

JEFFREY A. BARRETT

LOGIC AND PHILOSOPHY OF SCIENCE
UNIVERSITY OF CALIFORNIA, IRVINE
IRVINE, CA 92697-5100
J.BARRETT@UCI.EDU

19 FEBRUARY 2018

EMPLOYMENT

2018–present	Chancellor’s Professor	UC Irvine
2004–2017	Professor	Logic and Philosophy of Science, UC Irvine
2014–2017	Professor	Philosophy, UC Irvine
1998–2004	Associate Professor	Logic and Philosophy of Science, UC Irvine
1998	Associate Professor	Philosophy, UC Irvine
1992–98	Assistant Professor	Philosophy, UC Irvine
1990–92	Lecturer	Columbia College, Columbia University

EDUCATION

1992 Ph.D. with Distinction	Philosophy	Columbia University
1991 M.Phil.	Philosophy	Columbia University
1991 M.A.	Philosophy	Columbia University
1986 B.A.	Physics	Brigham Young University

AREAS OF
SPECIALIZATION

Philosophy of Physics, Philosophy of Science, Epistemology, Decision Theory, Game Theory, and Logic.

AREAS OF
COMPETENCE

Philosophy of Mathematics, History of Empiricism, and American Pragmatism.

BOOKS AND
ANTHOLOGIES

B4. Barrett, J. A. and P. Byrne (2012) *The Everett Interpretation of Quantum Mechanics: Collected Works and Commentary 1955–1980*, Princeton University Press.

B3. Barrett, J. A. and J. Alexander, eds. (2002) *PSA 2000 Volume II*, Selected papers from symposium paper sessions of the Philosophy of Science Association meeting in Vancouver, Canada 2–4 November 2000. University of Chicago Press: Chicago.

B2. Barrett, J. A. and J. Alexander, eds. (2001) *PSA 2000 Volume I*, Selected papers from contributed paper sessions of the Philosophy of Science Association meeting in Vancouver, Canada 2–4 November 2000. University of Chicago Press: Chicago.

B1. Barrett, J. A. (1999) *The Quantum Mechanics of Minds and Worlds*, Oxford University Press: Oxford.

ARCHIVE

E1. Barrett, J. A., P. Byrne, J. Weatherall, eds. (2011) *Hugh Everett III Manuscripts*, UCISpace @ the Libraries.

Permanent url: <http://hdl.handle.net/10575/1060>.

This archive contains an edited collection of 230 scanned original documents and audio recordings related to Hugh Everett III (11 November 1930–19 July 1982), the American physicist who first proposed what has come to be known as the many-worlds interpretation (MWI) of quantum physics. These documents include draft and final versions of Everetts long and short Ph.D. theses and the earlier notes and draft papers that led to these published works, Everetts correspondence regarding his relative state formulation of pure wave mechanics, and miscellaneous biographical material. Most of these documents were discovered in the basement of Mark Everett, Hugh Everett III's son, in Los Feliz, California. They were scanned by the editors and are published here for the first time. This archive is a companion to the volume Barrett and Byrne (2012) *The Everett Interpretation of Quantum Mechanics: Collected Works and Commentary 1955–1980*, Princeton University Press.

JOURNAL ARTICLES

A44. Barrett, J. A. (2017) "Typical Worlds," *Studies in the History and Philosophy of Modern Physics* (58) 31–40.

A43. Barrett, J. A., A. Mohseni, B. Skyrms (2017) "Self-Assembling Networks," forthcoming in *The British Journal for the Philosophy of Science*.

A42. Barrett, J. A., C. T. Cochran, S. Huttegger, and N. Fujiwara (2017) "Hybrid Learning in Signaling Games," forthcoming in *Journal of Experimental & Theoretical Artificial Intelligence*.

A41. Barrett, J. A. (2016) "Typicality in Pure Wave Mechanics," *Fluctuation and Noise Letters* 15(3). <https://doi.org/10.1142/S0219477516400095>.

A40. Barrett, J. A. (2016) "Quantum Worlds," *Principia* 20(1): 45.

