

CURRICULUM VITAE

Michael D. Silberstein

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Personal: Born: March 2, 1962.

Education: 1986, B.A. (Honors) in Philosophy at University of Oklahoma
Minors in Asian Studies and International Relations
1994, Ph.D. in Philosophy at University of Oklahoma
Dissertation: What is the Matter with Mind
Examining Committee: Reinaldo Elugardo (Advisor), Adam Morton,
Chris Swoyer, Jim Hawthorne, Hugh Benson, and Frank Durso
(Psychology Department).

Employment:

2003-present: Adjunct Professor, Department of Philosophy and member of Foundations of Physics, a subdivision of the Committee for Philosophy and the Sciences (CpaS), a unit at the University of Maryland at College Park.

2009-present: Full Professor, Department of Philosophy at Elizabethtown College.
Fulltime Chair starting fall 2011.

2000-present: Associate Professor, Department of Philosophy at Elizabethtown College;
Acting Chair, fall 1999 and spring 2005.

1994-2000: Assistant Professor, Department of Philosophy at Elizabethtown College.

1993-1994: Adjunct Professor, Department of Philosophy at University of Central Oklahoma.

1987-1992: Graduate Assistant, Department of Philosophy at University of Oklahoma.

Areas of Special Interest:

Areas of specialization: Philosophy of Science, Philosophy of Physics, Philosophy of Mind, Philosophy of Cognitive Science, Metaphysics and Philosophy of Film.

Areas of competence: Asian Philosophy, History of Philosophy, Ethics, Logic, Epistemology, Philosophy of Language and Philosophy of Literature.

Fellowships and Awards:

Research awards/fellowships:

(2013) Scholar in residence at the Munich Center for Mathematical Philosophy (MCMP) for the month of July 2013, integrated in The Ludwig Maximilian University of Munich, commonly known as the University of Munich or LMU.

(2012) Our essay, “Explaining the Supernova Data without Accelerating Expansion,” received an Honorable Mention in the Gravity Research Foundation 2012 Awards for Essays on Gravitation.

<http://www.gravityresearchfoundation.org/announcements.html>

Others receiving Honorable Mention in the contest this year include such notables as Jacob D. Bekenstein, Carlo Rovelli, and Ted Jacobson. Mark Stuckey, Timothy McDevitt and Michael Silberstein.

(2010) Awarded \$ 16,090 Collaborative Interdisciplinary Scholarship Program (CISP) grant with Mark Stuckey physics and Timothy McDevitt mathematics for work on relational blockworld.

(2008) Short-listed for a Foundational Questions Institute (FQXi) grant for work on the relational block world (RBW).

(2007) Nominated for a Fellowship at the Center of Advanced Study in the Behavioral Sciences at Stanford University.

(2000-2005, 2007, 2010-2012) Awarded Elizabethtown College Exceptional Performance for Professional Activity.

(2005-06) Awarded Full Research leave spring 2005 and fall 2006 semesters, funded in part by \$ 30,000.00 grant from John Templeton Foundation to act as consultant to JTF for this period of time.

(1995-2004, 2006) Awarded Elizabethtown College Summer Research Stipend.

(2005) Awarded Full Research leave for fall semester funded in part by Elizabethtown College Strategic Grant.

(2005) Awarded \$10,000.00 Elizabethtown College Strategic Grant (with Mark Stuckey, Department of Physics & Engineering).

(2004) Awarded Two-thirds leave for fall semester funded in part by LSI Metanexus grant in order to organize the Elizabethtown College Center for Science and Religion conference on intelligent design.

(2004) Awarded \$30,000.00 LSI Metanexus grant to establish the Elizabethtown College Center for Science and Religion.

(2003) National Endowment for the Humanities Summer Research Stipend, \$ 3,000.00.

(2001) Awarded Research Fellowship at the Abteilung fur Theorie und Datenanalyse Institut fur Grenzgebiete der Psychologie in Freiburg Germany, while on sabbatical leave.

(1999) Awarded Full Junior Research Leave for Spring semester.

(1997) Nominated by Elizabethtown College for NEH Summer Research Stipend.

(1996) Awarded Elizabethtown College Faculty Research Grant.

(1996) Awarded a \$10,000 prize in the Templeton Foundation's Courses in Science and Religion Program for my *Junior-Senior Colloquium* titled, "Exploring Worldviews: Cosmology in Philosophical, Scientific, and Theological Perspective". The course was co-taught with Professors Stuckey and Bucher. The institutional portion of the grant was used to host a conference, *Reasons to Believe*, which Dr. Stuckey and I co-directed in 1997.

(1995) National Endowment for the Humanities Summer Research Award, \$ 3,000.00.

(1994) Nominated for NEH Dissertation Award at University of Oklahoma

(1988-89, 1992-93, 1993-94) Awarded Graduate College Fellowship for academic excellence.

(1989-90) Departmental nominee for the Harriette Harvey Fellowship for academic excellence at University of Oklahoma.

Presentation and travel awards:

(2005) Time-symmetry in Quantum Mechanics' at the Centre for Time, Department of Philosophy, University of Sydney. July 23-26.

(1996) Travel Award to attend the Oxford Summer Seminar: Neuroscience, Evolution and Self at Oxford, Queens College, UK. August 5-10.

(1992) Graduate College Travel Award. University of Oklahoma.

(1992) Graduate Student Travel Award from the American Philosophical Association for the presentation of "Churchland's Alchemical Connectionism" at the American Philosophical Association Pacific Division meeting in Portland, OR.

Seminars/institutes/workshops/symposiums:

(2013) Scholar in residence at the Munich Center for Mathematical Philosophy (MCMP) for the month of July 2013, integrated in The Ludwig Maximilian University of Munich, commonly known as the University of Munich or LMU.

(2011) Systematicity and the Post-Connectionist Era Workshop to be held in San José (Spain), Universidad de Murcia, 19-21 May.

