosophy of Science (DCLPS), University of Duesseldorf, Germany, July 2017.

81. "Bayesian Argumentation", at the conference *Causation, Explanation, Conditionals*, LMU Munich, June 2017.

82. "Symmetries and Asymmetries in Open Quantum Systems", at the workshop *With and without Measure: Symmetry and Symmetry Breaking*, LMU Munich, June 2017.

83. "Confirmation via Analogue Simulation: A Bayesian Analysis", at the conference *Simulation and Thought Experiment*, University of Geneva, Switzerland, June 2017.

84. "Bayesian Argumentation and the Value of Logical Validity", at the conference *Reasoning and Argumentation in Science*, Center for Advanced Studies, LMU Munich, May 2017.

85. "Modelle und Simulationen in der Wissenschaft", Ringvorlesung *Wissenschaftsreflexion: Theorie & Ethik & Praxis*, Zentralinstitut für Wissenschaftsreflexion und Schlüsselqualifikationen, Erlangen, Germany, May 2017.

86. "Wie gut sind konsensuelle Entscheidungen in diversen Gruppen?", *Forschungskolloquium Analytische Soziologie*, LMU Munich, Germany, May 2017.

87. "Dump Holes and Bayesian Confirmation", at the 641^{th} WE-Heraeus-Seminar *Do Black Holes Exist? – The Physics and Philosophy of Black Holes*, Physikzentrum Bad Honnef, Germany, April 2017.

88. "Understanding (With) Toy Models", at the Workshop *Models in Science*, Lingnan University, Hong Kong, China, March 2017.

89. "Assessing Scientific Theories", Philosophy Department, Lingnan University, Hong Kong, China, March 2017.

90. "Bayesian Argumentation and the Value of Logical Validity", at the workshop *Learning Conditionals*, Center for Advanced Studies, LMU Munich, February 2017.

91. "Bayesian Argumentation and the Value of Logical Validity", Faculty of Philosophy, University of Groningen, The Netherlands, January 2017.

92. "Assessing Scientific Theories", Department of History and Philosophy of Science, University of Cambridge, UK, November 2016.

93. "Assessing Scientific Theories", Unit for Philosophy of Science, University of Vienna, Vienna, Austria, November 2016.

94. "Probabilistic Approaches to Reasoning and Argumentation", at the workshop *Human Rationality: Probabilistic Points of View*, Villa Vigoni, Italy, November 2016.

95. "Bayesian Argumentation and the Value of Logical Validity", Institute of Philosophy, University of London, London, UK, October 2016.

96. "Probability Aggregation", at the workshop *Social Choice and its Philosophical Applications*, Venice International University, Venice, Italy, October 2016.

97. "Probabilistic Reasoning and Argumentation", four lectures at the *International Rationality Summer Institute*, Aurich, Germany, September 2016.

98. "Bayesian Argumentation", at the symposium *Bayesian Argumentation*, International Conference on Thinking, Brown University, Providence, RI, USA, August 2016.

99. "The No Alternatives Argument and the Relevance of Beliefs About Alternative Theories", International Conference on Thinking, Brown University, Providence, RI, USA, August 2016.

100. "Assessing Scientific Theories", University of Buenos Aires, Argentina, July 2016.

101. "Learning Causal Conditionals", SADAF, Buenos Aires, Argentina, July 2016.

102. "Assessing Scientific Theories", at the *Inaugural Conference of the East European Network for Philosophy of Science*, Sofia, Bulgaria, June 2016.

103. "Learning Causal Conditionals", at the workshop *Probabilities in Science and Philosophy (= The First Jerusalem-MCMP Workshop in the Philosophy of Science)* at the Hebrew University of Jerusalem, Jerusalem, Israel, May 2016.

104. "Assessing Scientific Theories", California Institute of Technology, Pasadena, USA, April 2016.

105. "Learning Causal Conditionals", at the *Bayes Forum*, Max Planck Institute for Extraterrestrial Physics, Munich, Germany, March 2016.

106. "Wie bewertet man eine wissenschaftliche Theorie?", Physikalisches Kolloquium, University of Bremen, Germany, January 2016.

107. "Confirmation via Analogue Simulation: A Bayesian Account", at the symposium *Computer Simulations in Science*, Annual Meeting of the Eastern Division of the American Philosophical Association, Washington D.C., USA, January 2016.

108. "Understanding Toy Models", at the Workshop *Reduction in Physics and Biology*, Santiago, Chile, January 2016.

109. "Transdisziplinarität und die Zukunft der Einzelwissenschaften", at the *Tagung des Instituts für interdisziplinäre Forschung der Görres-Gesellschaft*, München, Germany, September 2015.

110. "Assessing Scientific Reasoning", at the *International Symposium on Karl Popper and Problem of Change,* Ankara, Turkey, September 2015.

111. "Bayesian Philosophy of Science", at the 15^{th} *Congress of Logic, Methodology and Philosophy of Science*, Helsinki, Finland, August 2015.

112. "Understanding Toy Models", at the 4^{th} Tübingen Summer School in the History and Philosophy of Science, Forum Scientiarum, University of Tübingen, Germany, July 2015.

113. "Understanding Toy Models", Department of Philosophy, University of Washington, Seattle, USA, May 2015.

114. "Assessing Scientific Reasoning", Department of Logic and Philosophy of Science, University of California at Irvine, USA, May 2015.

115. "The No Miracles Argument without Base Rate Fallacy", at the *Salzburg–Irvine–Munich Workshop 2015: Logic and Philosophy of Science,* Salzburg, Austria, April 2015 (with Richard Dawid).

116. "Learning Conditionals and the Problem of Old Evidence", Seminar on Logic, Probability, and Games, Columbia University, New York, NY, USA, February 2015.

117. "Understanding Toy Models", IHPST, Paris, France, March 2015.

118. Bayesian Philosophy of Science, at the 15^{th} Congress of Logic, Methodology and Philosophy of Science, Helsinki, Finland, August 2015.

119. "Bayesian Argumentation", at the workshop *Modèles de la Rationalité*, Paris, France, December 2014.

120. "A New Solution to the Problem of Old Evidence", Institute of Philosophy, Hungarian Academy of Sciences, Budapest, Hungary, October 2014.

121. "Anchoring in Deliberations", at the workshop *Decisions, Groups and Networks*, Center for Advanced Studies, LMU Munich, September 2014.

122. "Philosophy, Science and Public Policy", Public Evening Lecture at the German Center for Research and Innovation, New York, USA, September 2014.

123. "Voting, Deliberation and Truth", at the conference Bridges 2014: Philosophical Exchange on Inter-theoretical Relations, New York, USA, September 2014.

124. "Learning Conditionals", Department of Philosophy, University of Salzburg, Salzburg, Austria, May 2014.

125. "The No-Alternatives Argument", Department of Philosophy, University of Florence, Florence, Italy, May 2014.

126. "The No-Alternatives Argument", Department of Philosophy, University of Rome 3, Rome, Italy, May 2014.

127. "Voting, Deliberation and Truth", Lecture Series *Frontiers of Science, Technology, and Philosophy* at the Carl von Linde-Akademie, Technical University of Munich, Munich, Germany, May 2014.

128. "Ordinary Reasoning, Scientific Reasoning, and the Underdetermination of Theories by Data", at the Academic Retreat of the IDK REASON, Seeon Abbey, Germany, April 2014.

129. "Learning Conditionals", at the workshop *Philosophy of Probability*, Venice International University, San Servolo, Italy, April 2014.

130. "The No-Alternatives Argument", Sydney Centre for the Foundations of Science, University of Sydney, Sydney, Australia, March 2014.

131. "Learning Conditionals", Department of Philosophy, University of Toronto, Toronto, Canada, March 2014.

132. "The No-Alternatives Argument", Faculty of Physics, RWTH Aachen, Aachen, Germany, January 2013.

133. "A Bayesian Account of Explanatory Reasoning", at the workshop *Explaining without Causes – Non-causal Explanations in the Sciences, Mathematics and Philosophy*, University of Cologne, Cologne, Germany, December 2013 (with Matteo Colombo and Jan Sprenger).

134. "Probabilistic Modeling in Philosophy", at the conference *Probabilistic Modeling in Science and Philosophy,* University of Berne, Switzerland October 2013.

135. "Voting, Deliberation, and Truth", at the conference *Democracy and Truth*, University of Belgrade, Belgrade, Serbia, October 2013.

136. "Voting, Deliberation, and Truth", Department of Philosophy, University of Toronto, Toronto, Canada, September 2013.

