

## Michael Dickson: Curriculum Vitae

Department of Philosophy  
University of South Carolina  
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### Education and Research Interests

B.A./B.S., University of South Carolina (1990)  
Ph.D., University of Notre Dame (1995)

Dissertation: *Probability and Nonlocality: Determinism Versus Indeterminism in Quantum Mechanics*  
(directed by James Cushing; examining committee: Jeremy Butterfield, Michael Redhead, James Cushing, Gordon Flemming)

Current areas of interest: philosophy of music, philosophy of psychology and psychiatry, medieval philosophy, game theory

### Academic and Administrative Appointments

2023-

Director of Graduate Assessment

2021-2022

Acting Chair, Department of Physics and Astronomy

2017-2019

Acting Chair, Department of Religious Studies

2011-2018

Chair, Department of Philosophy

2010-2013

Director, USC Consortium for Science, Technology, Environment, and Medicine in Society

2007-2010

Associate Director for Societal and Ethical Interactions of Nanotechnology, USC NanoCenter.

2004-present

Professor, Department of Philosophy, University of South Carolina

2002-2003

Visiting Professor, Department of Philosophy, Oxford University

2002-2004

Ruth N. Halls Professor of Humanities: Department of History and Philosophy of Science,  
Indiana University

1998-2002

Associate Professor: Department of History and Philosophy of Science, Indiana University

1996-1998

Assistant Professor: Department of History and Philosophy of Science, Indiana University

1995-1996

Ruth N. Halls Post-Doctoral Fellow in the Humanities: Department of History and Philosophy of  
Science, Indiana University

Spring, 1995

Visiting Scholar: Department of Philosophy, Cambridge University

Summer, 1994 and Fall, 1994

Adjoint Instructor: Department of Philosophy, University of South Carolina

1992-1993

Visiting Student: Cambridge University, Department of History and Philosophy of Science

1990-1994

Graduate Student: University of Notre Dame

## **Awards, Fellowships, Grants**

PI, Developing a Distributed Learning Version of P111 (\$8,000)

PI, Consortium for Science, Technology, Environment, and Medicine in Society (~\$200,000)

South Carolina Honors College Alumni of the Year (2005)

co-PI, "Nanotechnology in Society Project" (NSF NSEC Grant SES-0531160, \$1.5m)

Indiana University TERA (Teaching Excellence Recognition Award, \$1000)

Indiana University Dean's Fellow (\$10,000 per year for four years)

Indiana University Outstanding Junior Faculty Award (\$12,500)

American Council of Learned Societies Travel Grant (\$500)

Indiana University International Programs Travel Grant (\$800)

Indiana University Summer Faculty Fellowship (\$6000)

University of Notre Dame Outstanding Ph.D. in the Humanities

Mellon Foundation Fellowship

Javitz Foundation Fellowship

University of Notre Dame Presidential Fellowship

## **Publications**

### **Teaching-Related**

2023

*Introduction to Formal Logic*, Volume 3 (Aporia Press)

2018

*Introduction to Formal Logic*, Volume 2 (Aporia Press)

2015

*Introduction to Formal Logic*, Volume 1 (Aporia Press)

2007

*Inductive Logic* (not published, but used in classes; electronic copy available on request)

1999

*Quantum Mysteries*, (with assistance from Rob Brosnan; Aporia Press)

## Edited Works

2010

*Discourse on a New Method* (co-edited with Mary Domski). Open Court Press: Chicago, 2010.

2005

3 volumes of *Foundations of Physics* (Vol. 35, numbers 2-4, co-edited with two others)

## Books

1998

*Quantum Chance and Nonlocality* (Cambridge University Press).

## Articles

2024

“Musical Notation”, *Ergo* volume 11 (forthcoming)

2021

“The Great Theory of Beauty, and Sacred Music”, *Sacred Music* 147(4).

2018

“The *Imago Dei* and the *Imago Mundi*”, in Donaldson S., Cole-Turner R., eds., *Christian Perspectives on Transhumanism and the Church*, Palgrave Macmillan.