A39. Barrett, J. A. (2016) "Truth and Probability in Evolutionary Games," *Journal of Experimental & Theoretical Artificial Intelligence* 29(1): 219–225.

A38. Barrett, J. A. (2015) "On the Evolution of Truth," *Erkenntnis* 81(6): 1323–1332

A37. Barrett, J. A. (2015) "Pure Wave Mechanics and the Very Idea of Empirical Adequacy," *Synthese* 192(10): 3071–3104.

A36. Barrett, J. A. and B. Skyrms (2015) "Self-Assembling Games," *British Journal for the Philosophy of Science* 68(2): 329–353

- A35. Barrett, J. A. (2014) "Rule-Following and the Evolution of Basic Concepts," *Philosophy of Science* 81(5): 829–39.
- A34. Barrett, J. A. (2014) "Description and the Problem of Priors," *Erkenntnis* 79(6): 1343–53.
- A33. Barrett, J. A. (2014) "Entanglement and Disentanglement in Relativistic Quantum Mechanics," forthcoming in *Studies in History and Philosophy of Modern Physics* 48(B): 168–74.
- A32. Barrett, J. A. (2014) "The Evolution, Appropriation, and Composition of Rules," forthcoming in *Synthese*. <http://dx.doi.org/10.1007/s11229-014-0421-6>.
- A31. Barrett, J. A. (2014) "On the Coevolution of Theory and Language and the Nature of Successful Inquiry," *Erkenntnis* 79(4): 821–834.
- A30. Barrett, J. A. (2013) "On the Coevolution of Basic Arithmetic Language and Knowledge," *Erkenntnis* 78(5): 1025–1036.
- A29. Barrett, J. A. (2013). "The Evolution of Simple Rule-Following" *Biological Theory* 8(2): 142–150.
- A28. Barrett, J. A. (2011) "Everett's Pure Wave Mechanics and the Notion of Worlds," *European Journal for Philosophy of Science* 1(2): 277–302. doi: 10.1007/s13194-011-0023-9.
- A27. Barrett, J. A. (2011) "On the Faithful Interpretation of Pure Wave Mechanics," *British Journal for the Philosophy of Science* 62(4): 693–709. doi: 10.1093/bjps/axr004.
- A26. Barrett, J. A. (2010) "A Structural Interpretation of Pure Wave Mechanics," *Humana.Mente* 13: 225–236.
- A25. Barrett, J. A. and W. Aitken (2010) "A Note on the Physical Possibility of Ordinal Computation," *British Journal for the Philosophy of Science* 61(4): 867–874.
- A24. Barrett, J. A. and K. Zollman (2009) "The Role of Forgetting in the Evolution and Learning of Language," *Journal of Experimental and Theoretical Artificial Intelligence* 21(4): 293–309.
- A23. Barrett, J. A. (2010) "Faithful Description and the Incommensurability of Evolved Languages," *Philosophical Studies* 147: 123–137.
- A22. Barrett, J. A. (2008) "Approximate Truth and Descriptive Nesting," *Erkenntnis* 68: 213–24.
- A21. Barrett, J. A. (2007) "Dynamic Partitioning and the Conventionality of Kinds," *Philosophy of Science* 74: 527–46.
- A20. Aitken W. and J. A. Barrett (2007) Abstraction in Algorithmic Logic, *Journal of Philosophical Logic* 37: 23–43.
- A19. Barrett, J. A. (2007) "The Evolution of Coding in Signaling Games," *Theory and Decision* (2009) 67:223–237. doi 10.1007/s11238-007-9064-0.
- A18. Aitken W. and J. A. Barrett (2007) "Stability and Paradox in Algorithmic Logic," *Journal of Philosophical Logic* 36(1): 61–95.

