

BRADLEY MONTON
Curriculum Vitae

Department of Philosophy
University of Colorado at Boulder
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EDUCATION

Princeton University, Ph.D. in Philosophy received November 1999.

Dissertation: *Quantum Ontology and Quantum Observers*. Advisor: Bas van Fraassen.

Rice University, B.A. in Physics and Philosophy received June 1994.

EMPLOYMENT

University of Colorado at Boulder, Associate Professor, starting Fall 2006.

University of Kentucky, Associate Professor, Fall 2005 to Spring 2006.

University of Kentucky, Assistant Professor, Fall 2000 to Spring 2005.

American University of Beirut, Assistant Professor, Fall 1999 to Spring 2000.

Princeton University, Teaching Assistant, Fall and Spring 1996, Fall 1997, and Spring 1998.

AREAS OF INTEREST

Areas of Specialization:

Philosophy of Science (especially Philosophy of Physics), Probabilistic Epistemology, Philosophy of Religion.

Areas of Competence:

Metaphysics, Epistemology, Logic.

COURSES TAUGHT

Graduate level:

Philosophy of Time seminar, Metalogic, Deviant Logic seminar.

Undergraduate level:

Philosophy and Classical Physics, Introduction to Philosophy of Science, Introductory Logic, Intermediate Logic, Metaphysics and Physics of Time Travel, Critical Thinking and Writing for Philosophers, Theology Forum, Physics and God, Honors seminars (intellectual history from 1600 to 1850; intellectual history from 1850 to the present).

ARTICLES

“Prolegomena to Any Future Physics-Based Metaphysics,” *Oxford Studies in Philosophy of Religion Volume IV*, forthcoming.

“Design Inferences in an Infinite Universe,” *Oxford Studies in Philosophy of Religion Volume II*, forthcoming.

“Time Travel Without Causal Loops,” *Philosophical Quarterly*, forthcoming.

“Common-Sense Realism and the Unimaginable Otherness of Science,” *Principia* 11(2): 117-126, December 2007 issue (but appeared in print in mid-2008).

“Avoiding Certain Frustration, Reflection, and the Cable Guy Paradox” (with Brian Kierland and Sam Ruhmkorff), *Philosophical Studies* 138: 317-333, April 2008.

“Presentism and the Objection from Being-Supervenience” (with Brian Kierland), *Australasian Journal of Philosophy* 85: 485-497, December 2007.

“Quantum Mechanics and 3N-Dimensional Space,” *Philosophy of Science* 73: 778-789, December 2006 issue (but appeared in print in mid-2007).

“The Problem of the Many Minds” (with Sandy Goldberg), *Minds and Machines* 16: 463-470, December 2006 issue (but appeared in print in March 2007).

“Presentism and Quantum Gravity,” in Dennis Dieks (ed.), *The Ontology of Spacetime*, Kluwer, 2006, pp. 263-280.

“God, Fine-Tuning, and the Problem of Old Evidence,” *British Journal for the Philosophy of Science*, 57: 405-424, June 2006.

“How to Predict Future Duration from Present Age” (with Brian Kierland), *Philosophical Quarterly* 56: 16-38, January 2006.

“Minimizing Inaccuracy for Self-Locating Beliefs” (with Brian Kierland), *Philosophy and Phenomenological Research* 70: 384-395, March 2005.

“Anthropic Reasoning Does Not Conflict with Observation” (with Dien Ho), *Analysis* 65: 42-45, January 2005.

“The Problem of Ontology for Spontaneous Collapse Theories,” *Studies in History and Philosophy of Modern Physics* 35: 407-421, September 2004.

“Constructive Empiricism and Modal Nominalism” (with Bas van Fraassen), *British Journal for the Philosophy of Science* 54: 405-422, September 2003.

“Presentists Can Believe in Closed Timelike Curves,” *Analysis* 63: 199-202, July 2003.

“The Doomsday Argument Without Knowledge of Birth Rank,” *Philosophical Quarterly* 53: 79-82, January 2003.

"Wave Function Ontology," Synthese 130: 265-277, February 2002.

"Sleeping Beauty and the Forgetful Bayesian," Analysis 62: 47-53, January 2002.

"Supererogatory Superluminality" (with Brian Kierland), *Synthese* 127: 347-357, June 2001.

"Counting Marbles whose Mass Density is 'Accessible': A Reply to Bassi and Ghirardi" (with Rob Clifton), *British Journal for the Philosophy of Science* 51: 155-164, March 2000.

"Losing Your Marbles in Wavefunction Collapse Theories" (with Rob Clifton), *British Journal for the Philosophy of Science* 50: 697-717, December 1999.

"Van Fraassen and Ruetsche on Preparation and Measurement," Philosophy of Science (Proceedings) 66: S82-S91, 1999.

"Bayesian Agnosticism and Constructive Empiricism," Analysis 58: 207-212, July 1998.

"The Bare Theory Has No Clothes" (with Jeff Bub and Rob Clifton), in *Quantum Measurement: Beyond Paradox*, Minnesota Studies in the Philosophy of Science 17: 32-51, 1998.