(2011) Workshop and Doctoral Course on Extended Consciousness Sensorimotor Dynamics and Phenomenal Character Trondheim, Norway, at the Norwegian University of Science and Technology (NTNU). The event is sponsored by the Norwegian Research Council (NFR), 22-25 May. Michael Silberstein and Anthony Chemero instructors. Invited.

(2011) Cyber-Workshop on John Cramer's Transactional Interpretation of Quantum Mechanics. Spring. Invited.

(2010-12) Invited by Antonio Correa Iglesias, Chair of Complexity Studies at the Instituto de Filosofia in Havana, to present a paper on his research in Complexity Theory at *Complejidad 2010*, the Fifth Biennial Seminar on

the Philosophical, Epistemological, and Methodological implications of Complexity Theory. Complexity International Congress 2010 is organized by the Chair of the Institute of Philosophy Complexity of Havana and is co-sponsored by the Ministry of Science, Technology and Environment (CITMA), the Academy of Sciences of Cuba, the Felix Varela Center; Complexity Chairs at the Universities of Camaguey and Holguin Cathedra of Complexity of the Centro Cultural Nicolás. Guillen de Camagüey; la Cátedra de Sistemas Dinámicos No Lineales H. Guillen de Camagüey, the Chair of Nonlinear Dynamical Systems H. Poincare de la Universidad de La Habana, la Cátedra de Complejidad del Instituto Superior Pedagógico para la Enseñanza Técnico-Profesional, (ISPETP) y el Centro de Medicina y Complejidad de Camagüey. Poincare University of Havana, the Cathedra of Complexity of the Higher Pedagogical Institute for Technical and Vocational Education (ISPETP) and the Center for Medicine and Complexity of Camaguey. Scheduled to be held in Havana on January 5-10.

(2009) Workshop: Mechanism and Emergence in the Neurobiology of Cognition in Trondheim, Norway, at the Norwegian University of Science and Technology (NTNU). The event is sponsored by the Norwegian Research Council (NFR), May 29-31. Invited.

(2007) Symposium on “Top-Down Causation and Volition,” chaired by neuroscientist Christof Koch at the Wawona Hotel in Yosemite National Park in northern California, April 19-21. Invited.

(2007) Seven Pines XI, Emergence: from Physics to Biology, Stillwater, MN, May 2-6. Invited.

(2007) Rutgers University Workshop on probabilities and laws in evolutionary biology, May 15-18. Invited.

(2007) 'New Directions in the Foundations of Physics' at the American Institute of Physics in College Park, MD, May 12-May 14.

(2007) Rutgers University Workshop on philosophical foundations of quantum mechanics and the nature of objective chance in fundamental physics, January 11 and 12. Invited.

(2006) Seminar “Descrying the World in Physics: Philosophy and Physics” at CEU Summer University, Budapest, Hungary, July 3-14.

Course Director: Barry Loewer, Rutgers University

Faculty:

David Albert, Columbia University

Katalin Balog, Yale University

Carl Hoefer, University of Barcelona

Tim Maudlin, Rutgers University
David Papineau, Kings College University of London

(2006) Workshop II on “The latest in Quantum Paradoxes and Experimentation” with Yakir Aharonov, sponsored by the departments of physics and computer science at George Mason University, March 8-11. Invited.

(2006) Mind and Reality Symposium: Multidisciplinary Symposium on Consciousness. Columbia University, February 25-26.

(2005) Workshop on “The latest in Quantum Paradoxes and Experimentation” with Yakir Aharonov, sponsored by the departments of physics and computer science at George Mason University, August 24-27. Invited.

(2005) Workshop on “Descrying the World in Physics”, a Rutgers-Columbia conference in philosophy of science sponsored by Barry Loewer and David Albert at Rutgers University, April 21-23. Invited.

(2005) Annual Symposium on Emergence, Complexity and Evolution. Esalen Center for Theory and Research, Big Sur, California, October 15-20. Other invitees or attendees include: Owen Flanagan, Terry Deacon, Stuart Kauffman and Evan Thompson. Invited.

(2005) Time-symmetry in Quantum Mechanics’ at the Centre for Time, Department of Philosophy, University of Sydney, July 23-26. Invited.

(2004) Annual Symposium on Emergence, Complexity and Evolution. Esalen Center for Theory and Research, Big Sur, California, November 14-19. Other invitees or attendees include: David Chalmers, Owen Flanagan, Terry Deacon, Stuart Kauffman and Lee Smolin. Invited.

(2004) Workshop on Emergence. Department of Philosophy. University of California-Berkeley, April 14-16. Invited.

(2003) Workshop on Emergence. Stanford Center for Advanced Study in the Behavioral Sciences, October 23-26. Invited.

(2003) National Endowment for the Humanities Summer Institute: Science and Values. Peter Machamer and Sandra D. Mitchell, Directors. University of Pittsburgh.

(1996) Oxford Summer Seminar: Neuroscience, Evolution and Self at Oxford, Queens College, UK, August 5-10.

(1995) National Endowment for the Humanities Summer Seminar: Causation, Empiricism and Explanation. Paul Humphreys, Director at University of Virginia.

(1995) NEH Summer Seminar: Problems of Consciousness. William Lycan, Director. University of North Carolina-Chapel Hill. Alternate.

(1989) SLEP Seminar: Artificial Intelligence. Douglas Hofstadter, Director, Oklahoma State University.

Grants Written:

(2011) National Science Foundation collaborative grant on the Foundations of Dynamical Systems Theory and Extended Biological and Cognitive Systems, \$ 375,000.00, Co-PI with Anthony Chemero Psychology, Franklin and Marshall College.

(2011) John Templeton Foundation collaborative grant on the Foundations of Dynamical Systems Theory and Extended Biological and Cognitive Systems, \$ 175,000.00, Co-PI with Anthony Chemero Psychology, Franklin and Marshall College

(2010) National Science Foundation collaborative grant on the Foundations of Dynamical Systems Theory and Extended Biological and Cognitive Systems, \$ 375,000.00, Co-PI with Anthony Chemero Psychology, Franklin and Marshall College.