- A17. Barrett, J. A. (2006) “A Quantum-Mechanical Argument for Mind-Body Dualism,” *Erkenntnis* 65(1): 97–115.
- A16. Barrett, J. A. (2005) “Relativistic Quantum Mechanics Through Frame-Dependent Constructions,” *Philosophy of Science* 72: 802–813.
- A15. Barrett, J. A. (2005) “The Preferred Basis Problem and the Quantum Mechanics of Everything,” *British Journal for the Philosophy of Science* 56(2): 199–220.
- A14. Aitken W. and J. A. Barrett (2004) “Computer Implication and the Curry Paradox,” *Journal of Philosophical Logic* 33(6): 631–637.
- A13. Barrett, J. A. (2003) “Are Our Best Physical Theories Probably and/or Approximately True?” *Philosophy of Science* 70(5): 1206–1218.
- A12. Barrett, J. A. and F. Arntzenius (2002) “Why the Infinite Decision Puzzle is Puzzling,” *Theory and Decision* 52(2): 139–147.
- A11. Barrett, J. A. (2000) “The Persistence of Memory: Surreal Trajectories in Bohm’s Theory,” *Philosophy of Science* 67(4): 680–703.
- A10. Barrett, J. A. and F. Arntzenius (1998) “An Infinite Decision Puzzle,” *Theory and Decision* 46(1): 101–103.
- A9. Barrett, J. A. (1998) “On the Nature of Experience in the Bare Theory,” *Synthese* 113(3): 347–55.
- A8. Barrett, J. A. (1997) “On Everett’s Formulation of Quantum Mechanics,” *The Monist* 80(1): 70–96.
- A7. Barrett, J. A. (1996) “Oracles, Aesthetics, and Bayesian Consensus,” *Philosophy of Science*, 63(3): 273–280.
- A6. Barrett, J. A. (1996) “Empirical Adequacy and the Availability of Reliable Records in Quantum Mechanics,” *Philosophy of Science* 63(1): 49–64.
- A5. Barrett, J. A. (1995) “The Single-Mind and Many-Minds Versions of Quantum Mechanics,” *Erkenntnis* 42: 89–105.
- A4. Barrett, J. A. (1995) “The Distribution Postulate in Bohm’s Theory,” *Topoi* 14(1): 45–54.
- A3. Barrett, J. A. and D. Z. Albert (1995) “On What It Takes to Be a World,” *Topoi* 14(1): 35–37.
- A2. Barrett, J. A. (1995) “Quantum Mechanics and the Measurement Problem,” *Topoi* 14(1): 1–6.
- A1. Barrett, J. A. (1994) “The Suggestive Properties of the Bare Theory of Quantum Mechanics,” *Erkenntnis* 41: 233–252.

OTHER
 REFEREED
 ARTICLES AND
 CHAPTERS

- BC14. Barrett, J. A. (2014) “Everett’s Relative-State Formulation of Quantum Mechanics,” *The Stanford Encyclopedia of Philosophy*.
<http://plato.stanford.edu/entries/qm-everett/> accessed 17 August 2014. New peer-reviewed article. Older articles are archived at <http://plato.stanford.edu>.

