

# Guido Bacciagaluppi: Curriculum Vitae and List of Publications

11 April 2024

Born Milan (Italy), 24 August 1965.  
Italian citizen.



Freudenthal Instituut  
Postbus 85.170  
3508 AD Utrecht  
The Netherlands

Email: [g.bacciagaluppi@uu.nl](mailto:g.bacciagaluppi@uu.nl)  
Tel.: +31 (0)30 253 5621  
Fax: +31 (0)30 253 7494

Web:

<https://www.uu.nl/staff/GBacciagaluppi/Profile>  
<https://www.uu.nl/staff/GBacciagaluppi/Research>  
<https://www.uu.nl/staff/GBacciagaluppi/Teaching>

## Research interests

My main field of research is the philosophy of physics, in particular the philosophy of quantum theory, where I have worked on a variety of approaches, including modal interpretations (for my Ph.D.), stochastic mechanics, Everett theory, de Broglie-Bohm pilot-wave theory, and spontaneous collapse theories, with a special interest in the theory of decoherence. Other special interests include time (a)symmetry, the philosophy of probability, some issues in the philosophy of logic, and empiricism. I also work on the history of quantum theory: I have co-authored four books on the topic, including a widely admired monograph on the 1927 Solvay conference, and I am one of the main contributors to the recent revival of interest in the figure and work of Grete Hermann.

## Education and Degrees

- *May 1997.* D.Phil. by Incorporation, Oxford University.
- *Oct. 1992-June 1996.* Ph.D. in Philosophy, University of Cambridge. Thesis under the supervision of Dr J.N. Butterfield and Prof. M.L.G. Redhead on 'Topics in the Modal Interpretation of Quantum Mechanics'.
- *Oct. 1991-June 1992.* M.Phil. in History and Philosophy of Science, University of Cambridge. Thesis under the supervision of Prof. M.L.G. Redhead on 'Gödel's Theorem and the Concept of Truth'.
- *Oct. 1984-Apr. 1989.* Diplom in Mathematik, ETH Zürich, Switzerland. Thesis under the supervision of Prof. C. Constantinescu on 'The Theory of Generalized B\*-Algebras'. I took several courses as an undergraduate that were of crucial importance for the development of my interests, in particular those by Abner Shimony, Hans Primas, Ernst Specker, Paul Feyerabend and Klaus Hepp.
- *Until June 1984.* Swiss School of Milan. Swiss Federal Maturität, Type B (Kantonsschule Chur, Switzerland), score 89/90 (best ever in the school at the time).

## Present positions

### Academic:

- Utrecht University: Associate Professor (UHD1, scale 14), Freudenthal Institute, Department of Mathematics, Faculty of Science, and Descartes Centre for the History and Philosophy of the Sciences and the Humanities, since September 2015. Tenured since September 2020.
- SPHERE (CNRS, Paris 7, Paris 1), Paris: Associate Member since April 2015.
- Foundational Questions Institute (<http://fqxi.org/>): Member since February 2015.
- Institut d'Histoire et de Philosophie des Sciences et des Techniques (CNRS, Paris 1, ENS), Paris: Associate Member since January 2007.

### Editorial:

- *Journal for General Philosophy of Science* (Springer): Editor-in-Chief (together with Helmut Pulte and Thomas Reydon) since January 2021.
- *Studies in History and Philosophy of Science* (Elsevier): Consulting Editor since June 1999 (for *Studies in History and Philosophy of Modern Physics* until merger in Jan. 2021).

## Previous positions

### Academic:

- *Feb. 2009-Aug. 2015.* Department of Philosophy, University of Aberdeen: Reader in Philosophy (grade 8) from August 2011, previously Senior Lecturer in Philosophy, February 2009-July 2011.
- *July 2013-June 2014.* Member, Doctoral College of Philosophy, Epistemology and History of Culture, University of Cagliari.
- *11-26 July 2013.* Visiting Scholar, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin.
- *20 June-20 July 2012.* Visiting Scholar, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin.
- *28 Mar.-27 Apr. 2012.* Visiting Professor (short visit), Doctoral School of Philosophy and Epistemology, University of Cagliari.
- *1-31 July 2011.* Visiting Scholar, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin.
- *Nov. 2006-Jan. 2009.* Senior Research Fellow (level C), Centre for Time, Department of Philosophy, University of Sydney.
- *Oct. 2004-Sep. 2006.* Researcher (level equivalent to Directeur de Recherche, deuxième classe), Institut d'Histoire et de Philosophie des Sciences et des Techniques, CNRS, Paris.
- *Feb. 2003-July 2004 and again Sep. 2004.* Alexander von Humboldt Fellow, Philosophisches Seminar I, University of Freiburg (Germany) (until January 2004) and Institut für Grenzgebiete der Psychologie und Psychohygiene (IGPP), Freiburg (Germany) (from February 2004).
- *August 2004.* Researcher, IGPP, Freiburg (Germany).
- *Nov. 2001-Dec. 2003.* Assistant Professor, Group in Logic and the Methodology of Science, UC Berkeley.
- *July 2000-Dec. 2003.* Assistant Professor, Department of Philosophy, UC Berkeley.
- *Oct. 1999-Sep. 2000.* Junior Lecturer in Philosophy of Physics, Oxford University.
- *1999-2000.* Visiting Fellow, Center for History and Philosophy of Science, University of Pittsburgh (offer declined).
- *1999-2000.* Visiting Fellow, Hebrew University of Jerusalem (offer declined).
- *Dec. 1996-Sep. 2000.* Member of the Sub-faculty of Philosophy, Oxford University.
- *Oct. 1996-Sep. 1999.* British Academy Postdoctoral Fellow and Junior Research Fellow, Balliol College, Oxford.
- *Oct. 1994-Sep. 1996.* Junior Research Fellow, Wolfson College, Cambridge.
- *June 1989- September 1991.* Assistant, Department of Mathematics, ETH Zürich, Switzerland.

### Editorial:

- *June 2020-Nov. 2023.* Book Review Editor, *Foundations of Physics* (Springer).
- *Sep. 2011-July 2017.* Associate Editor (philosophy of physics), *The British Journal for the Philosophy of Science* (OUP).
- *Jan. 2001-July 2010.* Subject Editor in philosophy of physics (quantum mechanics), *Stanford Encyclopedia of Philosophy*. See <http://plato.stanford.edu/board-past.html>.
- *Oct. 1995-June 1999.* Associate Editor, *Studies in History and Philosophy of Modern Physics* (Elsevier).

### Professional Qualifications

- *Oct. 2023.* Seniorekwalificatie Onderwijs (senior university teaching qualification), Utrecht University.
- *Feb. 2022.* Renewal of Abilitazione Scientifica Nazionale, prima fascia (habilitation as full professor) in the area of Logic, History and Philosophy of Science, Italian Ministry for Education, University and Research (<https://asn21.cineca.it/pubblico/miur/esito-abilitato/11%252FC2/1/1> ).
- *May 2021.* Ius promovendi, Utrecht University.
- *July 2018.* Seniorekwalificatie Onderzoek (senior university research qualification), Utrecht University.
- *Dec. 2016.* Basiskwalificatie Onderwijs (basic university teaching qualification), Utrecht University.
- *Dec. 2013.* Abilitazione Scientifica Nazionale, prima fascia (habilitation as full professor) in the area of Logic, History and Philosophy of Science, Italian Ministry for Education, University and Research (<https://abilitazione.cineca.it/ministero.php/public/esitoAbilitati/settore/11%252FC2/fascia/1> ).

### Grants, Fellowships and Scholarships

- *Sep. 2023-Aug. 2028.* ERC Advanced Grant for the project ‘BOHR21: Niels Bohr for the 21<sup>st</sup> Century’, EUR 2’500’000. This grant includes funding for two postdocs (who will arrive ca. February 2024) and three PhD students (to start September 2024), as well as close collaboration with the Niels Bohr Archive in Copenhagen.
- *June 2019-July 2020.* FQXi mini-grant, for the project ‘Prospects for Relativistic Collapse’, USD 6’000 (extended to 30 September 2022 because of the coronavirus pandemic).
- *Nov. 2016.* Shortlisted for an NWO Vrije Competitie Geesteswetenschappen grant (Dutch National Science Foundations Free Competition Humanities grant), rated A+A+.
- *Feb. 2013.* Shortlisted for a British Academy Wolfson Research Professorship.
- *Jan. 2011-Dec. 2014.* Principal Investigator in the 4-year project on ‘ “The Einstein Paradox”: The debate on nonlocality and incompleteness in 1935’ (Leverhulme Research Grant F/00 152/AN), total value in excess of GBP 140’000. Postdoc supervision: Elise Crull (Sep. 2011-Aug. 2013).
- *2008-2010.* Chief Investigator in the project ‘Time-asymmetry and the Bohmian View of the Quantum World’ (Australian Research Council DP0880657), with Huw Price (Sydney) and Max Schlosshauer (Melbourne, then Copenhagen); total value AUD 208’000. This project was in the top third of successful applications (top 7% of all applications). Postdoc co-supervision: Hans Westman.
- *2005-2009.* Partner Investigator (Nov. 2006-Jan. 2009 Chief Investigator) in the project ‘Time and Perspective in the Quantum World’ (Australian Research Council DP0556184), with Huw Price (Sydney) and Jenann Ismael (Tucson and Sydney); total value AUD 745’000.
- *Oct. 2006-Jan. 2010.* Responsible at IHPST for project ‘FOUNDPHYS’ (ANR-06-BLAN-348), which I authored with Alexei Grinbaum and Etienne Klein. This project, comprising the institutes IHPST, CREA and CEA, had the explicit aim of setting up a research network for the foundations of physics in France, and was granted support in excess of EUR 180’000 by the Agence Nationale de la Recherche. Postdoc responsibility: Matteo Morganti.
- *Spring 2005.* Shortlisted for the European Young Investigator (EURYI) Awards, the first ever candidate in the humanities to be endorsed by France.
- *Feb. 2003-July 2004 and again Sep. 2004.* Alexander von Humboldt Fellow, Philosophisches Seminar I, University of Freiburg (Germany) (until January 2004) and Institut für Grenzgebiete der Psychologie und Psychohygiene, Freiburg (Germany) (from February 2004).
- *1999-2000.* Visiting Fellow, Center for History and Philosophy of Science, Pittsburgh (offer declined).
- *1999-2000.* Visiting Fellow, Hebrew University of Jerusalem (offer declined).
- *Oct. 1996-Sep.1999.* British Academy Postdoctoral Fellow and Junior Research Fellow, Balliol College, Oxford.
- *Oct. 1994-Sep.1996.* Junior Research Fellow, Wolfson College, Cambridge.
- *1992-93, 1993-94, 1994-95.* Arnold Gerstenberg Studentship.
- *1992-93, 1993-94.* British Academy Major Studentship (fees only).

## Postgraduate and Undergraduate teaching

- *Sep. 2016.* Main teacher at the XIX International Summer School in Philosophy of Physics (4 lectures and 1 public debate) on ‘Many-Worlds Interpretations in Quantum Mechanics, Metaphysics and Cosmology’, Urbino and Cesena, Italy.
- *Aug. 2016.* Main teacher at the 5th Tübingen Summer School in the History and Philosophy of Science: 5 lectures on ‘Probability and Quantum Mechanics’, Tübingen, Germany.
- *Since Nov. 2015.* Teaching for the Master’s in HPS, Descartes Centre, Utrecht University, as follows:
  - Foundations of Quantum Mechanics/The Quantum World (2015-16, 2016-17, 2017-18, 2018-19, 2022-23, 2023-24)
  - The Quantum World (introductory) (2019-20, 2020-21)
  - Foundations of Quantum Mechanics (advanced) (2019-20 with R. Hermens, 2021-22)
  - Philosophy of Space and Time (2015-16, 2016-17, 2017-18, 2018-19, 2022-23),
  - Philosophy of Space and Time 1 (introductory) (2019-20, 2020-21, 2021-22)
  - Philosophy of Space and Time 2 (advanced) (2020-21)
  - Research Seminar Philosophy of Science (2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21),
  - Philosophy of Science (2016-17, 2017-18, 2018-19, 2019-20, 2020-21, [2022-23 overall coordination only], 2023-24),
  - Tutorial in HPS (Foundations of Statistical Mechanics) (2016-17),
  - Tutorial in HPS (Everett’s *Collected Works*) (2017-18),
  - Tutorial in HPS (Philosophy of Cosmology, with guest lecturers) (2018-19).

I further accompanied groups of ca. 15 Utrecht participants, mainly Master’s students, to Oxford in March 2017 for the conference on ‘The Foundation of Reality: Fundamentality, Space and Time’, and to Copenhagen in April 2022 for a visit to the Department of Science Education and to the Niels Bohr Archive, and will accompany a group to Vienna for another study visit later in April 2024.

Undergraduate teaching for the Faculty of Sciences, Utrecht University:

- Kwantumchemie en anorganische chemie (2 lectures and exercise classes on history and philosophy of quantum mechanics, mainly in Dutch) (2020-21, 2021-22, [with S. Aerts] 2022-23).
- *March-April 2012.* Ph.D. course (8 seminars) on ‘Il paradosso Einstein-Podolsky-Rosen: dibattito e fonti storiche’, Doctoral School of Philosophy and Epistemology, University of Cagliari (in Italian).
- *July 2009.* Three lectures on ‘Decoherence’ for the Geneva International Postgraduate Summer School in Foundations of Physics, Arolla, Switzerland.
- *Feb. 2009-June 2015.* Teaching for the Department of Philosophy, University of Aberdeen, as follows.