2016

“The Value of Statistical Lives and the Valuing of Life”, in McClimans, L., ed., *Measurement in Medicine: Philosophical Essays on Assessment and Evaluation*, Rowman & Littlefield.

2015

“Protective Measurement and the Explanatory Gambit”, in S. Gao, ed., *Protective Measurement*, ed. Shan Gao, Cambridge University Press.

2014

“Reinvention and Reconstruction: Aspects of Instrumentalism in Quantum Mechanics”, *Foundations of Physics*, **45**. DOI: 10.1007/s10701-015-9946-x

2013

“Theory from Chaos”, *Episteme*. **10**. DOI: 10.10.1017/epi.2013.37.

2012

“Kantianism at the Nanoscale”, in T. Vogt, ed., *Imaging at the Nanoscale*. Springer: New York.

“What the Fine-Tuning Argument Shows (and Doesn’t Show)”, in R. Gordon, J. Seckbach, and L. Swan, eds., *Origins of Design in Nature*. Springer: New York

2011

(with Kevin Elliott) “Distinguishing Risk and Uncertainty in Risk Assessments of Emerging Technologies” in T. Zulsdorf et. al. (eds.), *Quantum Engagements: Social Reflections of Nanoscience and Emerging Technologies*. AKA Verlag, 165-176.

2010

“Discourse on a New Method, or a Manifesto for a Synthetic Approach to History and Philosophy of Science” (with Mary Domski), in M. Domski and M. Dickson, eds., *Discourse on a New Method*, Open Court Press: Chicago, 1-20.

“Beauty Doth Of Itself Persuade: Dirac on Quantization” in M. Domski and M. Dickson, eds., *Discourse on a New Method*, Open Court Press: Chicago, 1-20.

“Aspects of Probability in Quantum Theory”, in C. Beisbert and S. Hartman, eds., *Probabilities in Physics*. Oxford University Press: Oxford.

“Significance Testing” (with Davis Baird), in P. Bandyopadhyay and M. Forster (eds.), *Handbook for the Philosophy of Statistics* (Kluwer Academic Press: Amsterdam).

2008

“Images of the Nanoscale”, in *Publications of the Korean Philosophy of Science Association 2008* (in Korean, apart from a few papers including mine), 5-30.

2007

“Intuition in Metaphysics: Seeming is Believing?”, *Philosophical Topics* 35:43-65.

“Is Measurement a Black Box? on the Importance of Understanding Measurement Even in Quantum Information and Computation”, *Proceedings of the 2006 Biennial Meeting of the Philosophy of Science Association. Part I: Contributed Papers. Philosophy of Science* 75: 1019-1032.

“Non-Relativistic Quantum Mechanics”, in J. Butterfield and J. Earman, eds., *Handbook for Philosophy of Physics*. Kluwer Academic Press: Amsterdam, 275-416.

2005

“Pluralities in Quantum Theory” (Minnesota Studies in Philosophy of Science, 19, S. Kellert, H.Longino, and K. Waters, eds.)

2004

“The View from Nowhere: Quantum Reference Frames and Quantum Uncertainty”, *Studies in History and Philosophy of Modern Physics* 35:195-220.

“Quantum Reference Frames and EPR”, *Proceedings of the 2002 Biennial Meeting of the Philosophy of Science Association. Part II: Symposia Papers. Philosophy of Science* 71: 655-668.

2002

“Bohr on Bell: A Proposed Reading of Bohr and Its Implications for Bell’s Theorem” (in *Modality, Probability, and Bell's Theorem*, T. Placek and J. Butterfield, eds.)

“The EPR Experiment: A Prelude to Bohr's Reply to EPR” (*Institute Vienna Circle Yearbook*, M. Heidelberger F. Stadler, eds.)