137. "Learning Conditionals", Philosophical Colloquium, University of Groningen, The Netherlands, June 2013.

138. "Learning Conditionals", at the conference of the *Society for Exact Philosophy*, Montreal, Canada, May 2013.

139. "Keine-Alternativen Argumente in Wissenschaft und Philosophie", Colloquium, Department of Philosophy, University of Hamburg, Hamburg, Germany, May 2013.

140. "Keine-Alternativen Argumente in Wissenschaft und Philosophie", Colloquium, Center for Philosophy and Ethics of Science, University of Hanover, Germany, May 2013.

141. "The No-Alternatives Argument", IHPST, University of Toronto, Toronto, Canada, March 2013.

142. "Philosophy of Science as Scientific Philosophy", at the first conference of the *Gesellschaft für Wissenschaftsphilosophie (GWP)*, Hanover, Germany, March 2013.

143. "Abstimmung, Deliberation und Wahrheit", at the Workshop *Aktuelle Debatten in der Erkenntnistheorie: Wissen-wie und die soziale Dimension des Wissens*, Bochum, Germany, February 2013.

144. "Abstimmung, Deliberation und Wahrheit", Carl Friedrich von Siemens Stiftung, Munich, Germany, February 2013.

145. "Updating on Conditionals = Kullback-Leibler + Causal Structure", at the workshop *Belief Change in Social Context*, ILLC, Amsterdam, The Netherlands, December 2012.

146. "Updating on Conditionals = Kullback-Leibler + Causal Structure", at the workshop *Topics in Economics and Philosophy*, Swedish Collegium for Advanced Study (SCAS), Uppsala, Sweden, October 2012.

147. "Updating on Conditionals = Kullback-Leibler + Causal Structure", at the ESF-PSE Conference on *New Directions in the Philosophy of Science*, Bertinoro, Italy, October 2012.

148. "Voting, Deliberation, and Truth", at the workshop *Explanation, Models and Simulations in the Social and Behavioral Sciences*, University of Barcelona, Spain, October 2012.

149. "The Epistemology of Social Decision Making", a set of lectures given at the Tübingen International Summerschool (TISS) 2012 on *How do we Make Decisions? Perspectives from Philosophy and Science*, Cloister Heiligkreuztal, Germany, September 2012.

150. "Updating on Conditionals = Kullback-Leibler + Causal Structure", at the *Salzburg Conference for Young Analytic Philosophy: SOPhiA 2012*, Salzburg, Austria, September 2012.

151. "Updating on Conditionals = Kullback-Leibler + Causal Structure", at the SPP Workshop *Rationality Frameworks for Conditionals*, University of Munich, Germany, August 2012 (with Soroush Rafiee Rad).

152. TBA, at the workshop on *Theoretical Virtues in Theory Choice*, University of Konstanz, Germany, July 2012.

153. "Modeling the Emergence of Norms", at the conference *Values and Norms in Modeling*, TU Eindhoven, The Netherlands, June 2012.

154. "Über die Vereinbarkeit von Reduktion und Emergenz", Collegium Helveticum, ETH Zurich, Switzerland, June 2012.

155. "The No Alternatives Argument", at the *Formal Epistemology Workshop 2012*, LMU Munich, Germany, May 2012 (with Richard Dawid and Jan Sprenger).

156. "Updating on Conditionals = Kullback-Leibler + Causal Structure", at the 4^{th} *Workshop on the Philosophy of Information*, University of Hertfordshire, UK, May 2012.

157. TBA, at the AG Phil Kolloquium *The Metaphysics of Condensed Matter*, Berlin, Germany, March 2012.

158. "Imprecise Probabilities in Quantum Mechanics", at a symposium in celebration of Patrick Suppes's 90th birthday, Stanford University, USA, March 2012.

159. "Learning Conditionals", at the *Rationality and Decisions Workshop*, University of Munich, Germany, January 2012 (with Soroush Rafiee Rad).

160. "Generalized Dicke States", Institute for Quantum Optics and Quantum Information, Austrian Academy of Sciences, Innsbruck, Austria, January 2012.

161. "Voting, Deliberation, and Truth", Department of Philosophy, University of Western Ontario, London, ON Canada, December 2012.

162. "On the Aggregation of Value Judgments: An Epistemic Perspective", at the Fourth Copenhagen-Lund Workshop in Social Epistemology, Lund University, Sweden, December 2011.

163. "Voting, Deliberation, and Truth", at the symposium *Modeling Social Aspects of Science*, at the conference EPSA 2011, Athens, Greece, October 2011.

164. "Voting, Deliberation, and Truth", at the *Workshop in Mathematical Philosophy*, XXII. Deutscher Kongress für Philosophie, University of Munich, September 2011.

165. "Upper Probabilities in Quantum Mechanics and Quantum Information Theory", at the ESF workshop *The Philosophy of Computer Science and Artificial Intelligence*, Ponta Delgada, The Azores Islands, Portugal, September 2011.

166. "Models, Mechanisms, and Coherence", at the workshop *Mechanisms and Modelling in Cognitive Neuroscience*, University of Edinburgh, UK, June 2011.

167. "On the Emergence of Norms", at the Workshop on Computational Metaphysics, Munich Center for Mathematical Philosophy, University of Munich, Munich, Germany, June 2011.

168. "Who's Afraid of Nagelian Reduction?", at the symposium *Matter, Life, Mind – Common Foundational Problems*, Munich, Germany, June 2011.

169. "On Collective Aggregation of Individual Value Judgments", at the workshop *Deliberation - Individual and Public*, London School of Economics, London, UK, June 2011 (with Wlodek Rabinowicz).

170. "Voting, Deliberation and Truth", at the workshop *Deliberation - Individual and Public*, London School of Economics, London, UK, June 2011 (with Soroush Rafiee Rad).

171. "Anchoring in Deliberations", at the workshop *Deliberation - Individual and Public*, London School of Economics, London, UK, June 2011 (with Soroush Rafiee Rad).

172. "Wie entstehen deskriptive Normen?" Department of Philosophy, University of Bielefeld, Germany, May 2011.

173. "No-Alternatives Arguments", Department of Philosophy, Stockholm University, Sweden, May 2011.

174. "No-Alternatives Arguments", The Philosophy Seminar Series, Department of Philosophy, National University of Singapore, Singapore, April 2011.

175. "No-Alternatives Arguments", Research School of Social Sciences, The Australian National University, Canberra, Australia, April 2011.

176. "Voting, Deliberation, and Truth", at the conference The Authority of Science, University of Sydney, Australia, April 2011.

177. "No-Alternatives Arguments", Department of Philosophy, The University of Queensland, Brisbane, Australia, March 2011.

178. "Voting, Deliberation, and Truth", at the 2011 meeting of the European Epistemology Network (EEN), Lund University, Sweden, March 2011.

179. "Confirmation and Reduction: A Bayesian Account", Department of Philosophy, Lund University, Sweden, March 2011.

180. "Pluralistic Ignorance: A Bayesian Account", at the Second Copenhagen-Lund Workshop in Social Epistemology, Lund University, Sweden, February 2011.

181. "Voting, Deliberation, and Truth", Johann Bernoulli Institute of Mathematics and Computing Science, University of Groningen, The Netherlands, February 2011.

182. "Voting, Deliberation, and Truth", at the workshop *New Trends in the Philosophy of the Social Sciences*, UNED, Madrid, UNED, Madrid, Spain, December 2010.

183. "No-Alternatives Arguments", Department of Philosophy, Lund University, Sweden, December 2010.

184. "No-Alternatives Arguments", at the workshop *Epistemic Transmission and Interaction*, Copenhagen, Denmark, October 2010.

185. "Scientific Philosophy", at the *IX International Ontology Congress*, San Sebastian, Spain, September 2010.

186. "Confirmation and Reduction: A Bayesian Account", at the workshop *Pluralism in the Foundations of Statistics*, Canterbury, UK, September 2010.

187. "Voting, Deliberation, and Truth", at the conference *The Epistemology of Liberal Democracy*, Copenhagen, Denmark, August 2010.

188. "Confirmation and Reduction: A Bayesian Account", at the conference *Emergence in Physics*, London, UK, July 2010.

189. "Naturalizing Bayesianism", at the Annual Conference of the British Society for the Philosophy of Science, Dublin, Ireland, July 2010.

190. "Confirmation and Reduction: A Bayesian Account", at the Center for Formal Epistemology Opening Celebration, Carnegie Mellon University, Pittsburgh, USA, June 2010.

191. "Bayesian Network in Epistemology and Philosophy of Science" (three lectures), Formal Epistemology Series Week, Northern Institute of Philosophy, University of Aberdeen, UK, June 2010.