"Quantum-Mechanical Self-Measurement," in *The Modal Interpretations of Quantum Mechanics*, Western Ontario Series in the Philosophy of Science 60: 307-318, 1998.

BOOK

Images of Empiricism: Essays on Science and Stances, with a Reply from Bas van Fraassen (edited collection), Oxford University Press, November 2007.

REVIEWS

Constructive Empiricism entry for *Stanford Encyclopedia of Philosophy*, mid-2008.

Bas van Fraassen entry for *Dictionary of Modern American Philosophers*, Thoemmes Continuum, 2005.

"Understanding Modal Interpretations," Metascience 10: 309-314, July 2001.

WORKS IN PROGRESS

"McTaggart and Contemporary Physics," in progress.

"Defending God-of-the-Gaps Arguments," in progress.

"Probabilistic Inferences in an Infinite Universe," in progress.

"Minimizing Inaccuracy as a Foundation for all Probabilistic Reasoning," in progress.

Monograph project: *Godless Physics: A Defense*, in progress.

AWARDS

Dean's Senior Honors Fellowship, University of Colorado at Boulder, 2008-09 academic year.

Center for Humanities and the Arts Fellowship, University of Colorado at Boulder, offering a two-course teaching reduction for academic year 2007-08.

National Science Foundation Science and Technology Studies Scholars Award recipient, providing support for my research on the fine-tuning argument for the academic year 2004-05 and summer 2005.

Special Summer Faculty Research Fellowship from the University of Kentucky Executive Vice President for Research, summer 2004.

Princeton University Fellowship recipient, 1997-98 and 1998-99.

National Science Foundation Graduate Research Fellowship recipient, 1994-95, 1995-96, and 1996-97.

Atlas Prize co-winner, for the best moral philosophy paper at Rice University, 1993-94.

PRESENTATIONS/CONFERENCES

The Great Debate: Intelligent Design and the Existence of God participant (along with Denis Alexander, David Berlinski, and Lawrence Krauss), Fort Worth, Texas, November 2008.

"An Atheist Defends Intelligent Design," University of Colorado at Boulder Think! public lecture series, October 2008.

"Prolegomena to Any Future Physics-Based Metaphysics," presented at the Princeton University conference in honor of Bas van Fraassen, May 2008.

"McTaggart and Modern Physics," presented at the West Virginia University philosophy of time conference, April 2008.

"Physics-Based Design Arguments are Based on False Physics," presented at Baylor University Philosophy of Religion conference in San Antonio, February 2008.

"Design Inferences in an Infinite Universe," presented at University of Notre Dame, October 2007.

"Common-Sense Realism and the Unimaginable Otherness of Science," presented at the Fifth Principia Symposium in Florianopolis, Brazil, August 2007.

"Is Intelligent Design Science? Dissecting the Dover Decision," presented at the University of Toledo Science and Religion conference, April 2006.

"The Origin of Life, Intelligent Design, and the Spatially Infinite Universe," presented at University

of Colorado at Boulder, March 2006.

"The Cable Guy Paradox," presented at University of Nevada, Las Vegas, December 2005.

"The Fine-Tuning Argument," presented at University of Maryland, College Park, December 2004, and to the physics department at Florida Institute of Technology, January 2005.

Guest Lecturer for Hans Halvorson's and Jeremy Butterfield's graduate seminar on ontology in physics at Princeton University, December 2004.

"The Infinite Universe and Dembski's Design Inference," presented at the Eastern Regional meeting of the Society for Christian Philosophers, Cumberland College, December 2004.

"Quantum Mechanics and 3N-Dimensional Space," presented at the Philosophy of Science Association biennial meeting in Austin, Texas, November 2004.

Guest Lecturer for Bas van Fraassen's Princeton University graduate seminar on structural realism, September 2004.

"God, Fine-Tuning, and the Problem of Old Evidence," presented at University of Missouri at Columbia, February 2004.

"God, Fine-Tuning, and the Problem of Old Evidence," presented at the Eastern Regional meeting of the Society for Christian Philosophers, Asbury College, December 2003. (Despite the same title, this talk was significantly different than the one given at Missouri.)

"Life Without Abstract Objects, the Easy Way," presented at the University of Kentucky Abstracta Symposium, October 2003.

"How to Defend Constructive Empiricism: A Reply to Hanna," presented at the Central Division meeting of the American Philosophical Association in Cleveland, Ohio, April 2003.

"Comments on Perloff's 'Future Contingents and the Battle Tomorrow'," presented at the Philosophy of Time Society meeting in Cleveland, Ohio, April 2003.

"Presentism and Time Travel," presented at the Central States Philosophical Association conference in Columbia, Missouri, October 2002.

Guest Lecturer for Adam Elga's and Bas van Fraassen's Princeton University graduate seminar on decision theory, October 2002.

"Presentism and Quantum Gravity," presented at the Princeton University/Oxford University philosophy of physics workshop at Princeton, New Jersey, May 2002.