- BC13. Barrett, J. A. (2014) “The Prisoners Dilemma and the Coevolution of Descriptive and Predictive Dispositions,” forthcoming in *The Prisoners Dilemma*, Martin Peterson (ed), Cambridge University Press.
- BC12. Barrett, J. A. (2014) “Quantum Mechanics and Dualism,” in *Quantum Physics Meets the Philosophy of Mind*. A. Corradini and U. Meixner (eds.), de Gruyter, Berlin/New York, pp. 65–82.
- BC11. Barrett, J. A. (2009) “The Ithaca Interpretation of Quantum Mechanics,” in *Compendium of Quantum Physics*. D. Greenberger, K. Hentschel, F. Weinert (eds.), Springer, Berlin, pp. 325–6.
- BC10. Barrett, J. A. (2009) “Many Worlds Interpretation of Quantum Mechanics,” in *Compendium of Quantum Physics*. D. Greenberger, K. Hentschel, F. Weinert (eds.), Springer, Berlin, pp. 363–8.
- BC9. Barrett, J. A. (2008) “Everett’s Relative-State Formulation of Quantum Mechanics,” *The Stanford Encyclopedia of Philosophy*.
<http://plato.stanford.edu/entries/qm-everett/>. Revised and expanded.
- BC8. Barrett, J. A. (2006) “Numerical Simulations of the Lewis Signaling Game: Learning Strategies, Pooling Equilibria, and the Evolution of Grammar,” *Institute for Mathematical Behavioral Sciences Paper 54*.
<http://repositories.cdlib.org/imbs/54>.
- BC7. Barrett, J. A. and P. K. Stanford (2006) “Prediction,” *The Philosophy of Science: An Encyclopedia*, Routledge.
- BC6. Barrett, J. A. (2005) “Bohm, David Joseph,” *Dictionary of American Philosophers*, Thoemmes Continuum Press.
- BC5. Barrett, J. A. (2004) “Many-Worlds and Many-Minds Formulations of Quantum Mechanics,” *Encyclopedia of Philosophy*, Macmillan Reference USA.
- BC4. Barrett, J. A. (2004) “Everett’s Relative-State Formulation of Quantum Mechanics,” *The Stanford Encyclopedia of Philosophy*. First revised version.
- BC3. Barrett, J. A. (2002) “The Nature of Measurement Records in Relativistic Quantum Field Theory,” in M. Kuhlman, H. Lyre, and A. Wayne (eds.), *Ontological Aspects of Quantum Field Theory*, World Scientific, Singapore (2002).
- BC2. Barrett, J. A. (1999) “Everett’s Relative-State Formulation of Quantum Mechanics,” *The Stanford Encyclopedia of Philosophy* First version.
- BC1. Barrett, J. A. (1998) “The Bare Theory and How to Fix It,” in *The Modal Interpretation of Quantum Mechanics*, D. G. B. J. Dieks and P. E. Vermaas (eds), Kluwer Academic Press (1998).

BOOK REVIEWS

- R10. Review of *The Wave Function: Essays on the Metaphysics of Quantum Mechanics* by Alyssa Ney and David Z Albert (eds.), Oxford University Press (2013). In *Notre Dame Philosophical Reviews* 2013.08.03.
- R9. Review of *Scientific Representation: Paradoxes of Perspective* by Bas C. van Fraassen, Oxford University Press (2009). In *The Journal of Philosophy* 106(11): 634–639.

- R8. Review of *Beyond Measure: Modern Physics, Philosophy and the Meaning of Quantum Theory* by Jim Baggott, Oxford University Press (2004) in *Metascience* 15: 279–282 (2006).
- R7. Review of *The Strange World of Quantum Mechanics* by Daniel F. Styer, Cambridge University Press (2000). In *British Journal for the Philosophy of Science* 52(2): 393–396.
- R6. Review of *Philosophical Concepts in Physics* by James T. Cushing, Cambridge University Press (1998). In *Isis: Official Journal of the History of Science Society* 91(4): 839–840.
- R5. Review of *Quantum Chance and Nonlocality* by Michael Dickson, Cambridge University Press (1998). In *Foundations of Physics* 29(6): 1011–18.
- R4. Review of *Interpreting the Quantum World* by Jeffrey Bub, Cambridge University Press (1997). In *Isis: Official Journal of the History of Science Society* 91(1): 188.
- R3. Review of *How to Prove It: A Structured Approach* by Daniel J. Velleman, Cambridge University Press (1994). In *Journal of Symbolic Logic* 60: 1329–30.
- R2. Review of *The Broken Dice* by Ivar Ekeland, University of Chicago Press (1993). In *Philosophia Mathematica* 3(3): 310–13.
- R1. Review of *The Mind Matters: Consciousness and Choice in a Quantum World* by David Hodgson, Oxford University Press (1991). In *Philosophical Review* 103(2): 350–53.