192. "Naturalizing Bayesianism", Department of Philosophy, University of Düsseldorf, Germany, May 2010.

193. "Naturalizing Bayesianism", Unit for Philosophy of Science, University of Vienna, Vienna, Austria, May 2010.

194. "Modeling in Philosophy of Science", Dutch-Flemish Network for the Philosophy of Science (NFWT), Ravenstein, The Netherlands, April 2010.

195. "Confirmation and Reduction: A Bayesian Account", at the conference *The Future of Philosophy of Science*, Tilburg University, The Netherlands, April 2010.

196. "What is Scientific Philosophy?", at the workshop *Scientific Philosophy: Past and Future*, Tilburg University, The Netherlands, April 2010 (with Jan Sprenger).

197. "Confirmation and Reduction: A Bayesian Account", at the workshop *Part and Whole in Physics*, Lorentz Center, Leiden, Netherlands, March 2010.

198. Comments on D. Helbing's "Understanding the Foundations of Society: Promises of a Multi-Disciplinary Dialogue", at the conference *Modeling, Simulation and the Reduction of Complexity*, Akademie der Wissenschaften in Hamburg, Hamburg, Germany, March 2010.

199. Comment on Maria Carla Galavotti's "Science and Probability", at the conference *Realism, Probability, and Truth Approximation*, Faculty of Philosophy, University of Groningen, The Netherlands, March 2010.

200. Comment on Alex Rosenberg's "Invariants, arms races and natural selection in human affairs?", at the workshop *Causality and Explanation in Physics, Biology and Economics*, University of Barcelona, Spain, February 2010.

201. Disagreement and Consensus, Northern Institute of Philosophy, University of Aberdeen, UK, December 2009.

202. "Who's Afraid of Nagelian Reduction?", at the workshop *Reductionism, Explanation and Metaphors in the Philosophy of Mind*, Bremen, Germany, September 2009.

203. "Dynamische komplexe Systeme: Philosophische Überlegungen und eine Anwendung", at the symposium *Wissenschaft und Philosophie für eine komplexe Welt* at the *Seventh International Congress of the German Society for Analytic Philosophy*, Bremen, Germany, September 2009.

204. "Who's Afraid of Nagelian Reduction?", Department of Theoretical Philosophy, University of Groningen, The Netherlands, June 2009.

205. "Warum reduzieren? Eine wissenschaftsphilosophische Betrachtung", Philosophical Colloquium, University of Konstanz, Germany, June 2009.

206. "Disagreement and Consensus in Science", Philosophy and Ethics of Technology Program, TU-Eindhoven, The Netherlands, June 2009.

207. "A Philosopher Looks at Effective Field Theories", at The Thirteenth Seven Pines Symposium on *Effective Field Theories in Condensed Matter Physics*, Pine Point, Minnesota, USA, May 2009.

208. "Who's Afraid of Nagelian Reduction?", Department of Philosophy, University of Toronto, Toronto, Canada, May 2009.

209. "Who's Afraid of Nagelian Reduction?", Department of Philosophy, University of South Carolina, Columbia, USA, May 2009.

210. "Disagreement and Consensus in Science", Philosophy, Politics and Economics Seminars, University of Pennsylvania, Philadelphia, USA, April 2008.

211. "Bayesian Epistemology: An Overview", Dutch Research Seminar for Analytic Philosophy, Utrecht University, The Netherlands, April 2009.

212. "Disagreement and Consensus in Science", Philosophy Colloquium, University of Melbourne, Australia, April 2009.

213. "Disagreement and Consensus in Science", Formal Philosophy Seminar, University of Leuven, Beligum, March 2009.

214. "Disagreement and Consensus in Science", Department of History and Philosophy of Science, University of Cambridge, UK, February 2009.

215. "Probability and Decoherence", LARSIM seminar, Paris, France, February 2009.

216. "Formal Methods and Empirical Psychology", at the conference of the ESF Research Program The Philosophy of Science in a European Perspective, Vienna, Austria, December 2008.

217. "Modellbildung in der Sozialwahltheorie", Akademie der Wissenschaften in Hamburg, Hamburg, Germany, December 2008.

218. "Modellbildung in der Sozialwahltheorie", Institute for Science and Technology Studies, University of Bielefeld, Germany, November 2008.

219. "Disagreement and Consensus in Science", Centre for Logic and Philosophy of Science, Gent University, Belgium, November 2008.

220. "Judgement Aggregation in Networked Groups", at the workshop on Computer Simulations in Social Epistemology, University of Leuven, Beligum, October 2008 (with Carlo Martini).

221. "Computer Simulations in Political Science and Political Philosophy", at the symposium *Simulating Social Phenomena*, XXI. Deutscher Kongress für Philosophie, University of Duisburg-Essen, September 2008.

222. "Theories, Models and Phenomena: A Bayesian Account", at the conference *Data - Phenomena - Theories: What's the Notion of a Scientific Phenomenon Good for?*, Heidelberg, Germany, September 2008.

223. "Towards a Model-Based Scientific Philosophy", at the *Evert Willem Beth Centenary Conference*, Amsterdam, The Netherlands, September 2008.

224. "Formal Methods in Philosophy of Science", at the workshop *Formal Methods in Philosophy* at the *Sixth European Congress for Analytic Philosophy*, Cracow, Poland, August 2008. (not attended)

225. "Consensus, Compromise, and Judgment Aggregation", at the *31st International Wittgenstein Symposium*, Kirchberg, Austria, August 2008. (not attended)

226. "Konsens, Kompromiss und das diskursive Dilemma", Colloquium, Center for Philosophy and Ethics of Science, University of Hanover, Germany, July 2008.

227. "Consensus, Compromise, and Judgment Aggregation", Working Group in History and Philosophy of Logic, Mathematics and Science, University of California at Berkeley, USA, April 2008.

228. "Between Unity and Disunity: A Bayesian Account of Intertheoretic Relations", at the workshop *Probability, Confirmation and Fallacies*, University of Leuven, Belgium, April 2008.

229. "Judgment Aggregation: An Epistemic Perspective", Logos Colloquium, Universitat de Barcelona, Spain, March 2008.

230. "Wahrscheinlichkeitstheoretische Methoden in der Wissenschaftstheorie", at the conference *Was ist Wissenschaft? Darstellung und Bestandsaufnahme der deutschen Wissenschaftsphilosophie*, Bonn, Germany, March 2008.

231. "Consensus, Deliberation and the Paradoxes of Judgment Aggregation", Philosophy of Probability Seminar, IHPST, Paris, France, December 2007.

232. "Consensus, Deliberation and the Paradoxes of Judgment Aggregation", Center for Logic and Analytic Philosophy, University of Leuven, Belgium, December 2007.

233. "Between Unity and Disunity: A Bayesian Account of Intertheoretic Relations", Zeno Lecture, Leiden University, The Netherlands, November 2007.

234. "Reliable Methods of Judgment Aggregation", EIPE Research Seminars, Erasmus University Rotterdam, The Netherlands, November 2007.

235. "Merging Judgments and the Problem of Truth-Tracking", at *progic07: The Third Workshop on Combining Probability and Logic*, University of Kent, UK, September 2007.

236. "Consensus, Deliberation and the Paradoxes of Judgment Aggregation", at the *Judgment Aggregation Workshop*, Freudenstadt, Germany, September 2007.

237. "Between Unity and Disunity: A Bayesian Account of Intertheoretic Relations", at the workshop *The Formal and the Empirical – Tensions in Scientific Knowledge*, University of Wuppertal, Germany, May 2007.

238. "Merging Judgments and the Problem of Truth-Tracking", at the symposium *Recent Work on Judgment Aggregation*, Annual Meeting of the Pacific Division of the American Philosophical Association, San Francisco, CA, USA, April 2007 (with Gabriella Pigozzi).

239. "Probability and Decoherence", *Philosophy of Physics Research Seminar*, Sub-Faculty of Philosophy, University of Oxford, UK, February 2007.

240. "Probability and Decoherence", *Sigma Club Seminar*, London School of Economics, London, UK, January 2007.

241. "Naturalisierter Bayesianismus", Philosophical Colloquium, Department of Philosophy, University of Bonn, Germany, December 2006.

242. "Modeling in Philosophy of Science", Belgian Society for Logic and Philosophy of Science, Brussels, Belgium, December 2006.

243. "Merging Judgments and the Problem of Truth-Tracking", at the 8th Augustus de Morgan Workshop on *Belief Revision, Belief Merging and Social Choice*, King's College London, UK, November 2006 (with Gabriella Pigozzi).