(2008) “The Berkeley Consortium on Emergent Dynamics: A Multidisciplinary Exploration of Teleology in Nature.” \$ 2.5 million John Templeton Foundation (second round), Co-PI with Terry Deacon at the University of California Berkeley and several associate investigators.

(2008) Short-listed for a Foundational Questions Institute (FQXi) grant for work on the relational block world (RBW), \$ 80,000.00, Co-PI with Mark Stuckey.

(2007) STARS (Science and Transcendence Advanced Research Series) Research Planning Grant for work on the relational block world (RBW),

\$ 20,000.00, Co-PI with Mark Stuckey, Physics & Engineering.

(2006) McDonnell Foundation research grant for Cognitive Science and Complexity, \$ 20,000.00, Co-PI with Anthony Chemero, Psychology, Franklin and Marshall College.

(2005) Supplemental LSI Metanexus grant for the Elizabethtown College Center for Science and Religion.

Publications:

Articles/ Book Chapters:

(2015) “What is a Brain if Not a Computer?” Research Topic on “Radical Embodied Cognitive Neuroscience.” In *Frontiers in Psychology (Human Neuroscience)*. Invited.

(2014) “Extending Experience” a special issue of the *Journal of Consciousness Studies* on Embodied and Extended Theories of Conscious Experience. With Anthony Chemero. Invited.

(2014) “Dynamics, Systematicity and Extended Cognition” in *Systematicity and the Post-Connectionist Era*. MIT Press.

(2013) “Constraints on Localization and Decomposition as Explanatory Strategies in the Biological Sciences.” *Philosophy of Science*. Volume 80. Number 5. 958-970.

(2013) “Being and Becoming: A Dialogue between Relational Blockworld and the Implicate Order” in *Foundations of Physics. Special issue in honor of Basil Hiley*. Volume 43 Number 4, 2013. With Mark Stuckey and Timothy McDevitt.

(2012) “Explaining the Supernova Data without Accelerating Expansion” in *International Journal of Modern Physics D. Special issue*. Mark Stuckey, Timothy McDevitt and Michael Silberstein.

(2012) “Modified Regge calculus as an explanation of dark energy”, in *Classical and Quantum Gravity*. 29, 055015. Mark Stuckey, Timothy McDevitt and Michael Silberstein.

- (2012) “Spacetime or Pre-Time in the Transactional Interpretation of Quantum Mechanics” in *Festschrift in Honor of John Cramer's Transactional Interpretation of Quantum Mechanics*. Edited by Ruth Kastner. Springer.
- (2011) “Complexity and Extended Phenomenological-Cognitive Systems” in *Topics in Cognitive Science: Special Issue on the Role of Complex Systems in Cognitive Science*. Guy Van Orden and Damien Stephen, Editors. M. Silberstein and A. Chemero. Invited.
- (2011) “Dynamics, Agency and Intentional Action” in *Humana.Mente: Journal of Philosophical Studies*. Special issue on Agency: from Embodied Cognition to Free Will. Issue 15. Edited by Duccio Manetti & Silvano Zipoli Caiani. M. Silberstein and A. Chemero. Invited.
- (2011) Commentary “On Gene’s Action and Reciprocal Causation” in *Foundations of Science*, S. Perovic and P.A. Miquel authors. Invited with author’s reply.
- (2011) “The Dialectic of King and X in Do The Right Thing” in *The Philosophy of Spike Lee: Series on The Philosophy of Popular Culture*. Mark Conrad, Editor. The University Press of Kentucky. Invited with honorarium.
- (2010) “Why Neutral Monism is Superior to Panpsychism” in *Mind and Matter: an International Interdisciplinary Journal of Mind-Matter Research*. Invited.
- (2010) “In Defense of Eternalism: The Relativity of Simultaneity and Block World” in *Space, Time, and Spacetime - Physical and Philosophical Implications of Minkowski's Unification of Space and Time* (Springer, Berlin, Heidelberg, New York 2010). Daniel Peterson and Michael Silberstein. Invited.
- (2009) “Emergence and Consciousness” in *Oxford Companion to Consciousness*. Tim Bayne, Axel Cleeremans, and Patrick Wilken, Editors. Invited with honorarium.
- (2009) “Nagarjuna’s Two Truths: Interdependent Origination and the Relational Block World” in *A Natural Scientist: Probing the Dalai Lama’s Thoughts on Science*. Owen Flanagan and Rob Hogendoorn, Editors. MIT Press. Invited chapter with honorarium.
- (2009) “Emergence: A Map of the Territory” in *Blackwell’s Philosopher’s Compass Online*. Invited with honorarium.
- (2009) “Consciousness, Emergence and Mereology” in *Philosophia Verlag Handbook of Mereology*, Seibt and Burkhardt, Editors. Invited with honorarium.