OTHER
PUBLICATIONS

- OA13. Barrett, J. A. (2016) "Typical Worlds," University of Pittsburgh Center for Philosophy of Science Annual Lecture Series, 28 September 2016 (video).
- OA12. Barrett, J. A. (2014) "Editors Pick," *The Philosophers' Magazine*, Issue 66, 3rd Quarter 2014, 112–114.
- OA11. Barrett, J. A. (2014) "Modeling the Coevolution of Theory and Language," 17 September 2013 (video 122) *iTunes U: Munich Center for Mathematical Philosophy (MCMP)*.
- OA10. Barrett, J. A. (2013) "Quantum Mechanics and Wigners Mind-Body-Dualism," Zukunftskolleg Lecture Series 10 June 2013. Forthcoming on *iTunes U: University of Konstanz*.
Copy at <https://www.zukunftskolleg.uni-konstanz.de/news-events/videos/>.
- OA9. Barrett, J. A. (2013) "Description and the Problem of Priors," in *PhilSci Archive* [2013] *6th Munich-Sydney-Tilburg Conference on Models and Decisions* (Munich; 10–12 April 2013):
<http://philsci-archive.pitt.edu/9835/> (accessed 25 Feb 2015).
- OA8. Barrett, J. A. and Dickson, M. and Purves, G. (2013) "Prediction Games" *PhilSci Archive*
<http://philsci-archive.pitt.edu/10042/> (accessed 25 Feb 2015).

- OA7. Barrett, J. A. (2012) “The Quantum Measurement Problem and the Everett Interpretation,” *Berfrois*, 21 June 2012.
<http://www.berfrois.com/2012/06/hugh-everett-iii-many-worlds-man/> (accessed 17 August 2014).
- OA6. Barrett, J. A. (2011) “Quantum 101: Or Why Quantum Mechanics is Revolutionary” *Aviation Week & Space Technology* 173(38) 64.
- OA5. Barrett, J. A. (2011) “Hyperspeed Computing” *Aviation Week & Space Technology*. 173(38) 64.
- OA4. Barrett, J. A. (2008) “Wigners Friend and Bells Field Beables,” *PhilSci Archive*.
<http://philsci-archive.pitt.edu/id/eprint/8969> (accessed 17 August 2014).
- OA3. Barrett, J. (2004) “Relativistic Quantum Mechanics through Frame-Dependent Constructions,” in *PhilSci Archive* [2004] *Philosophy of Science Assoc. 19th Biennial Meeting - PSA2004: Contributed Papers* (Austin, TX; 2004).
<http://philsci-archive.pitt.edu/view/confandvol/91.html> (accessed 25 Feb 2015).
- OA2. Livingston, P. and J. A. Barrett (2003) “Pure Pragmatics and the Transcendence of Belief,” <http://philpapers.org/rec/BARPPA-5> accessed 17 August 2014.
- OA1. Barrett, J. A. (2001) “Toward a Pragmatic Account of Scientific Knowledge,” *PhilSci Archive*. uri: <http://philsci-archive.pitt.edu/498/> accessed 20 August 2014.

RECENT

PRESENTATIONS

- 22 July 2017 “Quantum Records and Explanation” *Black Forest Summer School in Philosophy of Physics*; Saig (Black Forest), Germany.
- 21 July 2017 “Typical Worlds” *Black Forest Summer School in Philosophy of Physics*; Saig (Black Forest), Germany.
- 27 June 2017 “Probable Quantum Worlds” University of Salzburg, Philosophy Department Colloquium.
- 10 March 2017 “Description and the Evolution of Truth” (keynote lecture) *Lenguaje e investigación científica: Papel del lenguaje en la Ciencia Básica y la Ciencia Aplicada*, Ferrol (A Corua), Spain.
- 9 March 2017 “Scientific Inquiry and the Evolution of Language” (keynote lecture) *Lenguaje e investigación científica: Papel del lenguaje en la Ciencia Básica y la Ciencia Aplicada*, Ferrol (A Corua), Spain.
- 3 March 2017 “Coevolution of Language and Knowledge” Salzburg, Irvine, Munich (SIM) Workshop, UC Irvine.
- 18 November 2016 “Quantum Field Theory and the Problem of Determinate Records” *Metaphysics and Physics: Methodological Links*, University of Lausanne.
- 28 October 2016 “Typical Worlds” *Pittsburgh Center for Philosophy of Science Annual Lecture Series*.