244. "Unification and Coherence", at the symposium *Unification in Science - The Hows and Whys*, at the conference PSA 2006, Vancouver, Canada, November 2006.

245. "Probability and Decoherence", at the workshop on *Probabilities, Causes and Propensities in Physics*, Complutense University, Madrid, Spain, October 2006 (with Patrick Suppes).

246. "Aggregating Judgments vs. Aggregating Desires", at the workshop *Aggregation of Opinions*, Cowles Foundation for Research in Economics at Yale University, New Haven, USA, September 2006 (with Gabriella Pigozzi).

247. "Probability and Decoherence", at the workshop *Decoherence, Quantum Measurement and the Arrow of Time*, Beuggen, Germany, September 2006 (with Patrick Suppes).

248. "Computer Simulations, Experiments and Statistics", at the symposium *A New Philosophical Image of Science*, at the conference HOPOS 2006, Paris, France, June 2006.

249. "Modeling in Philosophy of Science", Department of Philosophy, University of Glasgow, UK, June 2006.

250. "Comments on Jon Williamson: Inductive Influence", at the Formal Epistemology Workshop 2006, University of California at Berkeley, USA, May 2006.

251. "Unification and Coherence", Research School of Social Sciences, The Australian National University, Canberra, Australia, April 2006.

252. "Modeling in Philosophy of Science", Centre for Time, University of Sydney, Australia, April 2006.

253. "What Is a Scientific Theory? A Bayesian Account", Monash Bayesian Reasoning Workshop 2006, Melbourne, Australia, April 2006.

254. "Probability and Decoherence", Sothern California Philosophy of Physics Group, Irvine, USA, March 2006 (with Patrick Suppes).

255. "Modeling in Philosophy of Science", Center for Philosophy of Science, University of Pittsburgh, USA, March 2006.

256. "Unification and Coherence", Department of Philosophy, Carnegie Mellon University, Pittsburgh, USA, March 2006.

257. "Modeling in Philosophy of Science", Department of Philosophy, University of California at Davis, USA, February 2006.

258. "Modeling in Philosophy of Science", Department of Philosophy, University of Geneva, Switzerland, February 2006.

259. "Modeling in Philosophy of Science", Department of Logic and Philosophy of Science, University of California at Irvine, USA, January 2006.

260. "Modeling in Philosophy of Science", Department of Philosophy, Ohio State University, Columbus, Ohio, January 2006.

261. "Interpretations of Quantum Mechanics and Interpretations of Probability", at the conference *Philosophical and Foundational Problems of Modern Physics*, Budapest, Hungary, 2005. (Conference not attended)

262. "A Utilitarian Assessment of Alternative Decision Rules in the Council of Ministers"', at the conference *Logic, Game Theory and Social Choice 4*, University of Caen, France, 2005 (presented by Luc Bovens).

263. "Modeling Partially Reliable Information Sources", at the conference *Formal Epistemology 2005*, University of Texas at Austin, USA, 2005 (with Rolf Haenni).

264. "Why There Cannot Be a Single Probabilistic Measure of Coherence", at the *Formal Epistemology Symposium*, Rotterdam, Netherlands, 2005 (with Luc Bovens).

265. "A Reply to Glymour, Joyce and Sober", at the Author Meets Critics session on the book *Bayesian Epistemology*, 2005 Annual Meeting of the Pacific Division of the *American Philosophical Association*, San Francisco, CA, USA, 2005.

266. "Formal vs. Historical Accounts of Scientific Theory Change", British Society for the Philosophy of Science, London, UK, 2005.

267. "The Formalist and the Historicist Should be Friends", at the conference *Formal vs. Historical Accounts of Scientific Theory Change* in Paris, France, 2004.

268. "Superoperator Methods in Quantum Optics", Department of Mathematics, Royal Holloway, London, UK, 2004.

269. "Bayesianism and the Practice of Science", at the workshop *Rationality and Patterns of Reasoning*, Bertinoro, Italy, 2004.

270. "Models in Science and Philosophy", at a symposium of the Lauener-Stiftung in honor of Patrick Suppes. Bern, Switzerland, 2004.

271. "Modeling High-Temperature Superconductivity: Correspondence at Bay?", at the International Conference *Rethinking the Comparative Evaluation of Scientific Theories: Stabilities, Ruptures, Incommensurabilities?* in Nancy, France, 2004.

272. "Parameterising the Atomic Nucleus: Explanation, Prediction and the Role of Intertheoretic Coherence", in the *Weekly Philosophy of Physics Seminar*, Sub-Faculty of Philosophy, University of Oxford, UK, 2004.

273. "Bayesian Epistemology I", at a workshop on the book L. Bovens and S. Hartmann, *Bayesian Epistemology* (OUP 2003), Department of Philosophy, University of Rotterdam, Netherlands, 2004.

274. "Probabilistic Modeling in Philosophy", *History and Philosophy of Science Seminar*, University of Leeds, UK, 2004.

275. "Reduction and Emergence in Particle Physics", at the conference *Emergence: Issues in Philosophy of Science*, Paris, France, 2004.

276. "Probabilistic Modeling in Philosophy", three lectures at the conference *Formal Epistemology 2004*, University of California at Berkeley, USA, 2004.

277. "Varieties of Spaces", at the Workshop *Spaces and Constraints* of the Strategy Institute of Boston Consulting Group, Oxford, UK, 2003.

278. "Warum interessieren sich Philosophen für naturwissenschaftliche Modelle?" at the conference *Modellbildung in den Naturwissenschaften*, Studienstiftung der deutschen Volkes, Kloster Drübeck/Harz, Germany, 2003 .

279. "Parameterizing the Atomic Nucleus: Explanation, Prediction and the Role of Intertheoretic Coherence", at the *Philosophy, Probability and Physics Seminar*, University of Konstanz, Germany, 2003.

280. "Bayesian Coherentism", *Popper Seminar*, Department of Philosophy, Logic and Scientific Method, London School of Economics and Political Science, London, UK, 2003.

281. "Welfare, Voting and the Constitution of a Federal Assembly", Joint Weekend of New LSE Philosophy Students, Cumberland Lodge, 2004.

282. "Parameterizing the Atomic Nucleus: Explanation, Prediction and the Role of Intertheoretic Coherence", *Philosophy of Physics Seminar*, Department of Philosophy, University of Bristol, UK, 2003.

283. "Bayesian Coherentism I", at the workshop *Coherence* at the *Fifth International Congress of the German Society for Analytic Philosophy*, Bielefeld, Germany, 2003.

284. "Theories and Models: A Probabilistic Account", at the symposium *Models in Philosophy of Science* at the *Fifth International Congress of the German Society for Analytic Philosophy*, Bielefeld, Germany, 2003.

285. "Witness Reliability, the Condorcet Jury Theorem and the Conjunction Fallacy", at the workshop *Philosophy and Probability* at the *Fifth International Congress of the German Society for Analytic Philosophy*, Bielefeld, Germany, 2003 (with Luc Bovens).

286. "Bayesian Coherentism I", at the workshop *Bayesian Epistemology* at the *26th International Wittgenstein Symposiums*, Kirchberg, Austria, 2003.

287. "Parameterizing the Atomic Nucleus: Explanation, Prediction and the Role of Intertheoretic Coherence", at the symposium *Models, Simulations, and the Application of Mathematics*, Center for Interdisciplinary Research (ZiF), Bielefeld, Germany, 2003.

288. "Modellbildung in der Philosophie", Department of Philosophy, University of Düsseldorf, Germany, 2003.

289. "A Bayesian Approach to Information Gathering and Belief Formation", at the workshop *BayesDays '03*, Centre for Interdisciplinary Plasma Science, Max Planck Insitute for Plasma Physics, Garching, Germany, 2003.

290. "Bayesian Coherentism", William Bennett Munro Memorial Seminar, California Institute of Technology, USA, 2003.

291. Comment on A. Rueger, "Incompatible Models for Scientific Realist", 2003 Annual Meeting of the Pacific Division of the *American Philosophical Association*, San Francisco, CA, USA, 2003.

292. "Modellbildung in der Philosophie", contribution to the Lecture Series *Aktuelle Probleme der Wissenschafts- und Erkenntnistheorie*, University of Hamburg, Germany, 2002.

293. "Explanation, Reduction and Fundamental Physics", Department of Philosophy, University of Colorado, Boulder, USA, 2001.

294. "Towards a Probabilistic Model for Belief Change", Department of Computing, University of Alberta, Edmonton, Canada, 2001.