Undergraduate courses:

- Science and Philosophy 1 (level 1: 2014-15),
- Science and Philosophy 2 (level 2: 2014-15),
- Philosophy of Science (level 2: 2008-09, 2009-10, 2010-11),
- History and Philosophy of Science 1 (level 2: 2011-12, 2013-14, 2014-15; 4-5 lectures)
- Philosophy of Time (level 3: 2008-09, 2009-10, 2010-11; levels 3 and 4: 2013-14)
- Philosophy of Physics (level 4: 2009-10, 2010-11, 2012-13; levels 3 and 4: 2014-15).

Postgraduate courses:

- Research Methods 1 and 2 (2009-10, with various members of staff),
- Philosophy Proseminar (2010-11, 2011-12, 2012-13, with various members of staff),
- Work in Progress Seminar (2009-10 [informally], 2010-11, 2011-12, 2012-13),
- Contemporary Issues in Philosophy of Physics (2009-10, 2010-11, 2012-13),
- Research-related special subject: Philosophy of Physics (2011-12),
- Advanced Topics in Formal and Philosophical Logic (2009-10, with F. Berto and G. Hough),
- Independent Research Projects 1 and 2 (2010-11, 2011-12, 2012-13, with various members of staff),
- Dissertation (2009-10, 2010-11, 2011-12, 2012-13, with various members of staff),
- Researching in History and Philosophy of Science (2011-12 with R. O’Connor, 2012-13 with B. Marsden).

I also set up the former M.Litt. programmes in Philosophy and (with B.Marsden) in History and Philosophy of Science. The M.Litt. in Philosophy was repeatedly praised by our external examiners A. Richmond (Edinburgh) and R. Stout (UCD).

- *May.-June 2006.* Co-teaching of introductory seminar in philosophy of science, Ecole Normale Supérieure, Paris: philosophy of physics (in French, with A. Barberousse and A. Guay).
- *Oct. 2005-Sep. 2006.* Teaching for the Master LoPHiSS (Paris 1, Paris 4, Paris 7, ENS): second-year lecture course in Philosophy of Physics (in French, formerly B. d’Espagnat’s and M. Bitbol’s DEA course).
- *Apr. 2003-Feb. 2004.* Co-teaching of colloquia in the Philosophisches Seminar I, University of Freiburg: Interpretations of Quantum Mechanics, Probability and Physics (in German, main teacher C. Held).

- *Aug. 2000-June 2002.* Teaching in the Department of Philosophy, UC Berkeley.  
Undergraduate lectures:  
Introduction to Logic (lower division),  
Introduction to the Philosophy of Science (lower division),  
Probability and Induction (upper division),  
Special Topics in the Philosophy of Science - Philosophy of Quantum Mechanics (upper division).  
Freshman seminar:  
Philosophy of Science.  
Graduate seminars:  
Quantum Logic,  
Modal Interpretations of Quantum Mechanics.
- *Oct. 1996-June 2000.* Teaching at Oxford.  
As Junior Lecturer in Philosophy of Physics, Sub-Faculty of Philosophy (1999- 2000).  
Joint Schools of Physics and Philosophy (lectures, tutorials for various colleges):  
Philosophy of Quantum Mechanics,  
Philosophy of Special Relativity.  
School of Natural Sciences (lectures only):  
Supplementary Subject - History and Philosophy of Science.  
As British Academy Postdoctoral Fellow (1996-1999).  
Classes for the Sub-Faculty of Philosophy, University of Oxford:  
Advanced Philosophy of Physics (with J. N. Butterfield).  
Tutorials for Balliol College:  
Philosophy of Quantum Mechanics,  
Philosophy of Special Relativity,  
Leibniz-Clarke Correspondence,  
Advanced Philosophy of Physics,  
Philosophy of Science.
- *1992-93 resp. 1994-95.* Supervisions for the Department of History and Philosophy of Science, University of Cambridge: Philosophy of Science and Philosophy of Physics.
- *June 1989-Sep. 1991.* Assistant, Department of Mathematics, ETH Zürich. Exercises in Analysis I and II for students of mathematics, physics and engineering (in German, groups of 20-30). Before graduating I had worked as an Aid-Assistant, preparing the lecture notes for the course by E. Trubowitz on ‘Methoden der mathematischen Physik I und II’ (in German, with A. Zarinelli).

### Postgraduate and Honours supervision

- *Since Sep. 2015.* University of Utrecht.  
Ph.D. supervision:  
Maaneli Derakhshani, *Stochastic mechanics without ad hoc quantisation: theory and applications to semiclassical gravity* (defended October 2017),  
Antonella Foligno, *The point mass as a model for epistemic representation* (visiting Ph.D. student, Urbino, Oct. 2016-May 2017),  
Valeriya Chasova, *Direct empirical status of theoretical symmetries in physics* (visiting Ph.D. student, Louvain-la-Neuve, Feb.-Apr. 2017 and Apr.-May 2018),  
Mark Robert Baker, *Axiomatic approach to classical field theory* (visiting Ph.D. student, Western Ontario, Jan.-Apr. 2019),  
Giovanni Buonocore, *Entity-relation reduction in relational quantum mechanics: a structuralist view* (visiting Ph.D. student, Firenze, Oct. 2019-Mar 2020),  
Maura Burke, *Mechanisms and the agent-dependent view: a novel approach to the epistemology of the sciences* (in progress),  
Luca Forgiarini, *The promise of science: building international scientific cooperation in post-WWII Europe, 1945–1975* (co-supervision, in progress),  
Damon Moley, *Are the multiverse of general relativity and the multiverse of quantum mechanics identical?* (in progress),  
Sanne Vergouwen, *On the Dichotomy between Spacetime and Matter* (co-supervision, in progress).  
Sabine Winters, *Putting your head in, and above, the clouds: imagination and space science* (co-supervision, in progress).
- Master’s supervision (and examining):  
Kees Greven, Nick Wiggershaus, Dimitris Dairis, Ruward Mulder, Alexander Witkamp, Sam Rijken, Otto Lange, Martijn Jansen, Damon Moley, Maura Burke, Thomas Jorna, Thijs Hemme, Edoardo Tagliani, Thijs Latten, Sanne Vergouwen, Maria Roukens, Carles Guillén Almiñana, Menno Hellinga (supervision, Master’s in HPS),  
Bram Dijk (joint supervision, Master’s in HPS),  
Fleur Petit (joint supervision, Twin Master’s in AI and HPS),

Marien Raat (joint supervision, Twin Master's in Computer Science and HPS),  
 Noelia Iranzo Ribera, Nijs van Tuijl, Marcel Ertel, Kamiel Mobach, Skander Jaïbi, Pascal Rodriguez, Sam Hafkenscheid, Mon Klein Douwel, Antonios Papaioannis (co-supervision, Master's in HPS),  
 Lara van Zuilen, Jan Petrus (second examiner, Master's in HPS),  
 Maurits Moeys (supervision, Master's in Theoretical Physics, University of Amsterdam).

[Ruward's thesis (co-supervised by Ronnie Hermens) won the international Hanneke Janssen Memorial Prize 2018 for the best Master's thesis in History and Philosophy of Physics, Sanne's (co-supervised by Sebastian de Haro) won the 2022 prize, and Edoardo's received an honourable mention, also in 2022.]

#### Bachelors supervision:

Kyra Orbons and Victor Schyns (Bachelors in Physics, respectively 2015-16 and [with R. Hermens] 2022-23),  
 Raoul Beernaert (Bachelors in Mathematics, 2016-17),  
 Elze Vermaas, Wouter van Soest and Peter Otte (Bachelors in Physics, University of Amsterdam, respectively 2016-17, 2017-18 and 2018-19).

- *July 2013-Apr 2019.* Université Catholique de Louvain, Louvain-la-Neuve.  
 Member of Comité d'Accompagnement (co-supervision, Ph.D. in Philosophy): Valeriya Chasova,  
*Direct empirical status of theoretical symmetries in physics.*

- *Sep. 2009-Aug. 2015.* University of Aberdeen.

#### Ph.D. supervision:

Thomas Scott, *Dual causality and Bell's essential conflict* (joint supervision, Ph.D. in Divinity, defended 2014),  
 Balint Kekedi, *Descartes, the sheep and the wolf: a study in Cartesian automata* (supervision 2012-13, then co-supervision, Ph.D. in Philosophy, defended January 2016),  
 Danny MacShane, *Probability concepts in interpretations of quantum mechanics* (supervision, Ph.D. in Philosophy [until I left for Utrecht]),  
 Cameron Brown and Sarah Norris (fractional supervision, Ph.D. in Philosophy);  
 Massimo Sangoi, *La metafora: utilità euristica e aspetti cognitivi* (visiting Ph.D. student [Registered Postgraduate Student], Urbino, June-Aug. 2011),  
 Susanna Cocco, *Empirical faithfulness and typicality: a pragmatic reading of Everett's pure wave mechanics* (visiting Ph.D. student [RPS], Cagliari, Jan.-July 2013),  
 Vera Matarese, *A structuralist reconciliation of the realist and nomological views in Bohmian mechanics* (visiting Ph.D. student [RPS], Hong Kong, Jan.-Apr. 2015),  
 Davide Romano, *A classical world from an undivided universe: a metaphysical inquiry into the classical limit of Bohmian mechanics* (visiting Ph.D. student [RPS], Lausanne, Feb.-July 2015),

#### Master's supervision:

Thomas Scott (supervision, M.Litt. in Philosophy, 2009-10),  
 Danny MacShane (supervision, M.Litt. in Philosophy, 2009-10),  
 Jonathan Juel-Beer (co-supervision, M.Litt. in Philosophy, 2010-11 [completed 2013]),  
 Marta Zampollo (co-supervision, M.Litt. in Philosophy, 2012-13).

#### Honours supervision:

Cian Howard-Hildige (M.A. Mathematics and Philosophy, 2010-11),  
 Emma Hackland (M.A. Physics and Philosophy, 2011-12),  
 Ewen Blair, Katarzyna Kazimierczuk and Mark Sherer (M.A. Mental Philosophy, 2011-12),  
 David Allen (M.A. Mental Philosophy, 2012-13),  
 Fredric Dahlqvist (M.A. Natural Philosophy, 2012-13),  
 Ursule Matuseviciute (M.A. Mental Philosophy, 2014-15)

- *Feb. 2007-Jan. 2009.* Postgraduate supervision for the University of Sydney:  
 Peter Evans, *A study of time in modern physics* (co-supervision, Ph.D., Centre for Time),  
 Peter Alexander (co-supervision, M.Sc., Department of HPS).
- *Oct. 2004-Nov. 2006.* Postgraduate supervision in Paris, as follows.  
 Supervision of associate and visiting Ph.D. students at IHPST (informal, since I did not have a French 'Habilitation'):  
 Soazig Le Bihan, *Understanding quantum phenomena* (Nancy and Bielefeld, Oct. 2004-June 2006),  
 Laura Felling, *Structural explanations* (Rome 3, Oct. 2005-June 2006),  
 Federico Tresoldi, *Irreversibilità quantistica - un'analisi del ruolo del tempo in meccanica quantistica* (Bergamo, Feb.-April 2006).

#### Thesis supervision for the Master's in Logic, Philosophy, History and Sociology of Science (LoPHiSS;

Paris I, Paris IV, Paris VII, ENS):

Cécile Colin and Rawad El Skaff.

- *Spring 2002.* Dept. of Philosophy, UC Berkeley, Supervision of visiting student: Adrian Wüthrich (Bern).
- *Sep. 1999-June 2000.* Joint School of Physics and Philosophy, Oxford University. 4th-year thesis supervision: Beatrice Filkin.

## Administration

- *Since September 2015.* Administrative roles at the University of Utrecht:
  - Admissions Board, Master's in HPS (since September 2015);
  - Graduate Exam Board, Faculty of Science: Member and Head of HPS Board (since November 2015);
  - line manager of three postdocs (Ronnie Hermens and Lukas Verburt, April 2019-July 2021;  
Niels Martens, September 2022-March 2023);
  - tutor, Master's in HPS (since September 2019);
  - member of the jury for the Graduate School of Natural Sciences Master's Thesis Prize (2020, 2021, 2023)  
[president 2020, 2021];
  - member of hiring committees for various positions (1x autumn 2020, 2x spring 2023, 2x summer 2023,  
1x winter 2023, 3x spring 2024);
  - member of the steering group on collaboration between FI Utrecht and IND Copenhagen (since November 2020);
  - mentor and line manager of a junior colleague (A. Nieves Delgado, since April 2021).
- *Feb. 2009-Aug. 2015.* Various administrative roles at the University of Aberdeen, as follows.
  - At Department level (Department of Philosophy):
    - Discipline Research Leader in philosophy (from 2014);
    - member of Steering Committee of the Northern Institute of Philosophy (2010-2015);
    - Postgraduate Officer in philosophy and Co-ordinator of the M.Litt. in Philosophy and with B. Marsden  
of the M.Litt. in History and Philosophy of Science (until August 2013);
    - Senior Honours Adviser in philosophy (Sep. 2009-Sep. 2011, Sep.-Dec. 2013);
    - mentor of junior colleagues (D. Edwards, T. Meadows, L. Moretti, U. Stegmann, S. Torre);
    - member of two hiring committees.
  - At School level (School of Divinity, History and Philosophy, DHP):
    - member of DHP Postgraduate Board,
    - member of DHP Postgraduate Exam Board,
    - member of DHP Postgraduate Research Review Panel (all until August 2013);
    - member of DHP Research Committee (2009 and from 2014);
    - personal tutor for 20-30 DHP undergraduate students (2013-2015).
  - At College level (College of Arts and Social Sciences, CASS):
    - member of the Board of Directors of the Centre for History and Philosophy of Science, Technology and  
Medicine (2010-2014, with B. Marsden, R. O'Connor and until August 2012 C. Wilson);
    - member of the CASS Research Project Awards Scheme Committee (2013);
    - member of the CASS AHRC Internal Review Panel (from 2014);
    - advisor to the CASS Promotions Committee (2015).
  - At University level:
    - member of the University Working Group on Open Access Publishing (2012-13).
- *Nov. 2006-Jan. 2009.* Centre for Time, Sydney:
  - member of hiring committee for three postdoc positions (2008)
  - postdoc co-supervision (with H. Price): Hans Westman (June 2008-Jan. 2009)
  - postdoc responsibility for IHPST, Paris: Matteo Morganti
- *Oct. 2004-Sep. 2006.* IHPST, Paris:
  - postdoc responsibility: Alexandre Guay (from Oct. 2005)
  - member of a postdoc hiring committee (summer 2006)
- *2000-2002.* Co-founder and committee member, Ph.D. Programme in History and Philosophy of Science,  
University of California at Berkeley.
- *July 2001-Aug. 2002.* Teaching Assistant Coordinator, Department of Philosophy, UC Berkeley.
- *May-Dec. 1998 and May-June 2000.* Joint Committee for Physics and Philosophy, Oxford University.
- *Oct. 1996-June 1999.* Balliol College, Oxford:
  - member of Governing Body
  - member of Tutorial Board (from Oct. 1997)
  - member of Music Committee
  - undergraduate admissions in philosophy (1997, 1998)
- *Oct. 1994-June 1996.* Wolfson College, Cambridge:
  - member of Governing Body
  - member of Music Committee