18 July 2016 “Typicality and Pure Wave Mechanics” Foundations 2016: The 18th UK and European Conference on Foundations of Physics; LSE, London, England.

3 April 2016 “Typicality in Pure Wave Mechanics” University of Michigan Foundations of Modern Physics Workshop.

7 October 2015 “Self Assembling Games” Social Dynamics Seminar, UC Irvine.

20 August 2015 “Probability in Pure Wave Mechanics” Ninth *Principia* International Symposium: Possible worlds and their applications in philosophy and the sciences, Federal University of Santa Catarina.

19 August 2015 “Quantum Worlds” Ninth *Principia* International Symposium: Possible worlds and their applications in philosophy and the sciences, Federal University of Santa Catarina.

24 July 2015 “How Everett Understood Pure Wave Mechanics” 3rd International Summer School in Philosophy of Physics: The Ontology of Physics, Saig (Black Forest), Germany, 20-25 July 2015.

22 July 2015 “Entanglement and Disentanglement in Relativistic Quantum Mechanics” 3rd International Summer School in Philosophy of Physics: The Ontology of Physics, Saig (Black Forest), Germany, 20-25 July 2015.

23 April 2015 “On the Evolution of the Notion of Probability” SIM Workshop, Salzburg, Austria.

7 October 2014 “Birds, Games, and Logic” Social Dynamics Seminar, UC Irvine.

25 April 2014 “The Quantum Measurement Problem and Wigners Solution” Philosophy Department Colloquium, CSUSB.

25 January 2014 “A Logic of Intensional Functions” (with Wayne Aitken) SoCal PhilMath + PhilLogic + FoM Workshop, USC.

30 July 2013 “Pure Wave Mechanics and the Very Idea of Empirical Adequacy” Foundations of Physics Conference, LMU, Munich, Germany.

5 June 2013 “Why Wigner Thought That Quantum Mechanics Required Mind-Body Dualism” Quantum Physics Meets Philosophy of Mind, Catholic University of Milan, Italy.

26 April 2013 “On the Evolution of Simple Ordinal Concepts and Transitive Inference” GIRL’13@LUND, Lund, Sweden.

20 April 2013 “Pure Wave Mechanics and the Very Idea of Empirical Adequacy” PERSP Workshop on Spacetime and the Wave Function, Barcelona, Spain.

11 April 2013 “Description and the Problem of Priors” Models and Decisions Conference, LMU (MCMP), Munich, Germany.

1 April 2013 “Everett’s Relative State Formulation of Quantum Mechanics and the very Idea of Empirical Adequacy” Philosophy Department, Princeton University .

10 June 2013 “Quantum Mechanics and Wigner’s Mind-Body Dualism” Zukunftskolleg Lecture, University of Konstanz.

16 November 2012 “The Evolution of Rule Following in Nature” 2012 Biennial Philosophy of Science Association Meeting, San Diego, California.

23 October 2012 “The Evolution of Rule Following Behavior and Inductive Inference” LPS Game Theory Seminar, UC Irvine.

8 October 2012 “Quantum Mechanics and the Measurement Problem” Freshman Seminar, Physics Department UC Irvine.

3 July 2012 “Empirical Adequacy and Pure Wave Mechanics” Colloquium, Department of Physics, University of Konstanz.

28 June 2012 “On the Physical Possibility of Ordinal Computation” Physics and Computation Workshop, Institut Henri Poincarè, Paris.

6 June 2012 “Coevolution of Numbers and Basic Arithmetic Knowledge” Formal Epistemology Festival, University of Konstanz.

24 May 2012 “On the Empirical Adequacy of Pure Wave Mechanics” Philosophy of Physics Research Seminar, Oxford University.

16 May 2012 “Reality and Quantum Information: A Conversation between a Theoretical Physicist and a Philosopher” with Guido Burkard Philosophy Beyond Borders, Zukunftskolleg, University of Konstanz.

10 May 2012 “On the Coevolution of Theory and Language” Colloquium, Center for Mathematical Philosophy, Ludwig-Maximilians-Universität München (LMU).