- (2009) “Quantum Nonseparability and Mereology” in *Philosophia Verlag Handbook of Mereology*. Seibt and Burkhard, Editors. Invited with honorarium.
- (2008) “Why Quantum Mechanics Favors Adynamical and Acausal Interpretations such as Relational Blockworld over Backwardly Causal and Time-Symmetric Rivals” in a focus issue of *Studies in the History and Philosophy of Modern Physics* on Time-Symmetric Approaches to Quantum Mechanics. Huw Price and Guido Bacciagalupi, Editors. Volume 39, Issue 4, pp. 732-747. Originally presented at ‘Time-symmetry in Quantum Mechanics’, July 23-26 (2006), at the Centre for Time, Department of Philosophy, University of Sydney. M. Silberstein, M. Cifone, and M. Stuckey.
- (2008) “Defending Extended Cognition,” in *Proceedings of the 30th Annual Conference of the Cognitive Science Society*. V. Sloutsky, B. Love, and K. McRae Editors. New York: Psychology Press. A. Chemero and M. Silberstein.
- (2008) “Reconciling Spacetime and the Quantum: Relational Blockworld and the Quantum Liar Paradox” in *Foundations of Physics*, Volume 38, Number 4, pp. 348-83. M. Stuckey, M. Silberstein and M. Cifone.
- (2008) "After the Philosophy of Mind: Replacing Scholasticism with Science" in *Philosophy of Science*. Volume 75, No. 1: 1-27. A. Chemero and M. Silberstein. Note: first most accessed article in the history of the journal.
- (2007) “The Relational Blockworld Interpretation of Non-relativistic Quantum Mechanics,” *Foundations of Probability and Physics 4*, 412 – 421 (American Institute of Physics, Melville, NY, 2007). Guillaume Adenier, Christopher A. Fuchs and Andrei Yu. Khrennikov, Editors. M. Stuckey and M. Silberstein.
- (2007) “An Argument for 4D Blockworld from a Geometric Interpretation of Non-relativistic Quantum Mechanics” in Petkov, V. Editor. *Relativity and the Dimensionality of the World*. Springer: Berlin, Heidelberg, New York. *Fundamental Theories of Physics Series 153*, pp. 197-216. M. Silberstein, M. Cifone, and M. Stuckey.
- (2007) “Deflating Quantum Mysteries via the Relational Blockworld” in *Physics Essays* (volume 19, number 2, 2006, pp. 1-26). M. Stuckey, M. Silberstein, and M. Cifone.
- (2006) “In Defense of Ontological Emergence and Mental Causation”, in *The Re-emergence of Emergence*, Paul Davies, Editor. Chapter 9 (Oxford University Press). Invited chapter with honorarium.
- (2006) “Emergence, Theology and the Manifest Image”, *The Oxford Handbook of Science and Religion*, Oxford University Press. Invited chapter with honorarium.

(2006) "Rear Window: Hitchcock's Allegory of the Cave", *Philosophy and the Films of Alfred Hitchcock*, Open Court Press. Invited chapter with honorarium.

(2005) "Reversing the Arrow of Explanation in the Relational Blockworld: Why Temporal becoming, the Dynamical Brain and the External World are in the Mind", *Endophysics, Time, Quantum and the Subjective*, Elitzur, et. al., Editors. World Scientific Press. M. Stuckey and M. Silberstein.

(2005) "Fate, Grace and Accident in *Pulp Fiction*", *Movies and the Meaning of Life*. Open Court Press. Invited chapter with honorarium.

(2004) "Space, Time and Magic in the Harry Potter Universe", *Philosophy and Harry Potter*. Open Court Press; the Philosophy and Popular Culture Series. Invited chapter with honorarium.

(2002) "Reduction, Emergence, and Explanation" *The Blackwell Guide to the Philosophy of Science*. Chapter 5, pp. 80-107. Blackwell Publishers. Invited chapter with honorarium.

(2001) "Converging on Emergence: consciousness, causation and explanation" *Journal of Consciousness Studies* Vol. 8, No. 9-10, pp. 61-98. Invited paper for special issue: *The Emergence of Consciousness*.

(1999) "The Search for Ontological Emergence" *Philosophical Quarterly* Vol. 49, No.195, April, pp.182-200.

(1998) "Emergence and the Mind-Body Problem" *Journal of Consciousness Studies* Vol. 5, No. 4, pp. 464-482.

(1995) "For Whom the Bell Arguments Toll." *Synthese*. 102: 99-138. J. Hawthorne and M. Silberstein.

Books/edited volumes:

(2002) *The Blackwell Guide to the Philosophy of Science*, P. Machamer and M. Silberstein, Editors. Blackwell Publishers.

(2014) Co-edit with Anthony Chemero a special issue of the *Journal of Consciousness Studies* on Embodied and Extended Theories of Conscious Experience. In addition we will write an introduction and contribute an article to the issue.

Publications under review:

Works in progress:

*Interpretation in Philosophy, Art and Science*_(book manuscript).

Emergence in Context: Science, Metaphysics and You (book manuscript).

“Emergence vs. Fundamentalism in Fundamental Physics”.

“Emergence in Condensed Matter Theory”.

“Defending Extended Cognition.”

“From the Quantum to the Classical: a Microcosm of Emergence and Reduction Debates”

“Placebo Effects and Conversion Disorders: What they tell us About Real World Mental Causation.”

“Will the Real ‘Scientific Metaphysics’ Please Stand Up: Physicalism and Emergence.”

Book reviews:

(2013) Vesselin Petkov (ed) *Minkowski Spacetime: A Hundred Years Later* (Springer 2010). *Studies in the History and Philosophy of Modern Physics*. Invited

(2012) Antonella Corradini and Timothy O'Connor (eds) *Emergence in Science and Philosophy*, (Routledge 2010); Jacob Howdy and Jesper Kallestrup (eds) *Being Reduced: New Essays on Reduction, Explanation, and Causation*, (Oxford U. P. 2008); and Mark Bedau and Paul Humphreys (eds) *Emergence: Contemporary readings in Philosophy and Science* (MIT Press, 2008). *Metascience*. Invited review and essay.

(2011) Steven Horst’s *Beyond Reduction*. (OUP, 2008). *Journal of Philosophical Psychology*. Invited review and essay with author reply. (Currently the # 1 most read article in the journal).

(1995) Merrilee Salmon’s *Introduction to Logic and Critical Thinking* (third edition). *Teaching Philosophy*. Vol. 18, No. 4, pp. 377-379.

Presentations:

Invited/honorarium:

(2014) “Experience Unbound”, keynote speaker at the meeting of the Society for Mind and Matter, Tucson. April 28.

(2014) “Experience Unbound” at the Center for Subjectivity Research at the University of Copenhagen, March 6.