## Conference and seminar organisation

- 17-19 June 2024. Co-organiser with Christian Joas and Diana Taschetto of the *First BOHR 21 Workshop*, Niels Bohr Archive, Copenhagen.
- 31 May-2 June 2024. Co-organiser of *New Directions in the Foundations of Physics 2024*, Logar Valley, Slovenia.
- 1 December 2023. Co-organiser with Niels Martens of a workshop *History and Philosophy of Physics in the Netherlands* (<https://www.uu.nl/en/research/history-and-philosophy-of-physics/events/hpp-nl-workshop>).
- Since summer 2023. Co-chair of the Standing Committee for the *Foundations* conferences, as hosted by the Philosophy of Physics Society (<https://philosophyofphysics.org/meetings/>).
- 26-28 May 2023. Co-organiser of *New Directions in the Foundations of Physics 2023*, Viterbo, Italy.
- 18-19 July 2022. Co-organiser with Owen Maroney and Wayne Myrvold of a workshop on *Prospects for Relativistic Collapse Theories*, Utrecht University.
- 7-9 July 2022. Co-organiser with Elise Crull and Margriet van der Heijden of a workshop on *Grete Hermann and Friends*, APS International Working Group on ‘Women in Quantum Physics’, Utrecht University.
- 26-27 June 2022. Programme Committee, *Philosophy of Science in the Forest*, Triennial Meeting of the Dutch Philosophy of Science Association, Amersfoort, The Netherlands.
- 27-29 May 2022. Co-organiser of *New Directions in the Foundations of Physics 2022*, Viterbo, Italy.
- 21 Jan. 2022. Co-organiser with D. Baneke of the HPS session at *FIND symposium: Finding common grounds in the work by FI and IND*, Utrecht and Copenhagen (Zoom symposium).
- 28-30 October 2021. Programme Committee, *The 20th U.K. and European Conference on the Foundations of Physics*, Paris, France (<https://foundations2020.sciencesconf.org/>).
- 15-18 September 2021. Co-organiser, with O. Maroney and W. Myrvold, of the Symposium on ‘Prospects for Relativistic Collapse Theories’, 8<sup>th</sup> Biennial Meeting of the European Philosophy of Science Association, Turin, Italy.
- 4 June, 25 June and 2 July 2021. Co-organiser of *New Directions in the Foundations of Physics 2021* (three online symposia).
- 16 April 2021. Co-organiser (with the 100-year jubilee committee) of the Nobel Prize Laureates session at *Fysica 2021*, the annual meeting of the Netherlands’ Physical Society (Zoom conference) (<https://www.fysica.nl/previous-editions/>).
- 29-31 March 2021. Programme Committee, *Quantum Limits of Knowledge 2021*, Grenoble (France) (Zoom conference) (<https://qlk21.weebly.com/>).
- Since September 2020. Co-organiser with Jan-Willem Romeijn of the Study Group in Philosophy of Science of the Dutch Research School of Philosophy (OZSW).
- Since August 2020. Co-organiser with J. Bub, J. Mattingly, R. Rynaszewicz and (from 2022) P. Palacios of the series of yearly conferences *New Directions in the Foundations of Physics* (<http://ndfpconference.org/>).
- 6 March 2020. Co-organiser with Michael Cuffaro of a One-Day Workshop on *Conceptual and Methodological Aspects of Physics: Historical Perspectives*, Utrecht University.
- 22-23 July 2019. Co-organiser with A. Schirmacher of a workshop on *Cultural History of Physics in the 20th Century*, Utrecht University.
- 11-13 July 2019. Co-organiser, with D. Moley, F. Benedictus, S. de Haro, F.A. Muller, L.T.G. Theunissen and D. Baneke, of *’t Hooft 2019 – From weak force to black hole thermodynamics and beyond*, Utrecht University, for which we secured 16’000 euros in external funding (<https://thooft2019.sites.uu.nl/>).
- 10-13 July 2018. Principal organiser, with F. Benedictus, P. Busch, D. Dieks, F. A. Muller, M. Suárez and F. Vidotto, of *Foundations 2018: The 19th U.K. and European Conference on the Foundations of Physics*, Utrecht University, and an associated public lecture by Sir Roger Penrose (Oxford). The conference featured ca. 100 between invited and contributed talks, and we secured 15’000 euros in external funding (see <https://foundations2018.sites.uu.nl> ).
- 8 May 2018. Co-organiser with F. Benedictus (Utrecht) of a One-Day Workshop on the Foundations of Physics, Utrecht University.
- Sept. 2015–June 2021. Co-organiser with Niels van Miltenburg (Utrecht) of the Research Seminar in Philosophy of Science, Utrecht University.
- Since September 2015. Co-organiser with F. A. Muller (Rotterdam) of the Colloquia in Foundations of Physics, Utrecht University.
- 9-12 June 2014. Co-organiser with P. Goyal (Albany) of a special session on ‘The philosophical significance of quantum reconstruction theorems’, Quantum Theory: from Problems to Advances – QTPA, Linnaeus University, Växjö.
- 29-31 July 2013. Programme Committee, The 17th U.K. and European Meeting on the Foundations of Physics, Ludwig-Maximilians-Universität, Munich.

- *11-12 April 2013.* Organiser with E. Crull and B. Marsden of the 8<sup>th</sup> U.K. Annual Integrated HPS Workshop, University of Aberdeen.
- *7-8 Dec. 2012.* Organiser of the Annual meeting of the Scots Philosophical Association, University of Aberdeen (keynote by Margaret Morrison, Toronto, <http://www.scotsphil.org.uk/2012-annual-meeting-album/>).
- *Oct. 2012-June 2015.* Convener of the Philosophy Colloquium (and Philosophy Reflectorium), University of Aberdeen.
- *5-6 May 2012.* Organiser with Elise Crull of the CHPSTM workshop on 'Grete Hermann: Between Physics and Philosophy'.
- *Sep. 2011-June 2015.* Founder and organiser of the Philosophy of Physics Seminar, University of Aberdeen.
- *5-8 Oct. 2011.* Programme Committee, 3rd Biennial Conference of the European Philosophy of Science Association, Athens.
- *25-26 June 2011.* Organiser, CHPSTM workshop on 'Quantum States: ontic or epistemic?', University of Aberdeen. (Recognition as 'Aberdeen Ambassador 2011' by the City of Aberdeen.)
- *Sep. 2010-June 2015.* Founder and organiser with B. Marsden, R. O'Connor and (until Aug. 2012) C. Wilson of the CHPSTM Research Seminar, University of Aberdeen.
- *From July 2010.* Standing Committee for the U.K. and European Meetings on the Foundations of Physics, with C. Timpson (Oxford), J. Oppenheim (UCL), and P. Busch (York).
- *5-7 July 2010.* Organiser, The 16th U.K. and European Meeting on the Foundations of Physics, University of Aberdeen. (Recognition as 'Aberdeen Ambassador 2010' by the City of Aberdeen.)
- *8 Jan. 2010.* Organiser with Anouk Barberousse of a one-day meeting on 'Foundations of quantum mechanics and quantum information', Ecole Normale Supérieure, Paris.
- *20 Nov. 2008.* Organiser of a one-day meeting on 'Foundations of Physics', University of Sydney.
- *16-19 June 2008.* Organiser with Harald Atmanspacher, Michel Bitbol, Jacques Dubucs, Alexei Grinbaum, Jenann Ismael and Huw Price of the conference on 'Perspective in Physics and Philosophy', Paris.
- *31 May 2008.* Organiser with Kristian Camilleri of a workshop on 'History of Quantum Theory', University of Sydney. This was a satellite meeting of the History of Quantum Physics project.
- *1 May 2008-30 April 2013.* Co-director of the philosophy of physics team (director Dennis Dieks) within the ESF Research Networking Programme (previously known as Scientific Programmes) 'Philosophy of Science in a European Perspective', and co-organisation of various meetings.
- *March 2008-Jan. 2009.* Founder and organiser, with Stephen Bartlett, Huw Price and Dean Rickles, of the Sydney Foundations Seminar.
- *1-3 Feb. 2008.* Organiser with Huw Price of the first PIAF Workshop in Quantum Foundations, University of Sydney.
- *16 Nov. 2007.* Organiser with Huw Price of the workshop 'Retrocausal Models in Quantum Mechanics', University of Sydney.
- *11-14 Sep. 2006.* Organiser with Harald Atmanspacher and Huw Price of the workshop on 'Decoherence, Quantum Measurement and the Arrow of Time', Beuggen, Germany.
- *Oct. 2004-Oct.2006.* Founder and organiser with Michel Bitbol (CEA, Paris), Simon Saunders (Oxford, and 2004-2005 CEA, Paris) and (since 2005) Alexei Grinbaum (CEA-Saclay) of the Foundations of Physics in Greater Paris series (for more recent information, see [http://iramis.cea.fr/Phoce/Vie\\_des\\_labos/Ast/ast\\_visu.php?id\\_ast=761](http://iramis.cea.fr/Phoce/Vie_des_labos/Ast/ast_visu.php?id_ast=761)).
- *Nov. 2003-Oct.2006.* Founder and organiser with Stephan Hartmann (at the time LSE and Konstanz) of 'Philosophy, Probability and Physics' (PPP), a series of joint seminars in Freiburg and Konstanz and then joint conferences in Paris and London.
- *11 May 2002.* Organiser of the One-Day Conference on 'History and Philosophy of Gauge Theories', Department of Philosophy, University of California at Berkeley.
- *2000-2002.* Founder and organiser of the Philosophy of Physics Saturdays, Department of Philosophy, University of California at Berkeley.
- *2000-2002.* Co-organiser of the Working Group in History and Philosophy of Logic, Mathematics and Science, University of California at Berkeley.
- *Oct.-Dec. 1998.* Co-founder and organiser of the Oxford Philosophy of Physics Discussion Group.
- *Oct. 1996-June 2000.* Co-founder and (until June 1999) main convener of the Oxford Philosophy of Physics Seminars (for more recent information, see <http://www.philosophy-of-physics.ox.ac.uk/tag/thursday-seminars/>).

### External Examining and Ph.D. committees

- *June 2024.* Member of PhD examining committee, Department of Philosophy, University of Genève, Switzerland (Stefano Furlan, *Uprooting the tree of physics: John Wheeler between black holes and 'it from bit'*).
- *May 2024.* Member of Ph.D. examining committee ('Opponent'), School of Philosophy, Erasmus University Rotterdam, The Netherlands (Sam Rijken, *Science and imagination*).
- *March 2023.* External examiner for D.Phil., Faculty of Philosophy, University of Oxford (Johannes Fankhauser, *Predictability and observability in quantum and post-quantum physics*).
- *November 2022.* Member of Ph.D. examining committee ('Opponent'), School of Philosophy, Erasmus University Rotterdam, The Netherlands (Sven Aerts, *The observer: an insider perspective*).
- *Dec. 2019.* External examiner for Ph.D., Department of Physics and Electronics, Rhodes University, Grahamstown, South Africa (Kate Bryan, *Analysing emergent time within an isolated universe through the application of interactions in the conditional probability approach*).
- *May 2019.* External examiner for Ph.D., Department of Philosophy, University of Leeds, U.K. (Simon Newey, *Decoherence and its role in interpretations of quantum physics*).
- *Apr. 2019.* External examiner for Ph.D., Institute of Philosophy, Université Catholique de Louvain, Louvain-la-Neuve, Belgium (Valeriya Chasova, *Direct empirical status of theoretical symmetries in physics*).
- *2012-2017.* External examiner (originally 3 years, extended for a 4th year, re-extended for a 5th year) for the MSt in Philosophy of Physics, University of Oxford.
- *Nov. 2017.* External evaluator for Ph.D., University of Urbino, Italy (Antonella Foligno, *The point mass as a model for epistemic representation*).
- *Oct. 2017.* Advisory Member of Ph.D. examining committee, Faculty of Natural Sciences, Utrecht University, The Netherlands (Maaneli Derakhshani, *Stochastic mechanics without ad hoc quantisation: theory and applications to semiclassical gravity*).
- *July 2017.* Member of Ph.D. examining committee ('Opponent'), Faculty of Natural Sciences, Utrecht University, The Netherlands (Fedde Benedictus, *Reichenbach's philosophy of probability: throwing the baby out with the bath water*).
- *Nov. 2016.* Member of Ph.D. examining committee, Faculty of Letters, University of Lausanne, Switzerland (Davide Romano, *A classical world from an undivided universe: a metaphysical inquiry into the classical limit of Bohmian mechanics*).
- *Jan. 2016.* Member of Ph.D. examining committee ('Opponent'), Faculty of Philosophy, University of Groningen, The Netherlands (Ronnie Hermens, *Philosophy of quantum probability*).
- *Dec. 2013.* Rapporteur (external evaluator), University of Paris 1, France (Vincent Ardourel, *Les théories physiques face au calcul numérique*).
- *Nov. 2012.* Member of Ph.D. examining committee, Department of Philosophy, University of Sydney, Australia (Shan Gao, *Interpreting quantum mechanics in terms of random discontinuous motion of particles*).
- *Jan. 2010.* Member of Ph.D. examining committee, University of Paris 4, France (Pierre Uzan, *Conscience et physique quantique*).
- *Feb. 2008.* President of Ph.D. examining committee, University of Nancy 2, France, and University of Bielefeld, Germany (Soazig Le Bihan, *Understanding quantum phenomena*).
- *Jan. 1998.* Member of Ph.D. examining committee ('Opponent'), Faculty of Physics and Astronomy, Utrecht University, The Netherlands (Pieter E. Vermaas, *Possibilities and impossibilities of modal interpretations of quantum mechanics*).