295. "Explanation, Reduction and Fundamental Physics", Department of Philosophy, University of Alberta, Edmonton, Canada, 2001.

296. "Explanation, Reduction and Fundamental Physics", Department of Philosophy, University of South Carolina, Columbia, USA, 2001.

297. "Solving the Riddle of Coherence", at the Colloquium "On Keith Lehrer's Epistemology", University of Konstanz, Germany, 2000.

298. "Bayesian Networks in Epistemology and Philosophy of Science", Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, 2000.

299. "Das Raumproblem im Briefwechsel von Oskar Becker mit Hans Reichenbach und Paul Lorenzen", at the Colloquium "Die Philosophie und die Wissenschaften. Zum Werk von Oskar Becker", Hagen, Germany, 2000.

24 invited lectures between 1993 and 1999

Contributed Papers

1. "Why More Evidence May Convince You Less: Evidence, Reliability and Bayesian Rationality", at the *48th Annual Meeting of the Cognitive Science Society*, Rio de Janeiro, Brasil, July 2024 (with Edoardo Baccini).

2. "Farewell to Scientific Coherentism?", at the conference PSA 2024, New Orleans, USA, November 2024 (with Borut Trpin).

3. "A New Posterior Probability-Based Measure of Coherence", at the *46nd Annual Meeting of the Cognitive Science Society*, Rotterdam, The Netherlands, July 2024 (with Borut Trpin).

4. "The Open Systems View and the Everett Interpretation", at the *2023 Conference of the Society for Metaphysics of Science*, Dalhousie University, Halifax, Canada, August 2023.

5. "On the Analogy between Effective and Open", at the symposium "Open and Closed Systems in Quantum Physics and Cosmology" at the conference *Foundations2023: The 21st European Conference on Foundations of Physics*, Bristol, UK, July 2023 (with Sebastien Rivat).

6. "Bayesian Philosophy of Science as Scientific Philosophy", at the symposium *Bayesian Models in Philosophy of Science*, at the conference PSA 2020/2021, Baltimore, MD, USA, November 2021 (with Jan Sprenger).

7. "How to Revise Beliefs from Conditionals: A New Proposal", at the *43nd Annual Meeting of the Cognitive Science Society*, Vienna, Austria, July 2021 (with Ulrike Hahn).

8. "A New Approach to Testimonial Conditionals", at the *42nd Annual Meeting of the Cognitive Science Society*, Toronto, Canada, July 2020 (with Ulrike Hahn).

9. "A New Probabilistic Explanation of the Modus Ponens–Modus Tollens Asymmetry", at the *41st Annual Meeting of the Cognitive Science Society*, Montreal, Canada, July 2019.

10. "Prospect Theory and the Wisdom of the Inner Crowd", at the *52nd Society for Mathematical Psychology & 17th International Conference on Cognitive Modelling Meetings*, Montreal, Canada, July 2019.

11. "Anchoring in Deliberations", at the conference *Biases in Science*, LMU Munich, April 2019.

12. "The Open Systems View as Fundamental", at the symposium *The Philosophy of Open Quantum Systems*, at the conference PSA 2018, Seattle, WA, USA, November 2018 (with Mike Cuffaro).

13. "The Similarity of Causal Structure", at the conference PSA 2018, Seattle, WA, USA, November 2018 (with Ben Eva and Reuben Stern).

14. "The Open Systems View as Fundamental", at the symposium *The Philosophy of Open Quantum Systems*, at the conference BSPS 2018, Oxford, UK, July 2018 (with Mike Cuffaro).

15. "Conditionals, Testimony, and Causal Structure", at the conference *MuST10: Causation and Complexity* at the University of Sydney, Australia, March 2017.

16. "Bayesian Argumentation," at the symposium *If, Then, Otherwise: A Symposium on Conditionals* at the 23rd Annual Meeting of the European Society for Philosophy and Psychology, Tartu, Estonia, July 2015.

17. "A New Solution to the Problem of Old Evidence", at the 2015 Annual Meeting of the Central Division of the *American Philosophical Association*, St. Louis, MO, USA, February 2015.

18. "A New Solution to the Problem of Old Evidence", at the conference *PSA 2014*, Chicago, USA, November 2014.

19. "Abstimmen, Deliberieren und Wahrheit", at the *Jahrestagung des DVPW Arbeitskreises 'Handlungs- und Entscheidungstheorie'*, Munich, Germany, June 2013.

20. "Updating on Conditionals = Kullback-Leibler + Causal Structure", at the conference *PSA 2012*, San Diego, USA, November 2012 (with Soroush Rafiee Rad).

21. "The No-Alternatives Argument", at the *8th International Congress of the German Society for Analytic Philosophy*, Konstanz, Germany, September 2012 (with Richard Dawid and Jan Sprenger).

22. "Updating on Conditionals = Kullback-Leibler + Causal Structure", at the *8th International Congress of the German Society for Analytic Philosophy*, Konstanz, Germany, September 2012 (with Soroush Rafiee Rad).

23. "Voting, Deliberation, and Truth", at the conference *Democracy, Legality and Policy*, Tilburg, The Netherlands, May 2012.

24. "Generalized Dicke States", at the DPG Frühjahrstagung, Göttingen, Germany, February 2012.

25. "Voting, Deliberation, and Truth", at the Episteme at CMU conference on *Social Epistemology meets Formal Epistemology: Recent developments and New Trends*, Carnegie Mellon University, Pittsburgh, USA, June 2011 (with Soroush Rafiee Rad).

26. "Integrative Reduction, Confirmation, and the Syntax-Semantics Map", at the *Formal Epistemology Workshop*, University of Southern California, Los Angeles, USA, May 2011 (with Kristina Liefke).

27. "Sources of Disagreement among Rational Agents", at the conference *Evidence, Science and Public Policy*, Sydney, Australia, March 2009 (with Jan Sprenger).

28. "Consensus, Compromise, and Judgment Aggregation", International Network for Economic Method Conference, Madrid, Spain, September 2008 (with Jan Sprenger).

29. "Consensus, Compromise, and Judgment Aggregation", at the 9th International Meeting of the Society for Social Choice and Welfare, Montreal, Canada, June 2008 (with Jan Sprenger).

30. "Judgment Aggregation and the Problem of Truth-Tracking", at the SILFS 2007 Conference, Milan, Italy, October 2007 (with Gabriella Pigozzi).

31. "Judgment Aggregation and the Problem of Truth-Tracking", at the 38^{th} Meeting of the European Mathematical Psychology Group, Luxembourg, Luxembourg, September 2007 (with Gabriella Pigozzi).

32. "Information Fusion, Collective Decision Making and Truth Tracking", at the conference *Modeling Decisions for Artificial Intelligence*, Kitakyushu, Japan, August 2007 (with Gabriella Pigozzi) (not attended).

33. "Merging Judgments and the Problem of Truth-Tracking", at the 5th International Conference on Logic, Game Theory and Social Choice, Bilbao, Spain, June 2007 (with Gabriella Pigozzi).

34. "Aggregation in Multi-Agent Systems and the Problem of Truth-Tracking", at *TARK XI*, Brussels, Belgium, June 2007 (with Gabriella Pigozzi).

35. "Merging Judgments and the Problem of Truth-Tracking", at the conference of the *Society for Exact Philosophy*, Vancouver, Canada, May 2007 (with Gabriella Pigozzi) (not attended).

36. "Aggregation in Multi-Agent Systems and the Problem of Truth-Tracking", at the *Sixth International Joint Conference on Autonomous Agents and Multi-Agent Systems*, Honolulu, HI, USA, May 2007 (with Gabriella Pigozzi).

37. "Probability and Decoherence", at the *15th UK and European Meeting on the Foundations of Physics*, University of Leeds, UK, March 2007.

38. "Merging Judgments and the Problem of Truth-Tracking", at the *1st International Workshop on Computational Social Choice (COMSOC-2006)*, Amsterdam, The Netherlands, December 2006 (with Gabriella Pigozzi).

39. "Welfarism and the Assessments of Social Decision Rules", at the *1st International Workshop on Computational Social Choice (COMSOC-2006)*, Amsterdam, The Netherlands, December 2006 (with Claus Beisbart).

40. "Modeling Scientific Theory Change", at the *Fifth European Congress for Analytic Philosophy*, Lisbon, Portugal, 2005.

41. "Understanding, Explanation, and Scientific Models", at the conference *Philosophical Perspectives on Scientific Understanding*, Amsterdam, The Netherlands, 2005 (with Roman Frigg).