(2013) “Contextual Emergence in Context: Ontic and Epistemic Dimensions.” The Ludwig Maximilian University of Munich, commonly known as the University of Munich or LMU. July 10.

(2012) “Complexity in Cognitive Science and Neuroscience”, at The Center for Advanced Study in the Behavioral Sciences (CASBS) at Stanford University, October.

(2012) “RBW as a Retrocausal Interpretation of Quantum Mechanics” at the Workshop on Retrocausation and Quantum Theory, University of Miami, Miami FL, January 10-13.

(2011) “Science First: The Dialectics of Unity and Disunity between Science, Philosophy of Science, and Metaphysics” at the American Philosophical Association meeting (Central Division), Minneapolis, MN, April 1.

(2011) “Complexity and Extended Phenomenological-Cognitive Systems” presented at Workshop and Doctoral Course on Extended Consciousness Sensorimotor Dynamics and Phenomenal Character, Trondheim, Norway, at the Norwegian University of Science and Technology (NTNU). The event is sponsored by the Norwegian Research Council (NFR), 22-25 May.

(2011) McIntyre Lecture on Philosophy and History of Science at Wheaton College, Wheaton, Illinois. April 4.

(2010) “Emergence and Non-linear Systems in Biology and Neuroscience” at Workshop: Science Engages Metaphysics: Emergence, Reduction and Explanation. To be held at the Wheaton College Science Station located in the scenic Black Hills of South Dakota near Rapid City, SD. July 25-31.

(2010) “Being *and* Becoming: A Dialogue between Relational Blockworld and the Implicate Order”, Conference in Honor of Basil Hiley and David Bohm at the University of Helsinki, Finland. November 12-16. M. Silberstein and M. Stuckey.

(2009) “When Super-Theories Collide: A Brief History of the Emergence/Reduction Battles between Particle Physics and Condensed Matter

Theory” at Emergence and Reduction in the Sciences Second Pittsburgh-Paris Workshop at Center for Philosophy of Science, University of Pittsburgh, December 12-13, 2009.

(2009) “Mechanism and Self-Organization in the Brain” at Workshop: Mechanism and Emergence in the Neurobiology of Cognition in Trondheim, Norway, at the Norwegian University of Science and Technology (NTNU). The event is sponsored by the Norwegian Research Council (NFR). Plenary speaker along with Bill Bechtel, Carl Craver and Terry Deacon. May 29-31.

(2009) “Neutral Monism Versus Dual-Aspect” at Institut für Grenzgebiete der Psychologie und Psychohygiene, Freiburg, Germany, May 13.

(2009) “Spacetime and the Manifest Image” at the Parmenides Foundation, Munich, Germany, May 20.

(2009) “Extended-Phenomenological-Cognitive Systems” at the Center for the Ecological Study of Perception and Action/Department of Psychology University of Connecticut. Storrs, CT. February 20. M. Silberstein and A. Chemero.

(2009) “When Super-Theories Collide: A Brief History of the Emergence/Reduction Battles between Particle Physics and Condensed Matter Theory ”at the Second International Conference on Integrated History and Philosophy of Science, University of Notre Dame. March 11-15.

(2009) “The Acausal Relational Blockworld Versus Retrocausal Interpretations of Quantum Mechanics” at the Department of Philosophy, University of Miami. Coral Gables, FL. March 21.

(2008) “Extended-Phenomenological-Cognitive Systems: Re-Conceptualizing Mental Causation” Interdisciplinary Workshop on Varieties of Causation in Consciousness Studies at Illinois State University. Normal, IL. November 18-22.

(2008) “Emergence: Self, Volition and Experience as Self-Organizing System.” Series on Cognitive Science and Free Will. Wesleyan University. Middletown, CT. October 15-17.

(2007) “Emergence and Quantum Mechanics”. Workshop on Quantum Physical Investigations into the Causal and Logical Orders and the Physical Basis of Possibility, University of Maryland. College Park, MD. August 15-18.

(2007) “When Super-Theories Collide: A Brief History of the Emergence/Reduction Battles between Particle Physics and Condensed Matter Theory ”. Seven Pines XI, Emergence: from Physics to Biology. Stillwater, MN,

May 2-6.

(2006) "Nondualism Yes, Identity No: Interrogating Causal Closure and Physicalism". Duke University Philosophy Department. Durham, NC. November 10.

(2006) "Relational Blockworld". George Mason University Center for Quantum Studies. Fairfax, VA. December 7.

(2006) "Quantum to Classical Transition per the Geometric Interpretation". Feynman Conference, Physics Department. University of Maryland. College Park, MD. August 25. With M. Cifone and M. Stuckey.

(2006) "The Emergence of the Classical World from the Quantum", STAR/IRAS Conference on Emergence, Star Island (other Plenary speakers include Bruce Weber, Terry Deacon, Stuart Kauffman and Ursula Goodenough). July.

(2005) "Ontological Emergence versus Causal Closure and Physicalism", presented to the Philosophy Department at Stanford University. Palo Alto, CA. October 28.

(2005) "Emergence and Complexity Theory", Philosophy Department, University of California- Berkeley. Berkeley, CA Workshop on Emergence. October 29.

(2005) "The Emergence and Evolution of Consciousness and in the Enactive Paradigm". The Esalen Center for Theory and Research, Symposium on Emergence, Complexity and Evolution. Big Sur, CA. October 15.

(2005) "Minkowski Meets Hilbert in a Relational Blockworld: A Geometric Interpretation of Quantum Mechanics". 'Time-symmetry in Quantum Mechanics', at the Centre for Time, University of Sydney. Sydney, Australia. July 23-26.

(2005) "Reversing the Arrow of Explanation in the Relational Blockworld: Why Temporal becoming, the Dynamical Brain and the External World are in the Mind". The Esalen Center for Theory and Research, Symposium on fundamental physics and the mind/body problem. Big Sur, CA. May 28.