### Refereeing and Reviewing

- Regular referee for: *British Journal for the Philosophy of Science*, *Foundations of Physics*, *Foundations of Physics Letters*, *Mind and Matter*, *Philosophy of Science*, *Stanford Encyclopedia of Philosophy*, *Studies in History and Philosophy of Modern Physics*.
- Occasional referee for: *Australasian Journal of Philosophy*, *Erkenntnis*, *European Physics Journal H* (Distinguished Referee in 2014), *Foundations of Science*, *Journal of Mathematical Physics*, *New Journal of Physics*, *Philosophia Scientiae*, *Philosophical Quarterly*, *Philosophical Transactions of the Royal Society A*.
- Manuscript reviewer for Cambridge University Press (both U.K. and U.S.A.) and Oxford University Press.
- Referee for the Humboldt Foundation (Germany), National Science Foundation (U.S.A.), the National Research Council (Canada), the Arts and Humanities Research Council (U.K.), the British Academy (U.K.), the Scientific Research Fund - FNRS (Belgium), the Research Council of the Université Catholique de Louvain (Belgium), and the Prix Jeunes Chercheurs of the Société de Philosophie des Sciences (France).

### Other Services to the Profession

- *Since Aug. 2021.* Member of the Jury for the annual Hanneke Janssen Memorial Prize.
- *Since Feb. 2021.* Founding member of the Working Group on Women in Quantum Physics (a sub-group of the APS International Working Group on The Quantum Century).
- *Since Dec. 2017.* President of the History and Foundations Section of the Netherlands' Physical Society (Nederlandse Natuurkundige Vereniging, [https://www.nnv.nl/Sectie\\_geschiedenis/](https://www.nnv.nl/Sectie_geschiedenis/)) and member of the Advisory Board. 2019-2022: member of the 100-year jubilee committee.
- *2016-2017.* Member of the team that drafted the proposals to the Dutch government for the fundamental physics route of the NWA (National Science Agenda). This first resulted in 2.5 million-euro 'startimpuls' funding, and then in major new funding instruments from the Dutch National Science Foundation.
- *Since Nov. 2015.* Board member, Purdue Research Center *Probability and Contextuality Across Disciplines*, Purdue University.
- *2013-2015.* Auditor, AHRC Research Project *The Metaphysical Basis of Logic* (Franz Berto, Aberdeen).
- *Feb. 2009-Aug. 2015.* Committee member for Aberdeen, Scots Philosophical Association (SPA) and local administrator of the SPA postgraduate grant (until 2013) and staff grant. 2012: SPA President.
- *Since May 2008.* Trustee and Secretary, *The Archive for Mathematical Sciences and Philosophy* (see <http://www.archmathsci.org>).
- Evaluator or committee member on tenure/promotion cases for: University of Indiana at Bloomington, University of California at Irvine, University of Leeds, University of Aberdeen and University of Groningen.

### Bibliometrics

- Citations (from <https://scholar.google.com/citations?user=rwHpZIAAAAJ&hl=en&oi=ao> , 11/4/2024):  
2185 (since 1994); h-index: 21; i10-index: 34
- Top citations:

<i>Quantum Theory at the Crossroads</i> [(A.1) in my list of publications]:	647
'The Role of Decoherence in Quantum Mechanics' [(D.5), (D.11), (D.21)]:	274
'Dynamics for Modal Interpretations' [(C.9)]:	133
'Modal Interpretations, Decoherence and Measurements' [(C.4)]:	102
'Remarks on Space-time and Locality in Everett's Interpretation' [(D.4)]:	64
'Is Logic Empirical?' [(D.8)]:	60
'Kochen-Specker Theorem in the Modal Interpretation of Quantum Mechanics' [(C.2)]:	60
'Heisenberg (and Schrödinger and Pauli) on Hidden Variables' [(C.12)]:	51
'Nelsonian Mechanics Revisited' [(C.8)]:	51

### Professional Associations (some lapsed)

- Philosophy of Physics Society. Member, joined May 2022.
- Dutch Research School of Philosophy. Associate Member, joined September 2020.
- Netherlands' Physical Society. Member, joined Dec. 2017.
- Dutch Society for the Philosophy of Science. Member, joined May 2016.
- European Society for the Philosophy of Science. Member, joined Sep. 2015.
- Society for Mind-Matter Research. Member, joined Jan. 2014.
- The British Philosophical Association. Member, joined ca. 2011.
- The Scots Philosophical Association. Member, joined Feb. 2009.
- The British Society for the Philosophy of Science. Member, joined Aug. 1999.
- The American Philosophical Association. Member, admitted Dec. 1998.
- Società Italiana per i Fondamenti della Fisica. Member, admitted Nov. 1998.
- The Mind Association. Member, joined July 1998.
- International Quantum Structures Association. Member, admitted Aug. 1994.
- Società Italiana di Logica e Filosofia delle Scienze. Member, admitted Feb. 1994.
- Cambridge Philosophical Society. Fellow, elected Jan. 1994.

## Miscellaneous

### *Family:*

Son of Marco Aubrey Bacciagaluppi and Maria Mazza, psychiatrists; one brother, Claudio Bacciagaluppi Lüdin, musicologist. Married to Jennifer Mae Bailey, orchestral conductor; one daughter, Katherine Cybele Bacciagaluppi.

### *Languages:*

Mother tongue: Italian. Fluent (written and spoken): English, German and French. Advanced: Dutch. Beginner: Danish. Rusty: Latin.

### *Other interests and activities:*

Music (piano, singing, bassoon, composition); auditor at masterclasses by Elisabeth Schwarzkopf (Bern, 1987) and Mieczyslaw Horszowski (Luzern, 1989, 1990, 1991); I was language coach and prompter for the first modern performance of Alessandro Scarlatti's *Dafni* (Cambridge, summer 1992), and I prepared a new English translation and was executive producer (and Third Slave) for a run of performances of *Die Zauberflöte* (Oxford, 31 May-3 June 2000). Psychiatry (especially interpersonal school, attachment theory).

*Erdős number:* 4 (P. Erdős → R. Schelp → S. Gudder → G. Cattaneo → G. Bacciagaluppi).

### *Philosophical Gourmet Report* (to be taken with a pinch of salt!):

I was the only philosopher of physics at Aberdeen, but the Philosophical Gourmet Report ranked the University of Aberdeen during 2011-14 as 15-23 worldwide (4-5 in Britain, after Oxford, Cambridge and LSE, and together with Leeds), and in 2014-15 as 15-19 worldwide (4-5 in Britain, after Oxford, Cambridge and LSE, and together with Bristol, <http://leiterreports.typepad.com/blog/2014/11/the-top-4-programs-in-philosophy-of-physics.html> ).

## Publications:

### A. Books authored or edited

(A.1) *Quantum Theory at the Crossroads: Reconsidering the 1927 Solvay Conference* (with A. Valentini), Cambridge University Press, 2009 (<http://www.cambridge.org/nl/academic/subjects/physics/history-philosophy-and-foundations-physics/quantum-theory-crossroads-reconsidering-1927-solvay-conference?format=HB#c7Ac727vQMXsjYcP.97>). eBook released February 2013, paperback November 2013. For reviews, see:

- Carson, C. (2010), *History of Physics Newsletter* **XI**(2), 14-15, <http://www.aps.org/units/fhp/newsletters/spring2010/carson.cfm>  
Darrigol, O. (2011), *Revue d'histoire des sciences* **64**(1), 189-191, [http://www.armand-colin.com/download\\_pdf.php?id=0&cr=22&idr=14&idart=8306](http://www.armand-colin.com/download_pdf.php?id=0&cr=22&idr=14&idart=8306)  
Dickson, M. (2012), *Philosophy of Science* **79**(1), 175-176, <http://www.jstor.org/stable/10.1086/663245>  
Faye, J. (2011), *Centaurus* **53**(3), 238-240, <http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0498.2011.00230.x/abstract>  
Holland, P. (2011), *Contemporary Physics* **52**(4), 355-358, <http://www.tandfonline.com/doi/pdf/10.1080/00107514.2011.582160>  
Jähnert, M. (2010), *Physics Today* **63**(10), 53, <http://dx.doi.org/10.1063/1.3502549>  
Jähnert, M. (2012), *Metascience* **21**, 125-129, <http://dx.doi.org/10.1007/s11016-011-9555-z>  
Sauer, T. (2011), *ISIS* **102**(2), 364-365, <http://www.jstor.org/stable/10.1086/661683>  
Segre, G. (2010), *Physics in Perspective* **12**, 499-501, <http://dx.doi.org/10.1007/s00016-010-0043-4>  
Staley, R. (2011), *Historical Studies in the Natural Sciences* **41**(4), 447-456, <http://www.jstor.org/stable/10.1525/hsns.2011.41.4.447>

(A.2) *Grete Hermann: Between Physics and Philosophy* (ed., with E. Crull), Springer, October 2017 (<http://www.springer.com/gp/book/9789402409680>). For reviews, see:

- Drieschner, M. (2020), *Journal of General Philosophy of Science* **51**(4), 611-614, <https://link.springer.com/article/10.1007/s10838-020-09534-2>  
Falkenburg, B. (2021), *HOPOS* **11**(1), 201-210, <https://www.journals.uchicago.edu/doi/10.1086/712935>  
Reichenberger, A. (2020), *The Mathematical Intelligencer* **42**, 80-82, <https://link.springer.com/article/10.1007/s00283-020-09978-w>  
Shipley, P., and Leal, F. (2018), 'A Tribute to Grete Hermann', [http://sfcp.org.uk/wp-content/uploads/2019/02/A\\_Tribute\\_to\\_Grete\\_Hermann.pdf](http://sfcp.org.uk/wp-content/uploads/2019/02/A_Tribute_to_Grete_Hermann.pdf)

(A.3) *The Oxford Handbook of the History of Quantum Interpretations* (ed., with O. Darrigol, T. Hartz, C. Joas, A. Kojevnikov, and O. Pessoa Jr, chief ed. O. Freire Jr), Oxford University Press, 2022 (<https://global.oup.com/academic/product/the-oxford-handbook-of-the-history-of-quantum-interpretations-9780198844495?cc=gb&lang=en&>).

(A.4) *The Einstein Paradox: The Debate on Nonlocality and Incompleteness in 1935* (with E. Crull), Cambridge University Press. In production, expected publication August 2024 (<https://www.cambridge.org/core/books/einstein-paradox/F9386D1B6AA7A438DAC2D0F9A2AB26C6>).

### B. Other edited works

(B.1) *Stanford Encyclopedia of Philosophy*, <http://plato.stanford.edu/> (principal editor E. N. Zalta), subject editor for philosophy of quantum mechanics (2001-2010). The following entries were under my editorial responsibility:

- |  |   |
|--|---|
| 'Action at a Distance in Quantum Mechanics' (J. Berkovitz)               | 'Bell's Theorem' (A. Shimony)                                   |
| 'Bohmian Mechanics' (S. Goldstein)                                       | 'Bohr's Correspondence Principle' (A. Bokulich)                 |
| 'Collapse Theories' (G. Ghirardi)  | 'Copenhagen Interpretation of Quantum Mechanics' (J. Faye)      |
| 'Everett's Relative-State Formulation of Quantum Mechanics' (J. Barrett) | 'Holism and Nonseparability in Physics' (R. Healey)             |
| 'Identity and Individuality in Quantum Theory' (S. French)               | 'Intertheory Relations in Physics' (R. Batterman)               |
| 'Many-Worlds Interpretation of Quantum Mechanics' (L. Vaidman)           | 'Measurement in Quantum Theory' (H. Krips)                      |
| 'Modal Interpretations of Quantum Mechanics' (M. Dickson)                | 'Quantum Approaches to Consciousness' (H. Atmanspacher)         |
| 'Quantum Computing' (A. Hagar)   | 'Quantum Entanglement and Information' (J. Bub)                 |
| 'Quantum Field Theory' (M. Kuhlmann)                                     | 'Quantum Gravity' (S. Weinstein)                                |
| 'Quantum Logic and Probability Theory' (A. Wilce)                        | 'Quantum Mechanics' (J. Ismael)                                 |
| 'Quantum Theory: von Neumann vs. Dirac' (F. Kronz)                       | 'Reichenbach's Common Cause Principle' (F. Arntzenius)          |
| 'Relational Quantum Mechanics' (F. Laudisa and C. Rovelli)               | 'Symmetry and Symmetry Breaking' (K. Brading and E. Castellani) |
| 'The Einstein-Podolsky-Rosen Argument in Quantum Theory' (A. Fine)       | 'The Ergodic Hierarchy' (F. Kronz, J. Berkovitz and R. Frigg)   |
| 'The Hole Argument' (J. Norton)  | 'The Kochen-Specker Theorem' (C. Held)                          |
| 'The Uncertainty Principle' (J. Hilgevoord and J. Uffink)                |   |

(B.2) *Time-symmetric Approaches to Quantum Mechanics* (with Huw Price and David Miller). Focus issue of *Studies in the History and Philosophy of Modern Physics* **39**(4), pp. 705-916 (November 2008).