30 April 2012 “Modeling the Coevolution of Theory and Language” Logic Workshop, University of Konstanz.

16 April 2012 “On the Empirical Adequacy of Pure Wave Mechanics” Philosophy of Science Colloquium, Institute Vienna Circle, University of Vienna.

11 April 2012 “Quantum Entanglement and Relativity” Foundations of Physics Colloquium, Universitat Autònoma de Barcelona/ Universitat de Barcelona.

19 March 2012 “Entanglement and Disentanglement in Relativistic Quantum Mechanics” Philosophy of Science Workshop, University of Konstanz.

8 March 2012 “The Coevolution of Theory and Language” Colloquium, Department of Philosophy, University of Salzburg.

13 February 2012 “How to Understand Everett’s Pure Wave Mechanics as Empirically Adequate” Sigma Club Lecture, London School of Economics.

26 January 2012 “The Coevolution of Arithmetic Language and Knowledge” Colloquium, Zukunftskolleg, University of Konstanz

12 January 2012 “On the Coevolution of Theory and Language” Colloquium, Department of Philosophy, University of Konstanz

12 December 2011 “Pure Wave Mechanics and the Very Idea of Empirical Adequacy” Foundations of Physics Workshop, University of Konstanz.

PROFESSIONAL
SERVICE

- 2009–2017 Editor-in-Chief, *Philosophy of Science*
- 2007-present Editorial Board, Blackwell *Philosophy Compass*
- 2011-2017 Advisory Board, *PhilSci Archive*
- 2014–2016 Program Committee, IPP Phil Physics Workshops
- 2013-4 Program Committee, 2014 Lund G.I.R.L. Conference
- 2008-9 Program Committee, 2009 EPSA, Amsterdam
- 2004-5 Nominating Committee Chair, Philosophy of Science Association
- 2003-4 Program Committee, APA Western Division Meeting
- 1998-2000 Program Committee Chair, PSA 2000

Reviewed journal articles for: *Philosophy of Science**, *British Journal for the Philosophy of Science*, *Erkenntnis*, *Physical Review*, *Foundations of Physics*, *Journal of Symbolic Logic*, *Topoi*, *Synthese**, *Notre Dame Journal of Formal Logic*, *Journal of Philosophical Logic*, *Studies in the History and Philosophy of Science*, *Journal of Biomedical Optics*, *International Studies in the Philosophy of Science*, *Consciousness and Cognition*, *Theory and Decision*, *American Journal of Physics*, *Philosophers' Imprint*, *European Journal for the Philosophy of Science**, *Philosophy Compass*, and *Studies in the History and Philosophy of Modern Physics*.

Reviewed book manuscripts for Oxford University Press, Cambridge University Press, Broadview Press, SUNY Press, and Princeton University Press.

Served as an ad hoc proposal reviewer for the National Science Foundation (2017, 2014), Swiss National Science Foundation (2017), the Israel Science Foundation (2015), and the Netherlands Organization for Scientific Research (2015).

FELLOWSHIPS
AND AWARDS

- 2016–17 FQXi small research grant for Salzburg book project
- 2009–7 PSA graduate student PhilSci Managing Editor grants
- 2015–6 Daniel G. Aldrich, Jr. Distinguished University Service Award
- 2013 Zukunftskolleg Lecture, University of Konstanz
- 2013 FQXi small research grant for IPP conference
- 2011–12 Senior Fellow, University of Konstanz
- 2010–13 Chancellors Fellow, UC Irvine
- 2009–10 NSF Grant “Everett Papers Archive and Commentary” \$160k
- 1996–7 University of California President’s Faculty Research Fellowship
- 1996–7 University of Pittsburgh Center for Philosophy of Science Fellow

UNIVERSITY
SERVICE

- 2003-present Social Science CHP Course Lecturer
- 2016-present Council on Research Computing and Libraries (CORCL)
- 2015-present LPS Personnel Committee