(2005) "The Relational Blockworld". 'New Directions in the Foundations of Physics,' at the American Institute of Physics in College Park, MD. April 30-May 2 (Co-presented with M. Stuckey and M. Cifone).

(2005) "Ontological Emergence versus Causal Closure and Physicalism". Workshop on "Decrying the World in Physics", a Rutgers-Columbia conference in philosophy of science sponsored by Barry Loewer and David Albert. Rutgers University. New Brunswick, NJ. April 21-23

- (2005) “The Relational Blockworld”. Workshop: Endophysics, Time, Quantum and the Subjective, held at the Centre for Interdisciplinary Research (ZiF). Bielefeld Germany. January (Co-presented with M. Stuckey).
- (2005) “Resisting Neo-Scholasticism with Explanatory and Ontological Pluralism in Mind”. The Boston Colloquium for Philosophy of Science session entitled: Challenges from philosophy of science for philosophy of mind. Boston University. Boston, MA. March 21.
- (2004) “The Emergence of Consciousness and Mental Causation in the Enactive Paradigm”. The Esalen Center for Theory and Research, Symposium on Emergence, Complexity and Evolution. Big Sur, CA. November 15.
- (2004) “The Question of Identity and Intertheoretic Reduction in the Enactive Paradigm of Consciousness and Cognition”. Franklin and Marshall College, The Philosophical Studies of Mind Lecture Series. Lancaster, PA. October 29.
- (2004) “Fundamentalism Versus the Dappled World”. Eastern Pennsylvania Philosophical Association, Bloomsburg University. Bloomsburg, PA. October 23.
- (2004) “Emergence in intentional systems: testing the hypothesis”. Neuroscience Department, University of California-Berkeley. Workshop on Emergence. Berkeley, CA. April 15.
- (2004) “The interpreting brain: mind as meaning projector”. Philosophy Department, University of Pittsburgh. Pittsburgh, PA. February 17.
- (2004) “Emergence: the whole story”. Public lecture sponsored by the Metanexus Institute and the University of Pennsylvania. Philadelphia, PA. February 2.
- (2003) “Emergence, consciousness and physicalism”. Stanford University Center for Advanced Study in the Behavioral Sciences, Workshop on Emergence. Palo Alto, CA. October.
- (2003) “A plurality of pluralisms”. NEH Summer Institute: Science and Values, University of Pittsburgh. Pittsburgh, PA. July.
- (2002) “Emergence: Physicalism vs. Physics”. Philosophy department, University of Toronto. Toronto, Ontario. November.
- (2002) “Emergence in Cognitive-Neuroscience”. Philosophy department, University of York. Toronto, Ontario. October.
- (2002) “Emergence in physics and chemistry”. Committee for Philosophy and the Sciences, University of Maryland. College Park, MD. October.

(2002) "Emergence: Physicalism vs. Physics". Department of philosophy. University of Maryland. College Park, MD. October.

(2002) "Raising Consciousness: the Emerging Soul in Science and Philosophy". Sponsored by the Philosophy Department at the University of Oklahoma and the Distinguished Alumni Fund. Norman, OK.

(2001) "Emergence, Reduction and Explanation". University of Freiburg Germany.

(2000) "Emergence: the Whole Story". Philosophy department, University of Hong Kong. March 2.

(1998) "Artificial Intelligence, Neuroscience and the Self". Digital Culture and the Millennium, Public lecture, York College. York, PA. February 11.

(1996) "Quantum Mechanics and Consciousness". Department of Physics, California State Polytechnic University at Pomona. Pomona, CA.

(1996) "Emergent Mind". Department of Philosophy, California State Polytechnic University at Pomona. Pomona, CA.

(1996) "Thomas Kuhn and Scientific Realism". Conference on the Work of Thomas Kuhn, philosophy department, California State Polytechnic University at Pomona. Pomona, CA.

(1994) "Nonreductive Physicalism and the Existence of Emergent Properties". Department of Philosophy, Kenyon College. Gambier, OH.

(1993) "On the Matter of Mind". Department of Philosophy, Grand Valley State University. Grand Valley, MI.

Submitted/refereed:

(2014) "Experience Unbound: Neutral Monism, Emergence And Extended Mind", at the 20th Anniversary Toward a Science of Consciousness conference at the University of Arizona, Tucson. April 23.

(2013) "A Path Integral Over Graphs Approach to Unification and its Foundational Implications", accepted for presentation at Foundations of Physics 2013, The 17th UK and European Meeting LMU Munich, Germany, 29-31 July. With Mark Stuckey.

(2012) “Constraints on Localization and Decomposition as Explanatory Strategies in the Biological Sciences”, presented at the Philosophy of Science Association Meeting held at the University of California San Diego, November.

(2011) “Dynamics, Systematicity and Extended Cognition” at the Systematicity and the Post-Connectionist Era Workshop to be held in San José (Spain), Universidad de Murcia, 19-21 May.

(2010) “A New Path Integral Based Interpretation of Quantum Field Theory” at the Philosophy of Science Association Meeting in Montreal, Canada, November 3-7.

(2009) “Knocking Out Localization” at the meeting of the Society for Philosophy and Psychology, Indiana University in Bloomington, Indiana, June 12-14. M. Silberstein and M. Anderson. Poster.

(2008) “A New Self-Consistency View of Time in Quantum Gravity” at The Clock and the Quantum: Time in Quantum Foundations conference, Perimeter Institute for Theoretical Physics, Waterloo, Ontario, Canada. September 28-October 2. With M. Stuckey. Poster.

(2008) “Extended Cognition-Phenomenology” at the meeting of the Society for Philosophy and Psychology, University of Pennsylvania. Philadelphia, PA. June 26-29. A. Chemero and M. Silberstein. Poster.

(2008) "Defending Extended Cognition" at CogSci, the annual meeting of the Cognitive Science Society for basic and applied cognitive science research. Washington, D.C. July 23 – 26. A. Chemero and M. Silberstein.