2001

"Are There Material Objects in Bohm's Theory?" (*Philosophy of Science*)

2000

"Quantum Logic is Alive and (Either it is True or Not)" (*Proceedings of PSA 2000*)

1999

"The Light at the End of the Tunneling: Observation and Underdetermination" (*Philosophy of Science* 66 (Supp):47-58)

"Dynamics for Modal Interpretations" (with Guido Bacciagaluppi; *Foundations of Physics* 29:1165-1201)

1998

"On the Plurality of Dynamics" (pp. 160-182 in *Minnesota Studies in Philosophy of Science*, vol. XVII, R. Healey and G. Hellman, eds.)

"Lorentz-Invariance in the Modal Interpretation" (with Rob Clifton; pp. 9-47 in *The Modal Interpretation of Quantum Mechanics*, D. Dieks and P. Vermaas, eds.)

1997

"The Quantum Classical Connection in the Bohm Theory: Aspects of the Classical Limit" (pp. 127-132 in *Quantum-Classical Correspondence*, D.H. Feng and B. L. Hu, eds.)

1996

"Determinism and Locality in Quantum Systems" (*Synthese* 107:52-82)

"Is The Bohm Theory Local?" (pp. 321-330 in *Bohmian Mechanics and Quantum Theory: An Appraisal*, J. Cushing, A. Fine, and S. Goldstein, eds.)

"Antidote or Theory? The Undivided Universe and The Quantum Theory of Motion " (Studies in History and Philosophy of Modern Physics 27:229 238)

"Logical Foundations for Modal Interpretations" (Philosophy of Science 63 (Supp):322 329)

1995

"An Empirical Reply to Empiricism" (Philosophy of Science 62:122-140)

"Decoherence in Unorthodox Formulations of Quantum Mechanics" (with Vassilios Karakostas; Synthese 102:61 97)

"Reply to H. Stapp's Comment" (Studies in History and Philosophy of Science 25:965 966)

"Is There Really No Projection Postulate in the Modal Interpretation?" (British Journal for the Philosophy of Science 46: 197 218)

"Faux-Boolean Algebras, Classical Probability, and Determinism" (Foundations of Physics Letters 8:231 242)

"Faux-Boolean Algebras and Classical Models" (Foundations of Physics Letters 8:401 415)

1994

"Stapp's Algebraic Argument for Nonlocality" (with Rob Clifton; Physical Review A 49:4251 4256)

"Wavefunction Tails in the Modal Interpretation" (PSA 1994, vol. 1: 366 376)

"What Is Preferred About the Preferred Basis?" (Foundations of Physics 25:423 441)

1993

"Stapp's Theorem Without Counterfactual Commitments: Why It Fails Nonetheless" (Studies in History and Philosophy of Science 24:791-814)

### **Book Reviews and Other Articles**

"From Vexing Uncertainty to Intellectual Humility", *Schizophrenia Bulletin* (forthcoming)

"Intellectual Humility Is a Key Ingredient for Scientific Progress" (*The Conversation*, 6 Dec 2023)

"A Tribute to James Cushing: 1937-2002" (with Antony Valentini) (*Foundations of Physics* 35:173-176).

"Jim Cushing – a Remembrance" (*Studies in History and Philosophy of Modern Physics*, June, 2002).

## Book reviews

Book Review: Guido Bacciagaluppi and Antony Valentini, *Quantum Theory at the Crossroads: Reconsidering the 1927 Solvay Conference*. Cambridge: Cambridge University Press (2009). In *Philosophy of Science*

Tomasz F. Bigaj, *Non-locality and Possible Worlds: A Counterfactual Perspective on Quantum Entanglement* (Notre Dame Philosophical Reviews)

Rédei, M. and Stözlner, M., eds., *John von Neumann and the Foundations of Quantum Physics* (*Philosophy of Science*)

Mara Beller, *Quantum Dialogue* (*Studies in History and Philosophy of Modern Physics*)

Jeremy Butterfield and Constantine Pagonis, eds. *From Physics to Philosophy* (*The British Journal for the Philosophy of Science*)

R. J. Hankinson, *Cause and Explanation in Ancient Greek Thought* (to appear in *Philosophy of Science*)

Partha Ghose, *Testing Quantum Mechanics on New Grounds* (*The British Journal for the Philosophy of Science*)