(B.3) *Grete Hermann's Philosophy of Science*. Special section of *Journal for General Philosophy of Science* **51**(4), pp. 595-629 (December 2020).

### C. Articles: in peer-reviewed journals

- (C.1) ‘Critique of Putnam’s Quantum Logic’, *International Journal of Theoretical Physics*, **32** (1993), 1835-1846.
- (C.2) ‘Kochen-Specker Theorem in the Modal Interpretation of Quantum Mechanics’, *International Journal of Theoretical Physics* **34** (1995), 1205-1216.
- (C.3) ‘Continuity and Discontinuity of Definite Properties in the Modal Interpretation’ (with M. J. Donald and P. E. Vermaas), *Helvetica Physica Acta* **68** (1995), 679-704.
- (C.4) ‘Modal Interpretations, Decoherence and Measurements’ (with M. Hemmo), *Studies in History and Philosophy of Modern Physics* **27** (1996), 239-277.
- (C.5) ‘A Concrete Procedure for Obtaining Sharp Reconstructions of Unsharp Observables in Finite-Dimensional Quantum Mechanics’ (with G. Cattaneo, T. Marsico and G. Nisticò), *Foundations of Physics* **27** (1997), 1323-1343.
- (C.6) ‘A Note on Dynamics in the Modal Interpretation’, *International Journal of Theoretical Physics* **37** (1998), 421-426.
- (C.7) ‘Remarks on Identical Particles in de Broglie-Bohm Theory’ (with H. R. Brown and E. Sjöqvist), *Physics Letters A* **251** (1999), 229-235 (also at <http://xxx.arxiv.org/abs/quant-ph/9811054>).
- (C.8) ‘Nelsonian Mechanics Revisited’, *Foundations of Physics Letters* **12** (1999), 1-16 (also at <http://xxx.arxiv.org/abs/quant-ph/9811040>).
- (C.9) ‘Dynamics for Modal Interpretations’ (with M. Dickson) *Foundations of Physics* **29** (1999) 1165-1201 (preliminary version at <http://xxx.arxiv.org/abs/quant-ph/9711048>).
- (C.10) ‘Delocalised Properties in the Modal Interpretation of a Continuous Model of Decoherence’, *Foundations of Physics* **30** (2000), 1431-1444.
- (C.11) ‘Probability, Arrow of Time and Decoherence’, *Studies in History and Philosophy of Modern Physics* **38** (2007), 439-456 (also at <http://philsci-archive.pitt.edu/archive/00003157/> and <http://xxx.arxiv.org/abs/quant-ph/0701225>).
- (C.12) ‘Heisenberg (and Schrödinger, and Pauli) on Hidden Variables’ (with E. Crull), *Studies in History and Philosophy of Modern Physics* **40** (2009), 374–382 (also at <http://philsci-archive.pitt.edu/archive/00004759/>).
- (C.13) ‘Non-equilibrium in Stochastic Mechanics’, *Journal of Physics: Conference Series* **361** (2012), 012017/1-12 (doi:10.1088/1742-6596/361/1/012017) (also at <http://philsci-archive.pitt.edu/9120/>).
- (C.14) ‘Insolubility Theorems and EPR Argument’, *European Journal for Philosophy of Science* **3** (2013), 87-100 (doi:10.1007/s13194-012-0057-7) (also at <http://philsci-archive.pitt.edu/9121/>).
- (C.15) ‘Locality and Mentality in Everett Interpretations I: Albert and Loewer’s Many Minds’ (with L. Felling), *Mind and Matter* **11**(2) (2013), 223-241 (penultimate version at <http://philsci-archive.pitt.edu/8495/>).
- (C.16) ‘Insolubility from No-Signalling’, *International Journal of Theoretical Physics* **53** (2014), 3465–3474 (also at <http://philsci-archive.pitt.edu/9802/>).
- (C.17) ‘Leggett-Garg Inequalities, Pilot Waves and Contextuality’, *International Journal of Quantum Foundations* **1** (2015), 1-17 (also at <http://arxiv.org/abs/1409.4104>).
- (C.18) ‘Jordan’s Derivation of Blackbody Fluctuations’ (with E. Crull and O. Maroney), *Studies in History and Philosophy of Modern Physics* **60** (2017), 23-34 (also at <http://philsci-archive.pitt.edu/13021/>).
- (C.19) ‘Bell Inequality Violation and Relativity of Pre-and Post-selection’ (with R. Hermens), *Physical Review A* **104** (2021), 012201/1-6 (also at <https://arxiv.org/abs/2002.03935>).
- (C.20) ‘A Proof of Specker’s Principle’, *Philosophical Transactions of the Royal Society A* **382** (2024), 20230003/ 1-16. Theme issue on ‘Quantum contextuality, causality, and freedom of choice’, eds S. Abramsky, A. Cabello, E. Dzhafarov and P. Kurzyński (also at <https://arxiv.org/abs/2305.07917>).

#### **D. Articles: invited**

- (D.1) ‘State Preparation in the Modal Interpretation’ (with M. Hemmo), in R. Healey and G. Hellman (eds), *Quantum Measurement: Beyond Paradox*, Minnesota Studies in the Philosophy of Science, Vol. 17 (University of Minnesota Press, 1998), pp. 95-114.
- (D.2) ‘Bohm-Bell Dynamics in the Modal Interpretation’, in D. Dieks and P. E. Vermaas (eds), *The Modal Interpretation of Quantum Mechanics* (Dordrecht: Kluwer, 1998), pp. 177-211.
- (D.3) ‘Are “Sharp Values” of Observables always Objective Elements of Reality?’ (with H. R. Brown and M. Suárez), in D. Dieks and P. E. Vermaas (eds), *The Modal Interpretation of Quantum Mechanics* (Dordrecht: Kluwer, 1998), pp. 289-306.
- (D.4) ‘Remarks on Space-time and Locality in Everett's Interpretation’, in T. Placek and J. Butterfield (eds), *Non-locality and Modality*, NATO Science Series, II. Mathematics, Physics and Chemistry, Vol. 64 (Kluwer, 2002), pp. 105-122 (also at <http://philsci-archive.pitt.edu/archive/00000504/>).
- (D.5) ‘The Role of Decoherence in Quantum Mechanics’, in E. N. Zalta (ed.), *The Stanford Encyclopedia of Philosophy* (Winter 2003 Edition), <http://plato.stanford.edu/archives/win2003/entries/qm-decoherence/> [under the editorial responsibility of J. Norton] (25pp.).
- (D.6) ‘Classical Extensions, Classical Representations and Bayesian Updating in Quantum Mechanics’, in A. Khrennikov (ed.), *Quantum Theory: Reconsideration of Foundations - 2* (Växjö: Växjö University Press, 2004), pp. 55-69 (also at <http://xxx.arxiv.org/abs/quant-ph/0403055>).
- (D.7) ‘A Conceptual Introduction to Nelson's Mechanics’, in R. Buccheri, M. Saniga and E. Avshalom (eds), *Endophysics, Time, Quantum and the Subjective* (Singapore: World Scientific, 2005), pp. 367-388 (revised version at <http://philsci-archive.pitt.edu/8853/>).
- (D.8) ‘Is Logic Empirical?’, in D. Gabbay, D. Lehmann and K. Engesser (eds), *Handbook of Quantum Logic* (Amsterdam: Elsevier, 2009), pp. 49-78 (also at <http://philsci-archive.pitt.edu/archive/00003380/>).
- (D.9) ‘Collapse Theories as Beable Theories’, invited contribution for a special issue (edited by Décio Krause and Otavio Bueno) of *Manuscripta* **33**(1) (2010), 19-54 (also at <http://philsci-archive.pitt.edu/8876/>).
- (D.10) ‘Probability and Time Symmetry in Classical Markov Processes’, in M. Suárez (ed.), *Probabilities, Causes and Propensities in Physics* (Springer, *Synthese Library*, vol. 347, 2010), pp. 41-60 (also at <http://philsci-archive.pitt.edu/archive/00003534/>).
- (D.11) ‘The Role of Decoherence in Quantum Mechanics’, in E.N. Zalta (ed.), *The Stanford Encyclopedia of Philosophy* (Summer 2012 Edition), <http://plato.stanford.edu/archives/sum2012/entries/qm-decoherence/> [major revision of (D.5)].
- (D.12) ‘Une solution par la physique ? La décohérence’, in S. Le Bihan (ed.), *Précis de philosophie de la physique* (Paris: Vuibert, 2013), pp. 53-75 [French version of (D.5)].
- (D.13) ‘Measurement and Classical Regime in Quantum Mechanics’, in R. Batterman (ed.), *The Oxford Handbook of Philosophy of Physics*, Oxford University Press (2013), pp. 416-459 (also at <http://philsci-archive.pitt.edu/8770/>).
- (D.14) ‘A Critic Looks at QBism’, in M. C. Galavotti, S. Hartmann, M. Weber, W. Gonzalez, D. Dieks and T. Uebel (eds.), *New Directions in the Philosophy of Science*, Springer (2014), pp. 403-416 (also at <http://philsci-archive.pitt.edu/9803/>).
- (D.15) ‘Did Bohr Understand EPR?’, in F. Aaserud and H. Kragh (eds.), *One Hundred Years of the Bohr Atom, Scientia Danica. Series M · Mathematica et physica*, Vol. 1 (Royal Danish Academy of Sciences and Letters, 2015), pp. 375-394 (also at <http://philsci-archive.pitt.edu/11023/>).
- (D.16) ‘Quantum Probability: An Introduction’, in A. Hájek and C. Hitchcock (eds.), *The Oxford Handbook of Probability and Philosophy* (Oxford University Press, 2016), pp. 545-572 (version with additional footnotes, references and appendix at <http://philsci-archive.pitt.edu/10614/>).

- (D.17) ‘Einstein, Bohm, and Leggett-Garg’, in E. Dzhafarov, S. Jordan, R. Zhang and V. Cervantes (eds.), *Contextuality from Quantum Physics to Psychology* (World Scientific, 2016), pp. 63-76 (also at <http://philsci-archive.pitt.edu/11469/> ).
- (D.18) ‘An Everett Perspective on Bohr and EPR’, in J. Faye and H. Folse (eds.), *Niels Bohr and the Philosophy of Physics: Twenty-First Century Perspectives* (Bloomsbury, 2017), pp. 289-302 (also at <http://philsci-archive.pitt.edu/12693/> ).
- (D.19) ‘Adaptive Empiricism’, in G. M. D’Ariano, A. Robbati Bianchi, and S. Veca (eds.), *Lost in Physics and Metaphysics – Questioni di Realismo Scientifico* (Istituto Lombardo Accademia di Scienze e Lettere, 2019), pp. 99-113 (available online at <https://doi.org/10.4081/incontri.2019.465> ).
- (D.20) ‘Unscrambling Subjective and Epistemic Probabilities’, in M. Hemmo and O. Shenker (eds.), *Quantum, Probability, Logic - Itamar Pitowsky’s Work and Influence* (Berlin: Springer, 2020), pp. 49-89 (also at <http://philsci-archive.pitt.edu/16393/> ).
- (D.21) ‘The Role of Decoherence in Quantum Mechanics’, in E.N. Zalta (ed.), *The Stanford Encyclopedia of Philosophy (Summer 2020 Edition)*, <https://plato.stanford.edu/archives/sum2020/entries/qm-decoherence/> [complete revision of (D.11)].
- (D.22) ‘Quantum Mechanics, Emergence, and Decisions’, *Mind and Society* (2020), **19**(2), 299-305 (<https://link.springer.com/article/10.1007/s11299-020-00242-4>, also at <http://philsci-archive.pitt.edu/17113/> ).
- (D.23) ‘The Statistical Interpretation: Born, Heisenberg and von Neumann, 1926-27’, in O. Freire *et al.* (eds), *The Oxford Handbook of the History of Quantum Interpretations* (Oxford University Press, 2022), pp. 203-231 (also at <http://philsci-archive.pitt.edu/19650/> ).
- (D.24) ‘On Multi-time Correlations in Stochastic Mechanics’ (with M. Derakhshani), Chapter 5 in P. Castro, J. Bush and J. Croca (eds), *Advances in Pilot-Wave Theory - From Experiments to Foundations*, Boston Studies in the Philosophy and History of Science (Springer, in press, also at <https://arxiv.org/abs/2208.14189> ).