42. "Why There Cannot Be a Single Probabilistic Measure of Coherence", at the conference of the *Society for Exact Philosophy*, Toronto, Canada, 2005 (with Luc Bovens).

43. "Parameterizing the Atomic Nucleus: Explanation, Prediction and the Role of Intertheoretic Coherence", at the symposium "Model Construction and Evaluation in the Computationally Complex Sciences", at the conference PSA 2002, Milwaukee, USA.

44. "Explanatory Pluralism Made Coherent", at the International Congress *Causation and Explanation in Natural and Social Sciences*, Ghent, Belgium, 2002.

45. "Welfare, Voting and the Constitution of a Federal Assembly", at the *Fourth European Congress for Analytic Philosophy*, Lund, Sweden, 2002 (with Luc Bovens).

46. "An Impossibility Result for Coherence Rankings", at the *Fourth European Congress for Analytic Philosophy*, Lund, Sweden, 2002 (with Luc Bovens).

47. "Welfare, Voting, and the Constitution of a Federal Assembly", at the 2002 Annual Meeting of the Pacific Division of the *American Philosophical Association*, Seattle, WA, USA, 2002 (with Luc Bovens).

48. "Explanation, Reduction and Fundamental Physics", at the *Annual Philosophy of Science Conference,* Dubrovnik, Croatia, 2002.

49. "Kohärenter explanatorischer Pluralismus", at the *XIX. Deutsche Kongress für Philosophie* in Bonn, Germany, 2002.

50. "The Variety-of-Evidence Thesis and the Reliability of Instruments: A Bayesian-Network Approach", at the Conference "Computation and Philosophy", Carnegie Mellon University, Pittsburgh, USA, 2001.

51. "Belief Expansion, Contextual Fit and the Reliability of Information Sources", at the conference "Context 2001", Dundee, UK, 2001 (with Luc Bovens).

52. "The Import of Auxiliary Theories of the Instrument: A Bayesian-Network Approach", at the 2001 Annual Meeting of the Pacific Division of the *American Philosophical Association*, San Francisco, CA, USA, 2001.

53. "The Variety-of-Evidence Thesis and the Reliability of Instruments: A Bayesian-Network Approach", at the 2001 Annual Meeting of the Central Division of the *American Philosophical Association*, Minneapolis, MI, USA, 2001.

54. "Model Based Reasoning in Social Choice Theory", at the conference "Model Based Reasoning 2001", Pavia, Italy, 2001.

55. "The Import of Auxiliary Theories of the Instrument: A Bayesian-Network Approach", at the confernece of the *Society for Exact Philosophy*, Montreal, Canada, 2001 (with Luc Bovens).

56. "Solving the Riddle of Coherence", at the conference of the *Society for Exact Philosophy*, Montreal, Canada, 2001 (with Luc Bovens).

57. "The Import of Auxiliary Theories of the Instrument: A Bayesian-Network Approach", at the meeting of *The British Society for the Philosophy of Science*, York, UK, 2001 (with Luc Bovens).

58. "Coherence, Belief Expansion, and Bayesian Networks", at the *8th Intl. Workshop on Non-Monotonic Reasoning NMR'2000*, Breckenridge, CO, USA, 2000 (with Luc Bovens).

59. "Bayesian Networks in Epistemology and Philosophy of Science", at the conference *Computation and Philosophy*, Carnegie-Mellon University, Pittsburgh, USA, 2000.

60. "Bayesian Networks in Epistemology and Philosophy of Science", at the *14th European Conference on Artificial Intelligence (ECAI)*, Berlin, Germany, 2000.

61. "The Riddle of Coherence", at the *Forth International Congress of the German Society for Analytic Philosophy*, Bielefeld, Germany, 2001.

62. "Bayesian Networks in Epistemology and Philosophy of Science", at the conference "Foundations of the Formal Sciences II", Bonn, Germany, 2000.

14 contributed papers between 1993 and 1999

Other Public Appearances

1. "Wissenschaft, Technik und die Probleme unserer Zeit", Lernfest – Wirtschaftsempfang, Benediktbeuern, Germany, May 2014.

2. "Mathematische Modelle in Philosophie und Wissenschaft", 10. Deggendorfer Forum zur Digitalen Datenanalyse, Deggendorf, Germany, June 2014.

3. "Welfare, Voting, and the Constitution of a Federal Assembly", to the *Philosophical Society*, Nottingham High School, Nottingham, UK, 2005.

4. "Mathematical Mysteries." A Dialogue with Fabio Toscano at the Italian Institute, London, UK, 2005.

Teaching and Supervision

Stephan Hartmann
Munich Center for Mathematical Philosophy
LMU Munich
Geschwister-Scholl-Platz 1
80539 Munich, Germany

Teaching and supervision at LMU Munich

A. Courses

1. Philosophie und Psychologie der Wahrscheinlichkeit (seminar, bachelor level, winter semester 2025/26, conducted at the Venice International University)
2. Philosophie und Wahrscheinlichkeit (seminar, bachelor level, summer semester 2022)
3. Epistemic Justification (seminar, master level, winter semester 2021/2022)
4. Philosophy of Artificial Intelligence (seminar, master level, winter semester 2020/2021)
5. Laws of Nature (seminar, master level, summer semester 2020; co-taught with Daniele Oriti, Faculty of Physics, LMU)
6. Social Choice Theory (seminar, master level, summer semester 2019)
7. Research Colloquium for MA and PhD Students (summer semester 2019, 2020 and 2021)
8. Einführung in die Philosophie der Quantenmechanik (seminar, bachelor level, winter semester 2018/2019 and summer semester 2021)
9. Foundations of Quantum Mechanics and Quantum Information Theory (seminar, master level, summer semester 2018)
10. Argumentation (seminar, master level, winter semester 2015/2016)

11. Einführung in die Politische Philosophie (seminar, bachelor level, summer semester 2015)

12. Wissenschaft und Religion (seminar, bachelor level, winter semester 2014/2015)

13. Reasoning (seminar, master level, summer semester 2014)

14. Foundations of Quantum Mechanics (seminar, master level, winter semester 2013/2014; joint seminar with the Department of Philosophy at Stanford University, led. by Prof. Patrick Suppes)

15. Central Topics in the Philosophy of Science (seminar, master level, winter semester 2012/2013, 2013/2014, 2014/2015, 2015/2016, 2017/2018, 2018/2019, 2020/2021, 2021/2022 and 2025/2026)

16. Theoretische Philosophie I: Einführung in die Wissenschaftstheorie (lecture, undergraduate level, summer semester 2013, 2014, 2015, 2024)

17. Introduction to Mathematical Philosophy (with Hannes Leitgeb, Coursera course, summer semester 2013, 2014, and 2015)

B. Supervised Postdocs and Assistant Professors

1. Marc Artiga (now lecturer at the University of Barcelona)

2. Bengt Autzen (now at University College Cork)

3. Edoardo Baccini (postdoc)

4. Ali Barzegar

5. Seamus Bradley

6. Adam Caulton (Assistant Professor; now Associate Professor at Oxford University)

7. Lorenzo Casini (now Assistant Professor at the University of Bologna)

8. Peter Collins (now Senior Lecturer at Goldsmiths, University of London; Psychology)

9. Michael Cuffaro (now Humboldt Fellow at the MCMP)

10. Erik Curiel (now Senior Researcher at the University of Bonn and Distinguished Scholar, Black Hole Initiative, Harvard University)
11. William D'Alessandro (now Assistant Professor at William & Mary)
12. Richard Dawid (now Professor at the University of Stockholm)
13. Neil Dewar (now Associate Professor at the University of Cambridge)
14. Joe Dewhurst
15. Malte Doehne (now at the University of Zurich; Sociology)
16. John Dougherty (Assistant Professor)
17. Benjamin Eva (now Associate Professor at Duke University)
18. Alexander Gebharter (now Assistant Professor at the University of the Marche)
19. Luke Fenton-Glynn (now Senior Lecturer at Monash University)
20. Samuel Fletcher (Marie Curie Fellow; now Professor at the University of Oxford)
21. Catherine Herfeld (now Professor of Philosophy and History of Economics at the University of Hannover)
22. Milena Ivanova (now at the University of Cambridge)
23. Ina Jantgen (postdoc)
24. Silvia Jonas (now Junior Professor at the University of Bamberg)
25. Anita Keshmirian (now Assistant Professor at Forward College, Berlin)
26. Martin King (postdoc)
27. Karolina Krzyzanowska (now Assistant Professor at the University of Amsterdam)
28. Jürgen Landes (postdoc)
29. Laurie Letertre (Marie Curie Fellow)