(2008) "The Relational Blockworld: Radically Archimedean Physics" at The Third International Conference on the Nature and Ontology of Spacetime in Montreal at Concordia University; the Conference commemorates the one hundredth anniversary of Minkowski's talk "Space and Time" given on September 21, 1908. Montreal, Canada. June 13-15.

(2008) "In Defense of Eternalism: The Relativity of Simultaneity and Block World" at The Third International Conference on the Nature and Ontology of Spacetime in Montreal at Concordia University; the Conference commemorates the one hundredth anniversary of Minkowski's talk "Space and Time" given on September 21, 1908. Montreal, Canada. M. Silberstein and D. Peterson. June 13-15.

(2007) “Extended Phenomenology-Cognition” at the Conference on Cognition: Embodied, Embedded, Enactive, and Extended, at the University of Central Florida. Orlando, FL. A. Chemero and M. Silberstein. October 20-24.

- (2007) “Defending Extended Mind” meeting of the Society for Philosophy and Psychology, York University. Toronto, Canada. A. Chemero and M. Silberstein. June 19-23.
- (2006) “Quantum to Classical Transition: the Geometric Interpretation versus Bohm”, Quantum Structures ’06, Malta. M. Cifone, M. Silberstein, and M. Stuckey. July.
- (2006) “Quantum to Classical Transition per the Geometric Interpretation”, Foundations of Probability and Physics 4, University of Vaxjo, Sweden. M. Stuckey, M. Silberstein, and M. Cifone. June.
- (2004) “Static for Dynamism: Special Relativity and the Block Universe”, International conference on the ontology of space-time, Concordia University. Montreal, Quebec, Canada, M.Cifone. May 11-14.
- (2002) “Consciousness, Causation and Explanation”, presented at Tucson V: Toward a Science of Consciousness Conference. Sponsored by the Center for Consciousness Studies at the University of Arizona. Tucson, AZ, April 8-12.
- (2000) “Explaining Consciousness: Convergence on Emergence”, presented at Tucson IV: Toward a Science of Consciousness Conference. Sponsored by the Center for Consciousness Studies at the University of Arizona. Tucson, AZ. April 11-19.
- (1999) “Quantum Non-locality and Reductive Pregeometry”, presented at Fundamental Problems in Quantum Theory Workshop Program, University of Maryland, Baltimore Campus. Baltimore, MD. M. Stuckey. August 8-13.
- (1998) “Static for Dynamism”, presented at the International Society for the Study of Time Conference, Bavaria Germany. M. Stuckey and M. Silberstein. July 3-6.
- (1998) “Bridging the Explanatory Gap”, presented at Twentieth World Congress of Philosophy. Boston, MA. August 15-18.
- (1998) “The Search for Ontological Emergence: A Critical Taxonomy”, presented at Tucson III: Toward a Science of Consciousness Conference. Sponsored by the Center for Consciousness Studies at the University of Arizona. Tucson, AZ April 27-May 2.
- (1998) “Emergence and the Explanatory Gap”, presented at Tucson III: Toward a Science of Consciousness Conference. Sponsored by the Center for Consciousness Studies at the University of Arizona. Tucson, AZ. April 27-May 2.

- (1998) "Emergence, Explanation and the Hard Problem of Consciousness", presented at the American Philosophical Association Pacific meeting in Los Angeles, CA. March 26-29.
- (1997) "Writers, Philosophers and Other Dreamers: A Critique of Postmodern Theory", The Group For Early Modern Cultural Studies, University of North Carolina. Chapel Hill, NC. L. Martin. December.
- (1997) "Philosophy, Literature and Pedagogy: The Limits of Theory", Association of Literary Scholars and Critics, Berkeley, CA. L. Martin. November.
- (1997) "Emergence, Causal Closure and the Hard Problem of Consciousness", International Conference on Explaining Consciousness (The Brain and Self), Copenhagen, Denmark, Sponsored by the University of Copenhagen. August.
- (1997) "Exegesis on the Essence and Scope of Naturalism", Reasons to Believe: Interdisciplinary Conference on Naturalistic vs. Non-naturalistic Perspectives, Elizabethtown College. Elizabethtown, PA. July.
- (1997) "Emergence: The Probable Connection Between Quantum Mechanics and Consciousness", presented at the American Philosophical Association Pacific meeting in Berkeley, CA. March 26-29.
- (1992) "Churchland's Alchemical Connectionism", presented at the American Philosophical Association Pacific meeting in Portland, OR. M. Hulbert. (March 25-28).

Commentator/discussant:

(See also: seminars/institutes/workshops/symposiums)

- (2009) Commentator on "The Varieties of Dynamicism" at the meeting of the Society for Philosophy and Psychology, Indiana University in Bloomington, Indiana, June 12-14.
- (2008) Conference: Perspective in Physics and Philosophy. The conference is supported by the Institut fuer Grenzgebiete der Psychologie und Psychohygiene, Freiburg, by the Institut d'Histoire et de Philosophie des Sciences et des Techniques, Paris (principally through project FOUNDPHYS), and by the Centre

for Time, Sydney (through grants of the Australian Research Council). Paris, Carré des Sciences. (June 16 – 19).

(2008) 'New Directions in the Foundations of Physics' at the American Institute of Physics in College Park, MD. (April 25-27).

(2007) Symposium on “Top-Down Causation and Volition” chaired by the neuroscientist Christof Koch, at the Wawona Hotel in Yosemite National Park in northern California. (April 19-21).

(2007) 'New Directions in the Foundations of Physics' at the American Institute of Physics in College Park, MD. (May 12-15).

(2006) 'STAR/IRAS Conference on Emergence', Star Island, NH. (July).

(2006) 'New Directions in the Foundations of Physics' at the American Institute of Physics in College Park, MD. (May 3-5).

(2005) 'New Directions in the Foundations of Physics' at the American Institute of Physics in College Park, MD. (May 4-6).