## **E. Articles: contributed**

- (E.1) ‘Separation Theorems and Bell Inequalities in Algebraic Quantum Mechanics’, in P. Busch, P. Lahti, P. Mittelstaedt (eds), *Proceedings of the Symposium on the Foundations of Modern Physics, Cologne, June 1-5, 1993* (Singapore: World Scientific, 1994), pp. 29-37 (also at <https://arxiv.org/abs/2306.01909> ).
- (E.2) ‘Making Sense of Approximate Decoherence’ (with M. Hemmo), in D. Hull, M. Forbes, R. Burian (eds), *Proceedings of the Philosophy of Science Association, 1994, Vol.1* (East Lansing: Philosophy of Science Association, 1994), pp. 345-354.
- (E.3) ‘Virtual Reality: Consequences of No-Go Theorems for the Modal Interpretation of Quantum Mechanics’ (with P. E. Vermaas), in M. L. Dalla Chiara, R. Giuntini and F. Laudisa (eds), *Language, Quantum, Music* (Dordrecht: Kluwer, 1999), pp. 117-128.
- (E.4) ‘The Statistical Interpretation according to Born and Heisenberg’, Chapter 14 in Christian Joas, Christoph Lehner, and Jürgen Renn (eds), *HQ-1: Conference on the History of Quantum Physics (Vols. I & II)*, MPIWG preprint series, Vol. 350 (Berlin: MPIWG, 2008), pp. 269-288 (Vol. II) (also at <https://www.mpiwg-berlin.mpg.de/sites/default/files/Preprints/P350.pdf> ).
- (E.5) ‘Preface’ (with D. Miller and H. Price), *Time-symmetric Approaches to Quantum Mechanics*, a focus issue of *Studies in History and Philosophy of Modern Physics* **39**(4), 705-708 (November 2008).
- (E.6) ‘Leggett’s Theorem without Inequalities’, in L. Accardi, G. Adenier, C. Fuchs, G. Jaeger, A. Yu. Khrennikov, J.-Å. Larsson and S. Stenholm (eds), *Foundations of Probability and Physics-5*, American Institute of Physics Conference Proceedings, Vol. 1101 (New York: AIP, 2009), pp. 233-240 (also at <http://arxiv.org/abs/0811.3444> ).

## **F. Articles: archived**

(F.1) ‘Derivation of the Symmetry Postulates for Identical Particles from Pilot-Wave Theories’, <http://xxx.arxiv.org/abs/quant-ph/0302099> and <http://philsci-archive.pitt.edu/archive/00000993/> (18pp.).

(F.2) ‘Gauge- and Galilei-invariant Geometric Phases’, <http://philsci-archive.pitt.edu/archive/00002211/> (31pp.).

(F.3) ‘Translation of W. Heisenberg: “Ist eine deterministische Ergaenzung der Quantenmechanik moeglich?”’ (with brief introduction, with E. Crull), <http://philsci-archive.pitt.edu/8590/> (18pp.).

(F.4) ‘Worlds Galore?’, essay review of S. Saunders, J. Barrett, A. Kent and D. Wallace (eds.), *Many Worlds? Everett, Quantum Theory, and Reality* (Oxford: Oxford University Press, 2010), <http://philsci-archive.pitt.edu/9801/> [longer version of (H.5)].

## **G. Articles: in preparation**

(G.1) ‘Better than Bohr: Grete Hermann’s Interpretation of Quantum Mechanics’, to appear in P. Charbonneau, M. Frank, M. van der Heijden and D. Monaldi (eds.), *Beyond Knabenphysik: Women in the history of quantum physics* (Cambridge: CUP).

(G.2) ‘Kantianism with a Human Face: Grete Hermann’s Philosophy of Science’ (with E. Crull and M. Cuffaro).

(G.3) ‘Measurement Dependence and Nonlocality’ (with R. Hermens and G. Leegwater).

(G.4) ‘The Conventionality of Branching’, invited contribution to A. Ney (ed.), *Locality and the Many Worlds Interpretation of Quantum Mechanics*.

(G.5) ‘Quantum Logic in Disguise?’, to be submitted to *Journal of Philosophical Logic*.

(G.6) ‘What is a Quantum Phenomenon? A study in adaptive empiricism’.

(G.7) ‘Classicality, Decoherence and Time-Symmetry’.

(G.8) ‘Simultaneity is Both Conventional and Relative’.

(G.9) ‘Locality without Relativity’.

## **H. Book reviews, essay reviews, short notes, and interviews (and publications not in HPS)**

(H.1) Book review of: *Interpreting the Quantum World*, by Jeffrey Bub (Cambridge: Cambridge University Press, 1997), *Nuncius. Annali del Museo di Storia della Scienza di Firenze* **12** (1997), 606-610.

(H.2) Short note: ‘Original Typescript of Heisenberg’s Uncertainty Paper Discovered’, *AIP History Newsletter* **XL**(1) (Spring 2008), 6.

(H.3) Interview: in J. Ferret and J. Symons (eds), *Foundations of Philosophy and Physics – 5+1 questions* (Automatic Press, 2010), pp. 9-17.

(H.4) Interview: in M. Schlosshauer (ed.), *Elegance and Enigma: Seventeen conversations on quantum mechanics* (Springer, 2011; see <http://www.springer.com/physics/quantum+physics/book/978-3-642-20879-9>) (14pp.).

(H.5) Book review of: *The Everett Interpretation of Quantum Mechanics. Collected Works 1955-1980 with Commentary*, by Hugh Everett III, ed. by J. A. Barrett and P. Byrne (Princeton and Oxford: Princeton University Press, 2012), *HOPOS* **3** (2013), 348-352 (version with footnotes and references under <http://philsci-archive.pitt.edu/10768/>).

(H.6) Essay review: ‘The Many Facets of Everett’s Many Worlds: S. Saunders, J. Barrett, A. Kent and D. Wallace (eds.), *Many Worlds? Everett, Quantum Theory, and Reality* (Oxford: Oxford University Press, 2010)’, *Metascience* **22** (2013), 575-582 [much shortened version of (F.4)].

(H.7) Essay review of: *The Emergent Multiverse: Quantum theory according to the Everett Interpretation* by D. Wallace (Oxford: Oxford University Press, 2012), *Philosophy of Science* **82**(1) (2015), 129-148 (with J. Ismael, also under <http://philsci-archive.pitt.edu/10940/>).

(H.8) Translation and edition of two appendices (with C. Bacciagaluppi): in M. Bacciagaluppi, *Appunti autobiografici di uno psicoanalista relazionale* (Milano: Mimesis Edizioni, 2018).

(H.9) 'Physics and Beyond': Essay Review of *Grete Henry-Hermann: Philosophie - Mathematik - Quantenmechanik*, ed. by Kay Herrmann (Wiesbaden: Springer VS), *Journal for General Philosophy of Science* **51**(4) (2020), 595-610 (also under <https://philsci-archive.pitt.edu/18431/>).

(H.10) Translation of three short papers by Grete Hermann (with introduction), *Journal for General Philosophy of Science* **51**(4) (2020), 615-619, 621-623, 625-626, 627-629 (also under <https://philsci-archive.pitt.edu/18428/>).

(H.11) Interviewed by Mon Klein Douwel for 'Grete Hermann, vrouwelijke quantumheld naast Bohr en Heisenberg, komt eindelijk in de geschiedenisboeken', *de Volkskrant* (26 March 2021), <https://www.volkskrant.nl/wetenschap/grete-hermann-vrouwelijke-quantumheld-naast-bohr-en-heisenberg-komt-eindelijk-in-de-geschiedenisboeken~bb47362d/>.

(H.12) 'Sonnenborgh Utrecht inaugurated as new EPS historic site', *e-EPS* (May 2021), <https://www.eps.org/blogpost/751263/370486/Sonnenborgh-Utrecht-inaugurated-as-new-EPS-Historic-Site>.

(H.13) Interviewed by Michelle Frank for the American Institute of Physics Oral History Interviews, 12-13 July 2022 (currently being edited).

(H.14) Two proofs (attr.), in E. Curiel (ed.), 'Philosophers of Physics Proofs that *P*', <http://strangebeautiful.com/papers/philrs-phys-proofs-p.pdf>.

(H.15) 'Memories of Paul Feyerabend in Zürich', PKF Centennial website, <https://www.pkf100.org/memoirs/guido-bacciagaluppi>.

## I. Talks

(I.1) *Quantum Logic, Semantics, and Realism*. Biennial Meeting of the International Quantum Structures Association, Castiglione della Pescaia, September 1992 (**contributed**). [Preliminary version of (C.1).]

(I.2) *Some Aspects of Nonlocality and Separation*. The  $\Sigma$ -Club, One-Day Conference on the Philosophy of Physics, Cambridge, November 1992 (**invited**). [Preliminary version of (E.1).]

(I.3) *The Concept of Truth in Gödel's Theorem*. Colloquium Grondslagen Natuurkunde, Universiteit Utrecht, May 1993 (**invited**). Also given in the Department of Philosophy, Logic and Scientific Method, London School of Economics, November 1993 (**invited**). [Based on my M.Phil. Thesis.]

(I.4) *Separation Theorems and Bell Inequalities in Algebraic Quantum Mechanics*. Symposium on the Foundations of Modern Physics, Cologne, June 1993 (**contributed**). Also given at the Second U.K. Meeting on the Foundations of Physics, University of St Andrews, September 1993 (**contributed**). [Published as (E.1).]

(I.5) *Modal Interpretations of Imperfect Measurements* (joint author, with M. Hemmo). The  $\Sigma$ -Club, Two-Day Conference on the Philosophy of Physics, Cambridge, May 1994 (**invited**). Also given to the Colloquium Grondslagen Natuurkunde, Universiteit Utrecht, July 1994 (**invited**). [Preliminary version of (C.4).]

(I.6) *A Kochen-Specker Contradiction in the Modal Interpretation of Quantum Mechanics*. Biennial Meeting of the International Quantum Structures Association, Prague, August 1994 (**contributed**). [Published as (C.2).]

(I.7) *Making Sense of (Approximate) Decoherence* (joint author, with M. Hemmo). Biennial Meeting of the Philosophy of Science Association, New Orleans, October 1994 (**contributed**). [Totally revised version of (E.2).]

(I.8) *On the Meaning of Unsharp Measurements*. Kolloquium Köln, Institut für Theoretische Physik, Universität zu Köln, February 1995 (**invited**). [Material partly used for (C.5).]

(I.9) *Many-Worlds and Probabilities in Quantum Mechanics* (joint author, with M. Hemmo). Centre for the Philosophy of the Natural and Social Sciences, London School of Economics, March 1995 (**invited**). Also given at the  $\Sigma$ -Club, One-Day Conference on the Philosophy of Physics, Cambridge, March 1995 (**invited**).

(I.10) *State Preparation in the Modal Interpretation* (joint author, with M. Hemmo). Workshop on 'Quantum Measurement: Decoherence and Modal Interpretations', Minnesota Center for the Philosophy of Science, Minneapolis, May 1995 (**invited**). [Published as (D.1).]

(I.11) *The Kochen-Specker Theorem and its Consequences for the Modal Interpretation of Quantum Mechanics*. Tenth International Congress of Logic, Methodology and Philosophy of Science, Florence, August 1995 (**contributed**). [Preliminary version of (E.3).]

(I.12) *Bohm-Bell Dynamics for the Modal Interpretation*. Conference on 'The Modal Interpretation of Quantum Mechanics', Universiteit Utrecht, June 1996 (**invited**). Also given at the Biennial Meeting of the International Quantum Structures Association, Berlin, August 1996 (**contributed**). [Published as (D.2).]

(I.13) *L'interpretazione modale della meccanica quantistica*. Dipartimento di Filosofia, Università di Firenze, June 1996 (**invited**). In extended form also given (in English) in the Centre for the Philosophy of the Natural and Social Sciences, London School of Economics, October 1996 (**invited**).

(I.14) *Sei mondi possibili di storie quantistiche*. Dipartimento di Filosofia, Università di Firenze, June 1996 (**invited**). Also given (in English) to the Oxford Philosophy of Physics Seminar, Oxford, March 1997 (**organised by self**).

(I.15) *Delocalised Properties in the Modal Interpretation of a Continuous Model of Decoherence*. Fifth U.K. Meeting on the Foundations of Physics, Oxford, September 1996 (**contributed**). [Published as (C.10).]

(I.16) *Sharp Reconstructions of Unsharp Observables*. Oxford Philosophy of Physics Seminar, November 1996 (**organised by self**). [Published as (C.5).]

(I.17) *Osservabili, proprietà oggettive e trasformazioni di Galileo in meccanica quantistica*. Facoltà di Scienze, Università di Padova, March 1997 (**invited**). [Published as (D.3).]

(I.18) *Making Geometric Phases Gauge- and Galilei-Invariant*. Oxford Philosophy of Physics Seminar, Oxford, June 1997 (**organised by self**). Also given at the Sixth U.K. Meeting on the Foundations of Physics, Hull, September 1997 (**contributed**), and in revised form at the Philosophy of Physics Saturdays One-Day Conference on History and Philosophy of Gauge Theories, Department of Philosophy, University of California at Berkeley, May 2002 (**organised by self**). [Archived as (F.2).]

(I.19) *How to Weaken the Distribution Postulate in Pilot-Wave Theories*. Colloquium Grondslagen Natuurkunde, Universiteit Utrecht, January 1998 (**invited**). Also given to the Oxford Philosophy of Physics Seminar, Oxford, January 1998 (**organised by self**).

(I.20) *Quantum Physics for Philosophers*. Jowett Society Lecture, Balliol College, Oxford, March 1998 (**invited**).

(I.21) *Identical Particles in Pilot-Wave Theories*. Oxford Philosophy of Physics Seminar, Oxford, May 1998 (**organised by self**). Also given at the Seventh U.K. Conference on the Philosophy of Physics, Nottingham, September 1998 (**contributed**), to the Colloquium Grondslagen Natuurkunde, Universiteit Utrecht, November 1998 (**invited**), and at the 6th Annual Florence-Stanford Meeting, University of Stanford at Florence, March 1999 (**invited**). In revised form also given at the Biennial Meeting of the International Quantum Structures Association, Cesenatico, April 2001 (**contributed**), in the Physikalisches Institut, Albert-Ludwigs-Universität, Freiburg i.Br., June 2001 (**invited**), and in the Mathematisches Institut, Ludwig-Maximilians-Universität, München, October 2002 (in German) (**invited**). [Archived as (F.1).]