"Evaluating Doomsday Arguments," presented at the University of Cincinnati, January 2002.

"Gott's Doomsday Argument: A Critical Evaluation," presented at the University of Kentucky Physics department, December 2001.

"The End of the World is Nigh: A Critical Evaluation of Doomsday Arguments," presented at Transylvania University, October 2001.

“On Dualistic Interpretations of Quantum Mechanics,” presented at the Philosophy of Science Association Biennial Meeting in Vancouver, Canada, November 2000.

“Presentism and Spacetime Physics,” presented at American University of Beirut Physics department, November 1999; California Polytechnic State University, January 2000; and University of Kentucky, February 2000.

Discussant at the *Quantum Computation, Quantum Cryptography* conference in Quinson, France, July 1999.

“Van Fraassen and Ruetsche on Preparation and Measurement,” presented at the Philosophy of Science Association Biennial Meeting, October 1998.

Discussant at the Princeton University/Rutgers University *Gravity and the Quantum* conference, May 1998.

“Quantum-Mechanical Self-Measurement,” presented at the Utrecht University *Modal Interpretations* conference, June 1996.

EXTERNAL PROFESSIONAL SERVICE

Major appointments

Editorial Board member for *Oxford Studies in Philosophy of Religion*, starting in 2007.

Program Committee member for the Philosophy of Science Association biennial meeting, 2008.

Journal refereeing

American Philosophical Quarterly, 2004, 2008.

Australasian Journal of Philosophy, 2005, 2007.

British Journal for the Philosophy of Science, 1999, 2000, 2001, 2003 (four times), 2004, 2005 (twice), 2007 (twice), 2008.

Canadian Journal of Philosophy, 2004, 2007.

Dialectica, 2007 (twice).

Disputatio, 2006.

Erkenntnis, 2003, 2004, 2008.

Foundations of Physics, 2006, 2008.

International Studies in the Philosophy of Science, 2002 (twice).

Mind, 2007 (twice).

Minds and Machines, 2001.

Pacific Philosophical Quarterly, 2005.

Philosophical Quarterly, 2004 (twice), 2005 (three times), 2006, 2008.

Philosophical Studies, 2005 (twice), 2007.

Philosophy of Science, 2002 (twice), 2006.

Spontaneous Generations, 2007.

Studies in History and Philosophy of Modern Physics, 2002, 2003, 2006.

Studies in History and Philosophy of Science, 2005.

Synthese, 2002, 2005 (four times).

Other refereeing

Social Sciences and Humanities Research Council of Canada grant application, 2007.

Broadview Press book proposals, 2007.

Central States Philosophical Association conference, 2004 (three papers).

Southern Society for Philosophy and Psychology conference, 2004 (three papers).

Internet Encyclopedia of Philosophy, 2002.

Other external service

External Examiner for PhD philosophy dissertation at University of Toronto, 2008.

External Examiner for PhD physics dissertation at University of Southern Queensland, 2007.

External Examiner for Swarthmore Honors students in philosophy of science, May 2006.

Provided editing assistance with philosophy of physics textbook manuscript for Blackwell Publishers, 2003.

External Examiner for undergraduate philosophy theses, Truman State University, November 2001.

INTERNAL PROFESSIONAL SERVICE – UNIVERSITY OF COLORADO

Graduate Admissions Committee, 2007-08.
Graduate Curriculum Committee, 2007-08.
Ad Hoc Committee on Salary System, 2007-08.
CHPS Committee, 2006-07 and 2007-08.
Jentzsch Prize Committee, 2006-07 and 2007-08.
Summer Seminar contributor (two sessions), 2007.
Search Committee, 2006-07.
Ad Hoc Salary Adjustment Committee, 2006.
Conducted independent studies with Lisa Leininger (Fall 2006) and Brett Hackett (Spring 2007).
MA Thesis advisor for Lisa Leininger.
Undergraduate thesis advisor for Sati Fardi and Joanna Schwab.

INTERNAL PROFESSIONAL SERVICE – UNIVERSITY OF KENTUCKY

Philosophy Department

Executive Committee, 2002-03, 2005-06.
Speaker Series Committee, 2000-05.
Chair of the Speakers Series Committee, 2001-05.
Metaphysics and Epistemology Exam Committee, 2000-04.
On thesis committees of graduate students Carl Ehrett, Aaron German, Michael Horton, Joel Hunter, and Jennifer Woodward.

Honors Program

Admissions Committee, 2000-05.
Singletary Scholarship Application Committee, 2000-04.
Participated in various extracurricular activities and field trips, 2000-05.
Advisor in Journal/Journey project, 2001-03, 2004-05.

College of Arts and Sciences

Area C Curriculum Committee of the College Council, 2002-03.
Summer Research Fellowships and Major Research Projects Review Committee, 2004.

University-wide

Member of the Institutional Animal Care and Use Committee, and the Executive Committee of this committee, 2000-03.
Teacher for three-week portion of Gaines Program Junior Seminar, 2003.
Faculty Advisor to various campus student organizations, 2001-05.

Last updated June 15, 2008.