Jeffrey Bub, *Interpreting the Quantum World* (*Philosophy of Science* 66:495-496)

Michel Bitbol *Schrödinger's Philosophy of Quantum Mechanics* (*The British Journal for the Philosophy of Science* 49:329-331)

Tim Maudlin *Quantum Non-Locality and Relativity: Metaphysical Intimations of Modern Physics* (*Philosophy of Science* 64:516-517)

Storrs McCall, *A Model of the Universe* (*Philosophical Books* 37:134-136)

## Encyclopedia Articles

“Modal Interpretations of Quantum Theory” (10,000 words, refereed; *Stanford Encyclopedia of Philosophy*, second edition co-authored with Denis Dieks)

“The Many-Worlds Interpretation” (400 words, refereed; *Encyclopedia of Science and Religion*; MacMillan Press)

“Quantum Mechanics” (5000 words, refereed; *Encyclopedia of Science and Religion*; MacMillan Press)

“The Quantum Measurement Problem” (*Routledge Encyclopedia of Philosophy of Science*)

## Talks (\* indicates refereed; others are invited)

- 2023 \***“Intellectual Humility”** (Madpeople’s Coping Mechanisms, Oxford University)
- \***“Killing Cows: The ‘Moral Paradox’ of Video Games”** (Philosophy of Video Games, Florida International University)
- \***“Musical Notation and Musical Instructions”** (American Society for Aesthetics, Eastern Division Meeting, Philadelphia, PA)
- “Comments on ‘Formula and Constraint’ ”** (Southern Aesthetics Workshop, Charleston, SC)
- 2022 **“Comments on ‘Reactive Attitudes and Works of Art’ ”** (Southern Aesthetics Workshop, Charleston, SC)
- “Fine-Tuning”** (Department of Physics and Astronomy, University of South Carolina)
- 2021 **“The Great Theory of Beauty and Music”** (Thomistic Institute, online)
- 2018 **“What is a Musical Piece?”** (Queen Street Symposium)
- 2017 \* **Epistemic Optimism and Scientific Instrumentalism** (ACPA meeting, Dallas, TX)
- 2015
- \* **“The Imago Dei and the Imago Mundi”**, conference at Stamford Center for Science and Religion.
- 2014
- “Quantum Carpetbaggers? Reconstruction and Reinvention”**, Quantum Theory: from Problems to Advances, Linnaeus University, Växjö, Sweden (forthcoming June, 2014)
- 2013
- \* **“Theory from Chaos”**, Pittsburgh Center for Philosophy of Science Conference on the Science of Science (April 2013)
- \* **“Central Central Embedding Embedding”** (South Carolina Society for Philosophy, February 2013)
- “Risk and the Value(ing) of Life”** (TRiP 2013 – Death: The Reality of an Idea”, Columbia, SC, April 2013)
- 2012
- \* **“‘Information’ as an Interpretive Tool in Physical Theories”**, Philo-STEM 4 (Midwest Workshop in Science, Technology, Engineering and Medicine).
- 2011



“Prediction Games” (Department of Philosophy, University of Wisconsin)

“Commentary: Uncertainty, Risk, and Probability” (Center of Interdisciplinary Studies, University of Bielefeld, “Research in its Technological Setting”)

2010

“Seeming is Believing?” (Joint Meeting of the South Carolina Society for Philosophy and the North Carolina Philosophical Society, Keynote Address), 2010.

2009

“Kantianism at the Nanoscale” (Interdisciplinary Mathematics Institutes, USC)

“Time in Quantum Theory” (Dept. of Logic and Philosophy of Science, UC Irvine)

\* “Ambiguous Effects and the Problem of Aggregation” (Society for the Study of NanoScience and Emerging Technology, Seattle, Washington)

2008

“Theories of Risk for Emerging Technologies” (National Science Foundation PIs meeting)

“Dirac on Mathematical Beauty” (Seoul National University, Department of Philosophy)

“Images of the Nanoscale” (Korean Philosophy of Science Association, Jeju Island, Korea)