(I.22) *Einsteinian Probability in Classical and Quantum Physics*. 5th British Academy Postdoctoral Fellowship Symposium, London, January 1999 (**contributed**). In expanded form also given to the Group in Logic and Philosophy of Science, University of California at Irvine, February 1999 (**invited**), and the Department of Philosophy, University of California at Berkeley, February 1999 (**invited**); also given as a Research Colloquium, Balliol College, Oxford, March 1999 (**invited**).

(I.23) *The Role of Decoherence in Quantum Theory*. Oxford Philosophy of Physics Seminar, Oxford, June 1999 (**organised by self**). In totally revised form given as an invited talk at the workshop on ‘Quantum Mechanics on the Large Scale’, University of British Columbia, April 2003 (**invited**), and in the Department of Physics, Universität des Saarlandes, May 2003 (in German) (**invited**). [Preliminary versions of (D.5), (D.11) and (D.21).]

(I.24) *Pilot-Wave Theory and the Thermodynamic Analogy in Quantum Mechanics and Special Relativity*. Bristol Philosophy of Physics Seminar, Department of Theoretical Physics, University of Bristol, March 2000 (**invited**). Also given to the Oxford Philosophy of Physics Seminar, Oxford, June 2000 (**organised by self**).

(I.25) *Van Fraassen’s Modal Interpretation: Constructive Empiricism and Quantum Mechanics*. Centre de Philosophie des Sciences, Université Catholique de Louvain, Louvain-la-Neuve, May 2000 (**invited**).

(I.26) *Current Trends in Philosophy of Quantum Mechanics*. Logic Colloquium, Group in Logic and the Methodology of Science, University of California at Berkeley, October 2000 (**invited**). In revised form also given to the Philosophisches Seminar I, Albert-Ludwigs-Universität, Freiburg i.Br., June 2001 (in German) (**invited**).

(I.27) *The Arrow of Time and Decoherent Histories*. Oxford Philosophy of Physics Seminar, Oxford, June 2001 (**invited**). Also given to the Philosophy of Physics Saturdays, University of California at Berkeley, November 2001 (**organised by self**), to the Seminario Interdisciplinare (Filosofia-Fisica), Dipartimento di Fisica, Università di Firenze, March 2003 (**invited**), and at the workshop on ‘Quantum Mechanics on the Large Scale’, University of British Columbia, April 2003 (**invited**); slides at <https://www.phas.ubc.ca/~berciu/PHILIP/CONFERENCES/PW103/FILES/> (file baccia.ps). [Preliminary version of (C.11).]

(I.28) *Remarks on Space-Time and Locality in Everett Interpretations of Quantum Mechanics*. NATO Advanced Research Workshop on ‘Modality, Probability and Bell’s Theorems’, Krakow, August 2001 (**invited**). Also given to the Berkeley Quantum Computation and Information Seminar, University of California at Berkeley, November 2001 (**invited**), and to the Working Group in History and Philosophy of Logic, Mathematics and Science, University of California at Berkeley, November 2001 (**organised by self**). [Published as (D.4).]

(I.29) *Commentary on the Papers by A. Fine, M. Jones, A. Aspect and A. Zeilinger*. Annual Meeting of the American Physical Society, Albuquerque, April 2002 (**invited**). [Summarised in I. Durham, ‘EPR to Entanglement’, *History of Physics Newsletter* VIII(5), 5-7 (Fall 2002).]

(I.30) *Is Logic Empirical? What Quantum Theory Really Shows*. Department of Philosophy, University of Edinburgh, May 2002 (**invited**). In revised form, also given at the department of History and Philosophy of Science, University of Sydney, December 2006 (**invited**). [Preliminary version of (D.8).]

(I.31-33) *Philosophie und Quantentheorie. Helmholtz-Vorlesungen 2002*. Universität Bremen, May 2002 (**invited**).

(I.34) *Identical Particles in the Bohm Theory (and their Identity)*. Department of Philosophy, University of Leeds, January 2003 (**invited**).

(I.35) *Wahrscheinlichkeit und Zeitsymmetrie*. Department of Philosophy, Universität Dortmund, May 2003 (**invited**). Also given (in English) in the Department of Philosophy, Universität Konstanz, July 2003 (**invited**), and to the Theory Colloquium, Institut für Grenzgebiete der Psychologie, Freiburg, August 2003 (**invited**). In abridged form, given further at the IGPP-BION joint meeting, Beuggen, May 2004 (in German) (**contributed**). [Preliminary version of (D.10).]

(I.36) *Beltrametti and Bugajski’s Classical Extensions of Quantum Mechanics*, Conference on ‘Quantum Theory: Reconsideration of Foundations – 2’, Växjö University, June 2003 (**invited**). In revised form also given at the colloquium on Philosophy, Probability and Physics, IGPP Freiburg, April 2004 (**organised by self**). [Preliminary version of (D.6).]

(I.37) *Minds and Locality in Everett Interpretations*. Workshop on ‘Aspects of Mind-Matter Research’, Wildbad Kreuth, June 2003 (**invited**).

(I.38) *Collapse Theories as Beable Theories*. Twelfth U.K. Meeting on the Foundations of Physics, Leeds, September 2003 (**contributed**). [Preliminary version of (D.9).]

(I.39) *Probability, Arrow of Time and Decoherence*. Conference on ‘Probability in Quantum Mechanics’, LSE, February 2004 (**invited**). Also given at IGPP, Freiburg, May 2004 (**invited**), and in revised versions at the Summer Foundations Workshops, Centre for Time, Sydney, December 2005 (**invited**) and December 2006 (**invited**). [Published as (C.11).]

(I.40) *Nelson’s Mechanics, Time-Symmetry and Mach’s Principle*. Workshop on ‘Time Asymmetry and Quantum Reality’, University of Sydney, December 2004 (**invited**). Also given at the workshop on ‘Endophysics, Time, Quantum and the Subjective’, ZiF, Bielefeld, January 2005 (**invited**), and for the Séminaire de philosophie et mathématiques, Ecole Normale Supérieure, Paris, April 2005 (**invited**). [Published as (D.7).]

(I.41) *Classical Kochen-Specker Theorems*. One-Day PPP Conference, Ecole Normale Supérieure, Paris, December 2004 (**organised by self**).

(I.42) *Le procès de la mesure dans l’information quantique*. Séminaire de philosophie des sciences de l’IHPST, Ecole Normale Supérieure, Paris, January 2005 (**invited**). Also given (in English) for the workshops ‘What is Quantum in Quantum Computing’, University of Konstanz, May 2005 (**invited**), ‘Quantum Information, Computation and Logic: Exploring New Connections’, Perimeter Institute, Waterloo, Ontario, July 2005 (**invited**), ‘Being a Bayesian in a Quantum World’, University of Konstanz, August 2005 (**invited**) and ‘New Directions in the Foundations of Physics’, College Park, Maryland, April 2006 (**invited**).

(I.43) *Non-locality and Classical Correlations*. Perimeter Institute, Waterloo, Ontario, July 2005 (**invited**). Also given at the workshop ‘Time Symmetry and Quantum Mechanics, I’, University of Sydney, July 2005 (**invited**), and for the workshop on ‘Quantum Measurements and Foundations of Quantum Mechanics’, Dipartimento di Fisica, Università di Pavia, October 2005 (**invited**). [Preliminary version of (C.13).]

(I.44) *Le principali interpretazioni della meccanica quantistica*. Workshop on ‘Philosophical and Logical Aspects of Quantum Mechanics’, Dipartimento di Filosofia, Università di Roma 3, October 2005 (**invited**).

(I.45) *Time-symmetry Argument for  $v$  being a Gradient in Nelson’s Theory*. Workshop on ‘Time, Information and Perspective in the Quantum World’, Centre for Time, Sydney, December 2005 (**invited**). [Published as appendix to (C.13).]

(I.46) *Teleportation and False Theories*. Round table ‘Aux frontières de la physique et de la philosophie’, Ecole Normale Supérieure, Paris, January 2006 (**invited**).

(I.47) *Non-equilibrium, Non-linearity and Non-locality*. One-day European Meeting on the Foundations of Physics, Universiteit Utrecht, May 2006 (**invited**), and (in revised form) the Oxford Philosophy of Physics Seminar, Oxford, October 2006 (**invited**). Also given at the workshop on ‘Quantum Phenomena and Quantum Information’, Dipartimento di Fisica, Università di Firenze, July 2007 (**invited**). Also given (in revised form) as ‘Non-equilibrium in Nelsonian mechanics’ at the History, Philosophy and Foundations of Physics seminar, University of Aberdeen, November 2011 (**organised by self**) and at the conference on ‘Emergent Quantum Mechanics’, University of Vienna, November 2011 (**invited**). [Published as (C.13).]

(I.48) *Quantum Mechanics for Beginners*. Summer Foundations Workshop, Centre for Time, Sydney, December 2006 (**invited**).

(I.49) *Reconsidering the 1927 Solvay Conference*. First meeting of the History of Quantum Physics project, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin, July 2007 (**contributed**). Also given at the FOUNDPHYS seminar, LARSIM, Saclay, France, September 2007 (**invited**). [Preliminary version of (E.4).]

(I.50) *Quantum Logic and Truth Functionality*. IHPST, Paris, September 2007 (**organised by self**). Also given at the Department of Philosophy, University of Glasgow, November 2010 (**invited**), and at the  $\Sigma$ -Club, LSE, January 2011 (**invited**).

(I.51) *Alice Through the Hour-Glass*. Workshop on ‘Retrocausal Models in Quantum Theory’, Sydney, November 2007 (**organised by self**).

(I.52) *A New No-Go Theorem for Hidden Variables Theories*. Perimeter Institute for Theoretical Physics, Waterloo, Ontario, April 2008 (**invited**). Also given at the workshop on ‘Causality and Locality in Physics’, University of Tilburg, June 2008 (**invited**), and at the conference on ‘Foundations of Probability and Physics – 5’, University of Växjö, Sweden, August 2008 (**contributed**). [Published as (E.6).]

(I.53) *The Statistical Interpretation according to Born and Heisenberg*. Workshop on ‘History of Quantum Theory’, University of Sydney, May 2008 (**organised by self**). [Published as (E.4)].

(I.54) *Heisenberg on Hidden Variables* (with E. Crull). Second meeting of the History of Quantum Physics project, Universiteit Utrecht, July 2008 (**contributed**). [Published as (C.12).]

(I.55-57) *Decoherence*. Three lectures for the Geneva Summer School in Foundations of Physics, Arolla, Switzerland, July 2009 (**invited**).

(I.58) *Quantum Probabilities and Time Symmetry in the Classical Regime*. ESF workshop on ‘Physical and Philosophical Perspectives on Probability, Explanation and Time’, Universiteit Utrecht, October 2009 (**organised by self**).

(I.59) *Decohering Away the Tails Problem*. Workshop on ‘Foundations of Quantum Mechanics and Quantum Information’, ENS, Paris, January 2010 (**organised by self**).

(I.60) *Schrödinger (and Pauli) on Hidden Variables*. Sixteenth U.K. and European Meeting on the Foundations of Physics, Aberdeen, July 2010 (**organised by self**).

(I.61) *Olismo semantico e fisica di Newton*. Dipartimento di Filosofia, Università di Cagliari, April 2011 (**invited**). Also given (in revised form) as *Meaning Holism and Newtonian Mechanics* at the Center for History and Philosophy of Science, University of Notre Dame, May 2011 (**invited**).

(I.62) *La logica è empirica?* Dipartimento di Filosofia, Università di Cagliari, April 2011 (**invited**). Also given (in revised form) as *Is logic empirical?* at the ESF workshop on ‘Philosophy of Computer Science and Artificial Intelligence’, Ponta Delgada (Portugal), September 2011 (**organised by self**), slides at <http://centria.di.fct.unl.pt/fe/events/azores/slides/Bacciagaluppi-s.pdf> ; and (in further revised form) as *Meaning change and meaning constancy in quantum logic* at the 2013 Philosophy Reflectorium, University of Aberdeen, January 2013 (**organised by self**).

(I.63) *Aspects of the ‘Bornian’ and ‘Schrödingerian’ views of the wavefunction*. CHPSTM workshop on ‘Quantum States: ontic or epistemic?’, University of Aberdeen, June 2011 (**organised by self**).

(I.64) *Insolubility Theorems and EPR Argument*. Philosophy of Physics Seminar, Oxford University, February 2012 (**invited**). Revised version given at the 11th Biennial Meeting of the International Quantum Structures Association, University of Cagliari, July 2012 (**contributed**). [Published as (C.14). Revised version published as (C.16).]

(I.65) *Grete Hermann and the Copenhagen Interpretation*. Workshop on ‘Grete Hermann: Between Physics and Philosophy’, University of Aberdeen, May 2012 (**organised by self**).

(I.66) *Remarks on ‘How Science Works’*. Invited contribution to a seminar organised by the Principal of the University of Aberdeen for the Permanent Secretary for Scotland, Sir Peter Housden, University of Aberdeen, June 2012 (**invited**).

(I.67) *Commentary on the Paper by C. Fuchs*. Conference on ‘New Directions in the Philosophy of Science’, Bertinoro Conference Centre, University of Bologna, October 2012 (**organised by self**). [Published as (D.14).]

(I.68) *Decoherence, Time (A)symmetry and Statistical Mechanics*. Workshop on ‘Localization in Quantum Mechanics: From atoms to photons’, European Laboratory for Non-linear Spectroscopy, Università di Firenze, November 2012 (**invited**).