30. Kristina Liefke (now Junior Professor (tenure-track) at the Ruhr University Bochum)

31. Chiara Lisciandra (now Assistant Professor at the University of Utrecht)

32. Luis Lopez (postdoc)

33. Sebastian Lutz (now Associate Professor at the University of Uppsala)

34. Conor Mayo-Wilson (Assistant Professor; now Associate Professor at the University of Washington)

35. Alice Murphy (postdoc)

36. Ignacio Ojea Quintana (Assistant Professor)

37. Barbara Osimani (now Associate Professor at the University of the Marche)

38. Clayton Peterson (now Professor at the at the Université du Québec à Trois-Riviéres)

39. Soroush Rafiee Rad (now postdoctoral researcher at the Dutch Institute for Emergent Phenomena (DIEP) and Institute for Logic, Language, and Computation (ILLC) of the University of Amsterdam)

40. Alexander Reutlinger (Associate Professor; tenured)

41. Sébastien Rivat (postdoc; now ERC Starting grant holder at the MCMP)

42. Giorgio Sbardolini (Marie Curie Fellow; now Assistant Professor at the University of Amsterdam)

43. Simon Scheller (now at the University of Bamberg; Political Science)

44. Dunja Šešelja (now Professor at Ruhr University Bochum)

45. Giovanni Sommazzi (Marie Curie Fellow)

46. Reuben Stern (now Assistant Professor at Duke University)

47. Tom Sterkenburg (Emmy Noether group leader at the MCMP)
48. Rush Stewart (Assistant Professor; now Associate Professor at the University of Rochester)
49. Gabriel Tarziu (Marie Curie Fellow)
50. Karim Thébault (Assistant Professor; now Associate Professor at the University of Bristol)
51. Borut Trpin (now Assistant Professor at the University of Ljubljana)
52. Naftali Weinberger
53. Gregory Wheeler (Assistant Professor; now Professor at the Frankfurt School of Finance and Management; Computer Science and Philosophy)

C. Supervised Habilitation Projects

1. Erik Curiel (started 2020)
2. Neil Dewar (finished 12/2020; now at the University of Cambridge)
3. Simon Friederich (finished 2019; now Associate Professor at the University of Groningen)
4. Alexander Gebharter (started 2022)
5. Silvia Jonas (started 2019)
6. Jürgen Landes (finished 06/2021; now at the MCMP)
7. Chiara Lisciandra (started 2023)
8. Alexander Reutlinger (finished 2017; now at the MCMP)
9. Raphael Scholl (finished 12/2023; now at the University of Pittsburgh)
10. Tom Sterkenburg (started 2025)

D. Supervised PhD students

1. Leon Assaad (entered program 10/2022)
2. Cameron Beebe (10/2015–2020; GSN; "Knowledge Transfer in Cognitive Systems Theory: Models, Computation and Explanation")
3. Johannes Bommes (entered program 10/2024; GSN)
4. Omid Charrakh (10/2017–03/2023; "The Foundations of Quantum Causal Inference: the Case of Machine Learning Methods")
5. Radin Dardashti (10/2012–07/2016; "Challenging Scientific Methodology: Theory Assessment and Development in Modern Fundamental Physics"; now Professor at the University of Mainz)
6. Jan Dziewior (second examiner, finished 03/2025; Faculty of Physics, LMU, "Probing Quantum Reality – Weak Values and Double-Slit Trajectories")
7. Lee Elkin (01/2014–06/2017; "Imprecise Probability in Epistemology")
8. Timo Freiesleben (09/2019–05/2023; GSN; "What Does Explainable AI Explain?"; now postdoc at the MCMP)
9. Johannes L. Keller (entered program 01/2016)
10. Johannes Kleiner (01/2020–05/2025; GSN; "Topics in Mathematical Consciousness Science")
11. José Leyva Galano (10/2014–02/2024; "Anchoring in Deliberation of Structured Groups")
12. Alex Mathie (entered program 08/2019)
13. Killian Francis McGrath (07/2018–02/2026; "A Clearing in Being: Consciousness, Science, and the Question of Ontology")
14. Christoph Merdes (04/2014–07/2018; "Collective Irrationality: An Agent-Based Approach")
15. Matías Osta Vélez (08/2017–11/2020; "Inference and the Structure of Concepts"; Cotutelle/binational PhD with the Sorbonne)

16. Patricia Palacios (11/2014–07/2018; "Phase Transitions in Science – Selected Philosophical Topics"; now Associate Professor at the University of Salzburg)

17. Rolf Pfister (03/2019–07/2025; "Towards a Conditional Theory of Abduction as a Foundation for Artificial Intelligence")

18. Elena Rabinoff (entered program 01/2020)

19. Simone Salzano (entered program 10/2025; Cotutelle/binational PhD with the University of Urbino)

20. Arthur Saraiva (entered program 10/2025)

21. Luna de Souter (examiner, finished 11/2025; University of Bergen; "Defining and Discovering Causal Regularities")

22. Pascal Stöing (01/2014–07/2018; "Scientific Phenomena and Patterns in Data")

23. Gašper Štukelj (09/2016–2020; "Significance of Neural Noise"; GSN)

24. Lilian von Bressensdorf (entered program 10/2022)

25. Harry Waterstone (09/2017–07/2024; "Bayesian Models of Uncertainty in Ellsberg Problems"; GSN)

26. Christian J. Feldbacher-Escamilla (University of Düsseldorf, external supervisor; thesis title: "Epistemic Engineering: Uncovering the Logic of Deceivability and Meta-Induction"; successfully defended 11/2018)

27. Remco Heesen (CMU, external supervisor; thesis title: "To Expedite the Flow of Knowledge"; successfully defended 05/2016)

28. Borut Trpin (University of Ljubljana, Slovenia, external supervisor; thesis title: "Influence of Conditionals on Belief Updating"; successfully defended 03/2018)

E. Supervised BA and MA students

1. Rüdiger Andräß (BA, finished 07/2018)

2. Leon Assaad (MA, finished 10/2022)
3. Flavio Auer (MSc. in Physics, finished 03/2019)
4. Edoardo Baccini (MA, finished 10/2021)
5. Fabian Beigang (MA, finished 10/2017)
6. Marco Besl (BA, finished 10/2017)
7. Emma Caldwell (MA, finished 10/2018)
8. Michela Cimarelli (MA, started 04/2025)
9. Deike El-Kabarity (BA, finished 07/2025)
10. Rafael Fuchs (MA, finished 10/2022)
11. Dominik Hangleiter (BA, finished 2/2014)
12. Benedikt Hoeltgen (MA, finished 10/2020)
13. Felix Jäger (BA, finished 07/2018)
14. Viktoria Kabel (BA, finished 07/2018)
15. Chisu Kim (MA, finished 10/2016)
16. Michael Klenk (MA, finished 10/2015)
17. Patrick Klösel (MA, finished 10/2021)
18. Vioolet Liang (MA, started 05/2023)
19. Beatrice Lorenz (MA, finished 10/2023)
20. Helene Lösl (BA, finished 08/2020)
21. Zahra Moghimkhan (MA, finished 03/2023)
22. Pablo Rivas Robledo (MA, started 10/2022)
23. Maximilian Schlederer (MA, finished 02/2023)
24. Benedikt Schmieder (BA, finished 07/2018)

25. Igor Silva Pinto (MA, started 04/2025)
26. Leon Schöppl (MA, finished 03/2023)
27. Johanna Stüger (MA, finished 03/2024)
28. Pablo Toussaint (BA Physics, finished 10/2022)
29. Hannah Übler (MA, finished 2/2014)
30. Minkyung Wang (MA, finished 10/2016)

Teaching and supervision at Tilburg

A. Courses

1. Philosophy of Science (lecture, undergraduate level, for students of International Business Administration; one semester, 2010/2011)
2. Philosophy of Science (lecture, undergraduate level, for students of Economics; one semester, 2011/2012)
3. Philosophy of Economics (lecture and seminar, graduate level, for students of Economics; one semester, 2009/2010)
4. Experts in a Complex Society (lecture and seminar, graduate level; one semester, 2009/2010, 2010/2011 and 2011/2012)
5. Research Methods in Philosophy: Individual and Collective Rationality (lecture and seminar, graduate level; one semester, 2009/2010)
6. Philosophy of Science (lecture and seminar, graduate level; one semester, 2007/2008 and 2008/2009)
7. Epistemology (lecture and seminar, undergraduate level; one semester, 2009/2010 and 2011/12)
8. Epistemology (lecture and seminar, graduate level; one semester, 2007/2008 and 2008/2009)
9. Research Seminar in Epistemology and Philosophy of Science (for PhD students, postdocs, and faculty; every semester)

B. Supervised PhD students

1. Dominik Klein (09/2011–05/2015, thesis title: "Social Interaction: A Formal Exploration"; now Assistant Professor at the University of Utrecht)

2. Kristina Liefke (09/2009–04/2014, thesis title: "A Single-Type Semantics for Natural Language"; now Junior Professor for Philosophy of Information and Communication, at Ruhr University Bochum)

3. Chiara Lisciandra (9/2009–10/2013, thesis title: "The Emergence of Norms in Society: A Philosophical Investigation"; now Junior Professor at Heinrich Heine University Düsseldorf)

4. Carlo Martini (02/2008–12/2011, thesis title: "Consensus and Disagreement in Small Committees"; now Associate Professor in Logic and Philosophy of Science at Vita-Salute San Raffaele University (Milan).)