\* “Seeming is Believing? Intuition in Metaphysics”\* (Eidos Conference in Metaphysics, University of Geneva)

\* “Objectivity, Knowledge, and Traditional Epistemologies of Religious Experience”\* (with Dan Buxheveden), ESSSAT 2008, Sigtuna, Sweden)

“Fine-Tuning” (Naturalism Conference, Kansas State University)

2007

“Nano-Observables and Humane Quantum Theory” (Dept of Logic and Philosophy of Science, UC Irvine)

“The Notion of Reference in Evolutionary Game-Theoretic Models of Language” (Game Theory Research Group, College of Social Sciences), UC Irvine

“Can Anything Be Salvaged from Bohr? Quantum Theory from a Human Point of View” (Bar-Hilel Colloquium in History and Philosophy of Science, Mara Beller Memorial Lecture)

“Reference Frames in Quantum Theory” (Israel Philosophy of Physics Working Group)

“Measurement in Quantum Computation” (Hebrew University, Department of History and Philosophy of Science)

2006

\* “Is Measurement a Black Box?” (Philosophy of Science Association Biennial Meeting, Vancouver, BC)

“Images of Quantum Computation” (USC Nano-Center Retreat)

2005

“Subjective and Objective in Quantum Theory” (Conference, “Being Bayesian in a Quantum World”, University of Konstanz)

“The Role of Observers in Quantum Computation” (Centre for Time, University of Sydney)

“Quantum Relationalism” (Oxford University, Department of Philosophy)

“Beauty Doth of Itself Persuade: Mathematical Beauty and Theoretical Understanding”(California State University, Fresno; USC Science Studies)

2004

“Evidence in Metaphysics: A Puzzle and a Non-Solution” (USC Department of Philosophy)

“Dirac, Mathematical Beauty, and Scientific Understanding” (Workshop on Mathematics and Science, Department of Philosophy, Stanford University)

“Intuition in Metaphysics” (Workshop on the Epistemology of Intuition, Department of Philosophy, Indiana University)

“Reference Frames and Uncertainty” (Department of Physics, University of South Carolina)

“Non-Relativistic Quantum Mechanics” (Workshop on Philosophy of Physics, Department of History and Philosophy of Science, Pittsburgh University)

2003

‘Imprimitivity, Reference Frames, and the Uncertainty Relations’ Dutch Physical Society, January 2003

‘Quantum Reference Frames in a (Smallish) Discrete Universe’, Institute for the Foundations of Science, Utrecht University, January 2003.

'Dirac on Mathematical Beauty and Algebraic Quantization', Program in History and Philosophy of Science, Leeds University, February 2003.

'A View from Nowhere: Quantum Reference Frames and Uncertainty' Oxford Colloquium in Philosophy of Science, February 2003

'Mathematical Beauty and Mathematical Physics' (UK Conference in honor of Jim Cushing, June 2003)

'Quantum Reference Frames', University of Madrid Department of Philosophy, June 2003

'Metaphysics and Science', Purdue University Department of Philosophy, October 2003 (planned)

2002

'Plurality in Quantum Theory' (Notre Dame Conference in Honor of Jim Cushing)

\* 'Quantum Reference Frames and EPR' (PSA 2002 Symposium on Neils Bohr)

'Bohr's Attitude Towards Mathematics' (The Art of Mathematical Representation', a Conference at Indiana University)

'Sleeping with the Enemy: The Role of History in Philosophy and Vice Versa' (The Art of Mathematical Representation', a Conference at Indiana University)

\* 'Bohr's Reply to EPR Reconsidered' (Annual UK Conference in Philosophy of Physics)

'Plurality in Quantum Theory' (Minnesota Workshop on Plurality in Science)

Comments on Arthur Fine's paper (Minnesota Workshop on Plurality in Science)

'Dirac on Quantization and Beauty in Mathematics' (Dirac Centenary Conference, Baylor University)

2001

"Symmetry Considerations and the Quantum-Classical Correspondence" (Boston Colloquium in the Philosophy of Science, Fall 2001)