(I.69) *Jordan’s Derivation of Blackbody Fluctuations* (joint author with E. Crull and O. Maroney). 8th Annual U.K. Integrated HPS Workshop, University of Aberdeen, April 2013 (**organised by self**). Also given at the Fourth Meeting of the History of Quantum Physics project, San Sebastian, July 2015 (**contributed**); video available at <https://www.youtube.com/watch?v=PlSXvt1qsbc> . [Published as (C.18).]

(I.70) *Bohr's Reply to EPR*. XVIIth Seven Pines Symposium, on 'The Conceptual Development of Quantum Physics', The Outing Lodge at Pine Point, Stillwater, Minnesota, May 2013 (**invited**); slides at <http://pitp.physics.ubc.ca/confs/7pines2013/talks/Bacciagaluppi%20Seven%20Pines%20talk.pdf>. In revised form also given as *Did Bohr Understand EPR?* at the Laboratoire SPHERE (CNRS, Paris 7), November 2014 (**invited**), as *Bohrs Antwort auf Einstein, Podolsky und Rosen* (in German) at the Institut für Philosophie, Leibniz-Universität Hannover, January 2015 (**invited**), and as *Bohr's Reply to EPR* at the Max-Planck Institute for Quantum Optics, Munich, April 2015 (**invited**). [Published as (D.15).]

(I.71) *Grete Hermann and the Foundations of Quantum Mechanics*. Department of Mathematics, University of York, October 2013 (**invited**). Also given (in French) at the Laboratoire SPHERE (CNRS, Paris 7), March 2014 (**invited**).

(I.72) *Quantum Logic and Logical Pluralism*. Department of Philosophy, University of York, October 2013 (**invited**). Also given at the Department of Philosophy, University of Edinburgh, November 2013 (**invited**). In revised form also given as *Quantum Logic meets Logical Pluralism* at IHPST, Paris, May 2015 (**invited**).

(I.73) *The Misleading Equivalence of Decoherence and Branching*. Workshop on 'The Quantum State as the Memory of a Quantum System', Université de Lausanne, May 2014 (**invited**); slides at [http://www.unil.ch/philo/files/live/sites/philo/files/shared/evenements/quantum\\_state\\_2014/Bacciagaluppi\\_Lausanne3.pdf](http://www.unil.ch/philo/files/live/sites/philo/files/shared/evenements/quantum_state_2014/Bacciagaluppi_Lausanne3.pdf). Also given at MCMP, Munich, April 2015 (**invited**). In revised form, as *Classicality, Decoherence and Time-Symmetry*, given at the workshop on 'Quantum-Classical Connexion', Erasmus University Rotterdam, January 2016 (**invited**), and at the workshop 'Decoherence in the Philosophy of Quantum Physics', University of Leeds, September 2016 (**invited**). [In preparation as (G.7).]

(I.74) *Top-down and Bottom-up Approaches to Quantum Mechanics*. Special session on 'The philosophical significance of quantum reconstruction theorems', Quantum Theory: from Problems to Advances – QTPA, Linnaeus University, Växjö, June 2014 (**organised by self**).

(I.75) *Leggett-Garg Inequalities, Pilot Waves and Contextuality*. Purdue Winer Memorial Lectures 2014: Contextuality from Physics to Psychology, Purdue University, 1-3 November 2014 (**invited**). In revised form given also as a Philosophy of Physics Seminar, University of Aberdeen, February 2015 (**organised by self**) and at the Max-Planck Institute for Quantum Optics, Munich, April 2015 (**invited**) [Published as (C.17) and (D.17).]

(I.76) *Commentary on the paper by Margaret Morrison*. Interdisciplinary workshop on Models, Simulations and Data at the LHC, University of Edinburgh, May 2015 (**invited**).

(I.77) *On the Free Will Theorem*. Theoretical Philosophy Seminar, Universiteit Utrecht, October 2015 (**invited**). In revised form given as a Lunch Lecture, Vereniging voor Technische Physica, TU Delft, June 2017 (**invited**).

(I.78) *Dutch Foundations of Physics*. Pitch at the first NWA Route 5 workshop 'Bouwstenen van materie en fundamenteen van ruimte en tijd', Amsterdam, March 2016 (**invited**).

(I.79) *Von Neumann's no-Hidden-Variables Theorem (and Hermann's Critique)*. Joint LogiCIC/LIRa Seminar, University of Amsterdam, May 2016 (**invited**). [In revised form published as (D.23).]

(I.80-84) *Probability and Quantum Mechanics*. Five lectures for the 5<sup>th</sup> Tübingen Summer School in History and Philosophy of Science, Tübingen, Germany, August 2016 (**invited**).

(I.85-88) *Everett's Many-Worlds*. Four lectures for the XIX International Summer School in Philosophy of Physics, Urbino, Italy, September 2016 (**invited**).

(I.89) *Relativity and the Meaning of the Wave Function*. Workshop on 'Metaphysics and Physics: Methodological Links', University of Lausanne, November 2016 (**invited**).

(I.90) *Quantum Sinterklaas*. Descartes Centre Colloquium, Universiteit Utrecht, December 2016 (**invited**).

(I.91) *Quantum Probability and Contextuality*. Seminar Series in Probability and Statistics, TU Delft, January 2017 (**invited**).

(I.92) *A Short Introduction to the Foundations of Physics* (with R. A. Mulder), Department of Physics, University of Amsterdam, July 2017 (**invited**). Also given for the StudentenOverleg Natuur- en Sterrenkunde, Universiteit Utrecht, November 2017 (**invited**).

(I.93) *A Proof of Specker's Principle*. Workshop on 'Quantum Contextuality in Quantum Mechanics and Beyond', Prague, June 2017 (**invited**). Also given at the QPL/IQSA 2017 conference, Nijmegen, July 2017 (**IQSA keynote speaker**). [Published as (C.20).]

(I.94) *Retrocausality: Why Not?* Philosophy of Science Research Seminar, Universiteit Utrecht, October 2017 (**organised by self**).

(I.95) *Empirismo adattativo*. Meeting on 'Lost in physics and metaphysics. Questioni di realismo scientifico', Istituto Lombardo Accademia di Scienze e Lettere, Milan, Italy, January 2018 (in Italian) (**invited**). In revised form also given for the META Group, Politecnico di Milano, July 2023 (**invited**). [Published as (D.19).]

(I.96) *The Quantum Mechanical Free Will Theorem* (with R. A. Mulder), Physics Department Day, Universiteit Utrecht, March 2018 (**invited**).

(I.97) *Settings-Source Dependence and Signalling* (with R. Hermens and G. Leegwater). Workshop on 'Quantum Contextuality in Quantum Mechanics and Beyond', Prague, May 2018 (**invited**). Also given as *Non-locality for Measurement-dependent Theories* at Foundations 2018: The 19<sup>th</sup> U.K. and European Meeting on the Foundations of Physics, Universiteit Utrecht, July 2018 (**organised by self**). [In preparation as part of (G.3).]

(I.98) *Quantum Logic and 'Logical Schizophrenia'*. Academy of Sciences of the Czech Republic, Prague, May 2018 (**invited**). [In preparation as (G.5).]

(I.99) *Causation as Emergent Phenomenon: A Case Study*. Workshop on 'Modality in Physics', Jagellonian University, Krakow, June 2018 (**invited**). Also given at the Philosophy of Science Research Seminar, Universiteit Utrecht, February 2019 (**organised by self**) and the workshop on 'Emergence, Conceptual and Philosophical Aspects', Dutch Institute for Emergent Phenomena, Amsterdam, May 2019 (**contributed**).

(I.100) *Matters of Probability*. Philosophy of Science Research Seminar, Universiteit Utrecht, February 2019 (**organised by self**). [Preliminary version of (D.20).]

(I.101) *POVMs and Complementarity*. Workshop on 'Foundations of Physics in memoriam Paul Busch', University of York, U.K., June 2019 (**invited**).

(I.102) *Philosophy of Probability and the Multiverse*. Workshop on 'Physics and Decisions: An Exploration', Humboldt-Universität, Berlin (Germany), December 2019 (**invited**). [Material partly used for (D.22).]

(I.103) *Reverse Bell Inequalities* (with R. Hermens). Workshop on 'Quantum Mechanics', Max-Planck-Institut für Wissenschaftsgeschichte, Berlin (Germany), January 2020 (**invited**). Given in revised form as *Bell Inequality Violations and Relativity of Pre- and Post-selection*, Zoom conference 'Quantum Limits of Knowledge 21', Grenoble (France) (**organised by self**), at the 20<sup>th</sup> U.K. and European Meeting on the Foundations of Physics, Paris (France), October 2021 (**contributed**), and at the workshop on *The Quantum, the Thermal and the Gravitational Reconciled: Physics and Philosophy in the Varied Landscape of the Intersections*, Munich Center for Mathematical Philosophy, Munich (Germany), June 2022 (**invited**). [Published as (C.19).]

(I.104) *Bohr's Slit and Hermann's Microscope*. Workshop on 'Conceptual and Methodological Aspects of Physics: Historical Perspectives', Universiteit Utrecht, March 2020 (**organised by self**).

(I.105) *Better than Bohr: Grete Hermann and the Copenhagen Interpretation*. History and Philosophy of Physics Research Seminar, University of Bonn (via Zoom), May 2020 (**invited**). In revised form given at the workshop on *Grete Hermann and Friends*, Utrecht University, July 2022 (**organised by self**) and at the 2<sup>nd</sup> HPP Workshop, Utrecht University (**invited**). [In preparation as (G.1).]

(I.106) *On Multi-Time Correlations in Stochastic Mechanics* (with M. Derakhshani). Zoom conference on 'Advances in Pilot-Wave Theory', University of Lisbon, July 2021 (**invited**). [Published as (D.24).]

(I.107) *Spontaneous Collapse without Quantum States*. Symposium on ‘Prospects for Relativistic Collapse Theories’, 8<sup>th</sup> Biennial Meeting of the European Philosophy of Science Association, Turin (Italy), September 2021 (**contributed**).

(I.108) *What is a Quantum Phenomenon? A study in adaptive empiricism*. HPS Colloquium, Ruhr-Universität-Bochum (via Zoom), November 2021 (**invited**). [In preparation as (G.6).]

(I.109) *Hypersurface-dependent vs lightcone collapse*. Workshop on ‘Prospects for Relativistic Collapse Theories’, Utrecht, The Netherlands, July 2022 (**organised by self**).

(I.110) *Measurement dependence and nonlocality*. Merton College, Oxford, January 2023 (**invited**). In revised form given at *Foundations 2023*, Bristol, July 2023 (**contributed**) and at the *Foundations of Physics @ Harvard* online seminars, September 2023 (**invited**); video available at <https://www.youtube.com/watch?v=ImDJW4zP-ck> . [In preparation as (G.3).]

(I.111) *Classics of Cambridge HPS: Michael Redhead*. Department of HPS, Cambridge, April 2023 (**invited**); video available at <https://sms.cam.ac.uk/media/4253637> .

(I.112) *Niels Bohr for the 21<sup>st</sup> Century*. META Group, Politecnico di Milano, July 2023 (**invited**). Also given at the Department of Science Education, University of Copenhagen, February 2024 (**invited**).

(I.113) *Conversazioni sulla meccanica quantistica*. Public discussion with Federica d’Auria, Padova, October 2023 (**invited**); see <https://www.padovaoggi.it/eventi/conversazioni-meccanica-quantistica-palazzo-monte-pieta-27-ottobre-2023.html> .

(I.114) *Locality without relativity*. Physics meets Philosophy in Vienna, Institute of Quantum Optics and Quantum Information, Vienna, March 2024 (**invited**). [In preparation as (G.9).]

(I.115) *Unscrambling Subjective and Epistemic Probabilities*. Theoretical Philosophy Colloquium, Department of Philosophy, University of Groningen, April 2024 (**invited**). [Published as (D.20).]

(I.116) *Kantianism with a Human Face: Grete Hermann’s Philosophy of Science* (joint author with E. Crull and M. Cuffaro), HOPOS 2024, Vienna, July 2024 (**contributed**).

I have further given:

- various informal seminars (**mostly as a student**) at ETH (1986-1992) and the University of Zürich (June 1991);
- several talks (**as a graduate student or mostly organised by self**) for the Cambridge Philosophy of Physics Seminar (1991-1996), the Oxford Philosophy of Physics Seminar and the Oxford Philosophy of Physics Graduate Discussion Group (1996-2000), the Philosophy of Physics Seminars at IHPST and CREA, Paris (2004-2006), the Department of Philosophy and the Department of History and Philosophy of Science at the University of Sydney (2007-2008), the Department of Philosophy and the Department of Physics at the University of Aberdeen (2009-2015), and at the University of Utrecht (since 2015);
- further lectures or seminars (**invited or organised by self**) at the University of California at Berkeley (2000-2002), the University of Michigan at Ann Arbor (March 2000), the Albert-Ludwigs-Universität Freiburg (June 2001), the Technische Universität München (October 2002), the Universität Dortmund (May 2003), the Max-Planck-Institut für Wissenschaftsgeschichte, Berlin (2011-2013), the University of Utrecht (since 2015), and the University of Nijmegen (March 2016, November 2020 and December 2021).

Finally, I have taken part in several other conferences as invited discussant, in particular ‘New Directions in the Foundations of Physics’, in College Park (Maryland), Washington (D.C.), Tarquinia (Italy) and Viterbo (Italy), in 2008, 2011, 2013, 2017, 2018, 2019, 2020 (postponed to 2021, via Zoom) and 2022, after having been an invited speaker in 2006. Since 2020, I am one of the organisers of the series.