2014-5	Chair, Political Science Chair Search Committee
2014-5	Social Sciences Semicentennial Committee
2014	Acting Chair, Logic and Philosophy of Science
2014	Chair, Ad Hoc Personnel Review Committee
2014	Member Campuswide Honors Program External Review Committee
2013-4	Co-Proposer, M.A. Degree in Philosophy, Political Science, & Economics
2009-13	Department Chair, Logic and Philosophy of Science
2008-9	Member of the Council on Academic Personnel (CAP)
2008-9	Acting LPS Graduate Recruitment Officer
2007-9	Director of Undergraduate Studies, LPS
2001-7	Chair, Logic and Philosophy of Science
1999-02	Member of Council on Educational Policy (CEP)
1999-01	UCI Director for the UCI/UCSD PhilSci Joint Research Program
1999-01	Director of Undergraduate Studies, LPS
2000	Acting Chair, Logic and Philosophy of Sciences
1999-00	Director of Undergraduate and Graduate Studies, LPS
1998	Member of UC Irvine Humanities Executive Committee
1997-98	Acting Director for UC Irvine Program in HPS
1994-96	Director of Graduate Studies, Department of Philosophy
1994-96	Member and Chair, Humanities Computer Policy Committee
1994-95	Member of the UC Irvine Committee for Teaching Quality
1993-95	Humanities Core Course Lecturer

MENTORING

Served on UC Irvine Ph.D. dissertation and/or advancement committees in Logic and Philosophy of Science, Philosophy, Economics, Physics, Chemistry, Biological Sciences, Computer and Information Science, English and Comparative Literature, Comparative Literature, East Asian, and Anthropology. Served on a University of Illinois, Chicago Circle Philosophy Ph.D. dissertation committee, a UCSD Philosophy advancement committee, a Paris-Sorbonne/Paris-1 Philosophy committee as Rapporteur (2014), and a University of Lausanne Ph.D. committee as external examiner (2016).

Recent Advancement Committees: Marian Gilton (2017, LPS), Sarita Rosentock (2016, LPS), K. Violet McKeon (2013, Philosophy), Mark Bloxsom (2013, Economics), Ian Finn (2013, Economics), Matthew Kidder (2013, Economics), Paul Lombardi (2013, Economics), Bryan Reeves (2013, Economics), Jiayi Wang (2013, Economics), Katherine Williams (2013, Economics), Alexander Wijangco (Physics, 2013), Benjamin Rin (LPS, 2012; Advisor), Gregory McWhirter (LPS, 2012).

Recent Ph.D. Committees: Benjamin Feintzeig (2016, LPS), K. Violet McKeon (2016, Philosophy), Benjamin Rin (2014, LPS; Co-Chair), Gregory McWhirter (2014, LPS), Samuel Fletcher (2014, LPS), Forrest Flemming (2014, Philosophy), Maël Pégny (Paris-Sorbonne/Paris-1, Philosophy; Rapporteur), Cailin O'Connor (2013, LPS), James Owen Weatherall (2012, LPS), Elliott Wagner (2012, LPS).

Currently advising graduate students: Tim Schmitz (LPS), Travis Lacroix (LPS), Calvin Cochran (IMBS). Served as undergraduate CHP honors thesis advisor, UROP faculty sponsor, SURF faculty sponsor.

Served on two UTeach projects including one with Ema Bidiwala for 2014-5.

Community presentations: Presented “How Quantum Mechanics Works” at the Irvine Unified School District STEM Career Conference 15 December 2015. Presented “Quantum Mechanics” three times at IUSD 21st Century Career Conference UCI 14 December 2017. Participated in IUSD “Ask and Scientist” at Rancho Middle School 13 October 2016.

Campuswide Honors Program Experience Day Speaker (2011,13,14), CHP Quiz Bowl (2011,13,14,15,16), CHP Fireside Chat Speaker (20 May 2014).

AFFILIATIONS

2014–present	American Association for the Advancement of Science
1997–present	Member of UC Irvine Institute for Mathematical Behavioral Sciences
1992–present	Member of American Philosophical Association
1992–present	Member of the Philosophy of Science Association