"Can there be a Lorentz-Invariant Interpretation of Quantum Theory?" (Conference on Bell's Theorem, Crakow, Poland)

"Metaphysics – Physics = Something I Know Not What" (joint Philosophy and Physics Colloquium, University of Connecticut)

2000

\* "Quantum Logic is Alive and (Either it is True or it is False)" (PSA 2000)

"What Was Bohr's Reply to EPR?" (History of Philosophy of Science Biennial Conference in Vienna, Austria; also delivered to the Indiana University HPS colloquium)\*

"The Role of Algebra in the Interpretation of Quantum Theory" (Conference on Quantum Theory, University of California at Irvine)

"The Role of Science in Metaphysics" (Departmental Colloquium, University of Minnesota)

"The Light at the End of the Tunneling: Observation and Underdetermination" (Departmental Colloquium, University of Montreal)

"Historical and Philosophical Foundations for the Canonical Commutation Relations" (Departmental Colloquium (Physics), University of Miami, Ohio)

1999

"Dirac's Last Theorem? Finding a Quantum Lie Bracket" (Conference on the Interpretation of Quantum Theory, University of Western Ontario; also delivered at Oxford University)

"Metaphysics – Physics = Something I Know Not What" (Department of Philosophy, University of Chicago; also Department of History and Philosophy of Science, Indiana University)

1998

"How Can Interpretations Be Compared?" (Workshop in the Interpretations of Quantum Theory, Indiana University)

"Relativistic Spooky Action? Nonlocality in Relativistic Quantum Theory" (Department of Physics, Indiana University/Purdue University at Indianapolis)

Comment on "Beables in Algebraic Quantum Theory" (Conference on the Metaphysics of Quantum Theory, Rutgers University)

\* "Epicurean Induction" (History of Philosophy of Science Biennial Conference in Notre Dame)

"Classical Negation in Quantum Logic" (Logic Program Colloquium, Indiana University)

"The Light at the End of the Tunneling: Observation and Underdetermination" (Philosophy of Science Association Biennial Meeting; also delivered to the Departmental Speakers' Series, History and Philosophy of Science, Indiana University)\*

1997

"Could the Problem of Induction Have Been Predicted on the Basis of Past Evidence?" (Mini-conference on the problem of induction, Departments of Philosophy and History and Philosophy of Science, Indiana University)

"Epicurean Induction" (Departmental Speakers' Series, History and Philosophy of Science, Indiana University)

"Why the Bohm Theory is Possible" (Conference, Foundational Problems in the History and Philosophy of Quantum Theory, University of Notre Dame)

"Logic and Physical Theory" (Program in History and Philosophy of Science, University of Notre Dame; also to the Departmental Speakers' Series, History and Philosophy of Science, Indiana University)

\* "Can God Be Found in Physics?" (Conference, Naturalism, Theism, and the Scientific Enterprise', University of Texas, Austin)

"Relativity and the Bohm Theory" (informal talk delivered to the Chicago Area Philosophy of Physics Group, University of Chicago)

1996

\* "Physical Necessity in Modal Interpretations" (Conference, Biennial Meeting of the International Quantum Structures Association, Berlin, Germany)

"Lorentz-Invariance in the Modal Interpretation" (Conference, The Modal Interpretation of Quantum Mechanics', University of Utrecht, The Netherlands)

\* "Logical Foundations of Modal Interpretations" (Conference, Biennial meeting of the Philosophy of Science Association)

1995

"Quantum Logic" (informal talk at the Applied Logic Seminar, Indiana University)

"On the Plurality of Dynamics" (Sigma Club Colloquium, University of Western Ontario)

"Dynamics in Modal Interpretations" (Department of Philosophy, University of Oxford)

"Epistemic Probabilities in the Modal Interpretation" (Sigma Club Conference, University of Cambridge)

"Comment on State Preparation in the Modal Interpretation" (Conference, Decoherence and the Measurement Problem, University of Minnesota)

"Faux-Boolean Algebras and Maximal Classicality" (Philosophy of Physics Group, University of Cambridge)