5. Soroush Rafiee Rad (09/2010–09/2014, thesis title: "Four Essays in Mathematical Philosophy")

6. Niki Pfeifer (10/2010–09/2012, thesis title: "Uncertain Reasoning: Philosophical and Cognitive Foundations")

7. Jonah Schupbach (HPS Pittsburgh, external supervisor, defended 6/2011, thesis title: "Studies in the Logic of Explanatory Power"; now Professor at the University of Utah)

8. Raphael van Riel (University of Bochum, external supervisor, finished 11/2010; now Professor at the University of Duisburg-Essen)

Teaching at LSE

A. Courses

1. Paris-London Research Colloquium: Philosophy, Probability and Physics (2005-2006; with Guido Bacciagaluppi)

2. Philosophical Foundations of Space and Time (lecture and seminar, graduate level; one term, 2004/2005, 2005/2006 and 2006/2007)

3. Reductionism, Pluralism and Intertheoretic Relations (lecture and seminar, undergraduate and graduate level; one term, 2003/2004 and 2004/2005)

4. Philosophy of Science and Scientific Method (seminar, graduate level; one term, 2003/2004, 2004/2005, 2005/2006 and 2006/2007)

5. Philosophy of Science and Scientific Method (lecture, undergraduate and graduate level; two terms, 2006/2007)

6. Research Seminar on the History of Field Theory (joint seminar of IC, UCL and LSE, graduate level; one term, 2004/2005)

7. Research Methods in Philosophy: Scientific Theory Change (seminar, graduate level; one term, 2004/2005)

8. Research Seminar with Ph.D. students presenting their projects (seminar, graduate level, with Roman Frigg; one term, 2003/2004, 2004/2005, 2005/2006 and 2006/2007)

9. Research Seminar on Fictionalism (seminar, graduate level, with Roman Frigg; one term, 2004/2005)

10. Philosophical Foundations of Quantum Information Theory and Quantum Field Theory (lecture and seminar, graduate level; one term, 2003/2004)

11. Research Seminar on Information Theory (joint seminar of IC, UCL and LSE, graduate level; one term, 2004/2005)

12. Research Seminar on the Foundations of Statistical Inference (seminar, graduate level, with Roman Frigg; one term, 2003/2004)

13. Research Methods in Philosophy: Probabilistic Methods in Philosophy (seminar, graduate level; one term, 2003/2004)

B. Supervised PhD students

1. Emiliano Boccardi ("Computational Externalism: The Semantic Picture of Implementation", finished 8/2004)

2. Lefteris Farmakis ("Bayesianism and Scientific Realism", finished 8/2002)

3. Kyoung Yang ("Structuralist Account of the Theory-Change from Newtonian to Einsteinian Physics", finished 8/2004)

4. Juan Pablo Flores de Villar (entered program 9/2005; supervised till 4/2007)

5. Fernando Morrett (entered program 9/2006; supervised till 4/2007)

6. Maria Elena Di-Bucchianico (entered program 9/2006; supervised till 4/2007)

C. Supervised Master students

I supervised three to seven master dissertations per year.

Teaching at Konstanz

A. Courses

Undergraduate Courses

1. History of Analytical Philosophy (Fall 2002)

2. Science and Religion (Fall 2001)

3. Karl Popper's Philosophy of Science (Spring 2000)

4. David Hume: An Enquiry Concerning Human Understanding (Fall 1999)

5. Explanation and Understanding (Spring 1998)

6. Epistemology (Giessen, Spring 1997)

7. Philosophy of Physics (Spring 1997)

8. Science and Pseudoscience (Fall 1996)

9. Philosophy of Quantum Mechanics (Spring 1996)

Graduate Courses

1. Philosophy of Biology (Fall 2002)
2. Probability and Induction (Spring 2002)
3. Theories and Models (Fall 2001)
4. Philosophy of Space and Time (Spring 2000)
5. The New Experimentalism (Fall 1999; with Bernd Buldt)
6. Foundations of Quantum Mechanics (Spring 1998)
7. Nancy Cartwright's Philosophy of Science (Fall 1997)

Colloquia

1. Research Colloquium: Philosophy, Probability and Modeling (Fall 2002–Spring 2005; with Luc Bovens)
2. Freiburg-Konstanz Research Colloquium: Philosophy, Probability and Physics (Fall 2003–Spring 2005; with Guido Bacciagaluppi)
3. Research Colloquium (Spring 1999–Spring 2000; Fall 2001, with Eva-Maria Engelen)

B. Supervised PhD students

1. Veiko Palge ("Time, Static and Dynamic, and Quantum Mechanics", finished 6/2007)

C. Supervised postdocs (PPM Group)

1. Claus Beisbart (now Professor at the University of Berne, Switzerland)
2. Robert Bishop (now Associate Professor of Physics and Philosophy at Wheaton College, USA)
3. Franz Dietrich (now Directeur de Recherche, Paris School of Economics. Centre d'Economie de la Sorbonne, CNRS, France)
4. Armond Duwell (now Professor at the University of Montana)

5. Ludwig Fahrbach (now Assistant Professor at the University of Düsseldorf)
6. Natalie Gold (now Senior Research Fellow in the Oxford Philosophy Faculty)
7. Rolf Haenni (now Professor at Berne University of Applied Sciences)
8. Amit Hagar (now Professor at the University of Indiana at Bloomington)
9. Franz Huber (now Associate Professor at the University of Toronto)
10. Iain Martel (now Lecturer at the University of Toronto)
11. Luca Moretti (now Reader at the University of Aberdeen)
12. Gabriella Pigozzi (now Associate Professor in Computer Science at Université Paris Dauphine)
13. Christoph Schmidt-Petri (now Assistant Professor at the Karlsruhe Institute of Technology)

Teaching at Giessen

Undergraduate Courses

1. Introduction to Philosophy: Epistemology (Seminar, Spring 1997)
2. Quantum Mechanics I (Tutorial, Physics Dept., Fall 1990)
3. Theoretical Electrodynamics (Tutorial, Physics Dept., Spring 1990)
4. Theoretical Mechanics II (Tutorial, Physics Dept., Fall 1989)
5. Theoretical Mechanics I (Tutorial, Physics Dept., Spring 1989)

Graduate Courses

1. Theoretical Quantum Optics (Tutorial, Physics Dept., Fall 1995)
2. Quantum Mechanics II (Tutorial, Physics Dept., Spring 1995)
3. Atomic Physics (Tutorial, Physics Dept., Spring 1994)
4. Statistical Mechanics (Tutorial, Physics Dept., Spring 1991)

Summer Schools

1. "Bayesian Philosophy of Science", at the summer school *Bayes By the Sea: Formal Epistemology, Statistics, and Game Theory*, Ancona, Italy, August 2019.

2. "Probabilistic Reasoning and Argumentation", at the *International Rationality Summer Institute (IRSI)*, Aurich, Germany, September 2016.

3. Co-Director (with Claus Beisbart, Bern) of the interdisciplinary working group "Probabilities in Philosophy and Science" at the Summer School I of the *German National Merit Foundation* in Neubeuern, Germany, August 2011.

4. Seminar leader (with Clark Glymour, Carnegie Mellon University) of the course "Scientific Rationality: Bayesianism vs. Reliabilism" at the *European Forum Alpbach*, Alpbach, Austria, August 2006.

5. Lecturer at the Summer School "Philosophy and Probability" at the University of Konstanz, September 2002 (I lectured on "Probability in Social Choice Theory").

6. Co-Director (with Harald Atmanspacher, Zurich) of the interdisciplinary working group "Universality and Context" at the Summer School I of the *German National Merit Foundation* in La Villa, Italy, September 2000.