1994

"Contrastive Explanation of Stochastic Events" (Seminar paper at the APA Eastern Division; also given at the Department of Philosophy, University of South Carolina)

\* "The Quantum-Classical Connection in the Bohm Theory: Aspects of the Classical Limit" (Conference, Fourth Drexel International Workshop on the Quantum Classical Correspondence', Philadelphia, PA)

\* "Wavefunction Tails in the Modal Interpretation" (Biennial meeting of the Philosophy of Science Association)

1993

"Non-Being and Chaos in the Timaeus" (Ancient Philosophy Group, University of Cambridge)

"What is Preferred About the Preferred Basis?" (Sigma Club Conference, University of Cambridge)

"Continuous Spontaneous Localization and the Preferred Basis Problem. Part I: Foundations of CSL. Part II: The Preferred Basis Problem and a Partial Solution" (Two talks, Theoretical Physics Group, University of Notre Dame)

1992

"Book 1, Chapters 3 and 4 of De Generatione et Corruptione" (Ancient Philosophy Group, University of Cambridge)

"Henry Stapp's Literacy Campaign: Reading the Book on a" (Philosophy of Physics Group, University of Cambridge)

"No-Go Without Outcome Independence?" (Theoretical Physics Group, University of Notre Dame)

### **Conferences and Sessions Organized**

"Language, Communication, and Evolution" (with ChiaHua Lin, South Carolina Society for Philosophy, April 2013)

"TRiP 2013: Death – The Reality of an Idea" (with Ashley Graham Kennedy, April 2013)

BiCoDa Summer School on Measurement (with Alfred Nordman and Michael Stöeltzner, March 2012)

BiCoDa International Conference (co-organized with Alfred Nordman and Martin Carrier; 2011)

Inaugural Workshop for the Consortium for Science, Technology, Environment, and Medicine in

Society (co-organized with Dan Buxhoeveden, George Khushf, and Ann Johnson, 2010)

BiCoDa First Annual Meeting (co-organized with Ann Johnson and Alfred Nordmann, 2009)

Organizational meeting and workshop for the Society for New and Emerging Technologies in Society (co-organized with Davis Baird, 2008)

Workshop on Images of the Nanoscale: From Creation to Consumption (co-organized with Davis Baird, Simon Tarr, and Chris Robinson, 2007)

Workshop on Naturalism in the Modern Period (co-organized with Matt Kisner, 2007)

Workshop on the philosophy of Michael Friedman (co-organized with Mary Domski, 2004)

PSA 2002 symposium session on the philosophy of Niels Bohr

Conference on the role of mathematics in natural philosophy, (co-organized with Nico Bertoloni Meli, 2001)

Workshop on the interpretations of quantum theory (1999)

### **Other Professional Activities**

I have reviewed articles and book manuscripts for: American Philosophical Quarterly, Australasian Journal of Philosophy, British Journal for the Philosophy of Science, Cambridge University Press, Erkenntnis, European Journal for Philosophy of Science, Foundations of Physics, Indiana University Press, Journal of Philosophical Logic, Journal of Philosophy, Journal of Physics A, Kluwer Academic Publishers, Notre Dame Journal of Formal Logic, Philosophical Studies, Philosophy of Science, Philosophy Psychiatry and Psychology, Physical Review A, Physical Review Letters, Studies in History and Philosophy of Modern Physics, Studies in History and Philosophy of Science. I presently review approximately 4 items (articles or manuscripts) per year.

Review panelist for the National Science Foundation (2012-2015)

Editor in Chief, *Philosophy of Science* (2004-2009)

Associate Editor, *Philosophy of Science* (2000-2004)

James Cushing Memorial Prize Committee (2003-2023)

Editorial Board, *Studies in History and Philosophy of Modern Physics* (2001-present), *Philosophy of Science* 2009-present.

Graduate and Research Advisory Council, University of Notre Dame (1998-2001)

Panelist for the National Science Foundation Graduate Research Fellowship Program. (1999, 2001)