(2005) 'Time-symmetry in Quantum Mechanics' at the Centre for Time, Department of Philosophy, University of Sydney. (July 23-26).

(2004) 'New Directions in the Foundations of Physics' at the American Institute of Physics in College Park, MD. (April 30-May 2).

(2003) Memorial Conference for Rob Clifton on the theme 'New Directions in the Foundations of Physics' at the American Institute of Physics in College Park, MD. (May 2-4).

Conference director/chair and related duties:

(2010) International and Interdisciplinary Workshop: Science Engages Metaphysics: Emergence, Reduction and Explanation. To be held at the Wheaton College Science Station located in the scenic Black Hills of South Dakota near Rapid City, SD. July 25-31. Robert Bishop at Wheaton College is co-director.

(2005) Elizabethtown College Center for Science and Religion presents: A Critical Appraisal of Intelligent Design: the Scientific, Theological and Civil Dimensions, March 1 at Elizabethtown College. Elizabethtown, PA.

(2003-4) Member of the NATO Advanced Research Workshops on Time Organizing Committee for the 2004 meeting in the Nottingham, UK.

(1998) Chairman of the symposium: Philosophy of Mind III, at the American Philosophical Association Central Division Meeting, Chicago, IL, May 8-10.

(1997) Conference Director of Reasons to Believe: Interdisciplinary and International Conference on Naturalistic vs. Non-naturalistic Perspectives, at Elizabethtown College. Keynote speakers include: Owen Flanagan, Willem Drees, Susan Haack, Paul Humphreys Alvin Plantinga, Nancey Murphy, Michael Ruse and Jonathan Shear. July.

(1997-2000) Director of Elizabethtown College Speaker Series on Science and Self. Invited Speakers of note include: Owen Flanagan, Valerie Hardcastle, and David Hodgson.

Referee/consulting work:

(2012-present) *Cognitive Science*

(2012-present) *Topics in Cognitive Science: Journal of the Cognitive Science Society*

(2011-present) HOPOS: The International Society for the History and Philosophy of Science

(2010-present) *Frontiers in Theoretical and Philosophical Psychology*

(2010-present) *Canadian Journal of Philosophy*

(2010-present) *Metascience*

(2010-present) *Brain and Behavioral Sciences*

(2010-present) *Mind*

(2010-present) *Physics Essays*

(2010-present) Routledge

(2009-present) *Studies in the History and Philosophy of Modern Physics*

(2009-present) National Science Foundation.

(2009-present) Society for Philosophy and Psychology.

(2008-present) The NEH Division of Research Programs (NEH Fellowship Panelist and Evaluator.

(2008-present) *Foundations of Science*

(2008-present) *British Journal for the Philosophy of Science*.

(2008-present) Norwegian University of Science and Technology and Norwegian

Research Council in conjunction with the Emergence in Living Systems Program.
 (2007-present) MIT University Press.
 (2007-present) Oxford University Press.
 (2007-present) *Cognition*.
 (2007-present) *Journal of Philosophical Psychology*.
 (2007-present) Open Court Press.
 (2007-present) Science Advisory Board of Life Boat Foundation.
 (2007-present) *Philosophy of Science*.
 (2006-present) Columbia University Press.
 (2006-present) Swiss National Science Foundation.
 (2005-present) *Synthese*.
 (2005-present) Blackwell Publishers.
 (2005-present) University of Chicago Press.
 (2005-present) University of Kentucky Press.
 (2004-present) Social Sciences and Humanities Research Council of Canada.
 (2004-present) *Mind and Matter*.
 (2004-present) *Foundations of Physics*.
 (2003-present) John Templeton Foundation.
 (2003-present) Mind Science Institute.
 (1999-present) *Philosophical Quarterly*.
 (1998-present) *Journal of Consciousness Studies*.

Media/Interviews/Editorials:

(2007) *New York Times* (January 2nd) in the article: “Free Will: Now You Have It, Now You Don’t.” Dennis Overbye Senior Science Editor.
 (2007) Colin McEnroe Afternoon show on WTIC NewsTalk 1080 AM in Hartford, CT.
 (2007) Joel Warner, Westword Newspaper, Denver, Co.
 (2007) Taos New Mexico, Public Radio.
 (2006) *Science & Theology News*, Invited Guest Editor and Editorial for Special Edition on Emergence.
 (2005) *Science & Theology News*, Interview about Relational Blockworld Interpretation of quantum mechanics and its theological implications.
 (2005) *Baltimore Sun*, Invited Guest Editorial on Intelligent Design and public education.
 (2005) Local print and electronic media such as *Harrisburg Patriot News*, *Lancaster New Era*, *York Daily Record*, *Fox 43*, *NBC* and *ABC affiliates*, *Harrisburg WITF*, etc. Numerous Invited Editorials and interviews related to Intelligent Design and the Dover case.
 (1997) *Christian Science Monitor*, interview on the science and culture wars.
 (1997) Local print and electronic media, interviews and editorials on the science

and culture wars.

Professional Associations:

Foundations of Physics, a subdivision of the Committee for Philosophy and the Sciences (CpaS), a unit at the University of Maryland at College Park.

American Philosophical Association.

Eastern Philosophical Association.

Philosophy of Science Association.

Society for Philosophy and Psychology.

Society for the Scientific Study of Consciousness.

Mind & Matter Society.

Courses Taught at Elizabethtown College:

PH 105 Introduction to Philosophy.

F 94, S 94 (2), F 96 (2), S 97 (2), S 99, S 03, S 04, F 07, S 09 (2), S 10 (2), F 11 (2), F 12, F 13, F 14

PH 110 Logic & Critical Thinking.

F 94 (2), S 94 (2), S 95 (2), S 96 (2), F 97 (2), F 98 (2), F 99, F 01 (2), F 02 (2), F 03 (2), F 09 (2), S 11 (2), S 12 (2), S 13, S 14,

PH 110 Honors: Logic & Critical Thinking. F 01

PH 180 Symbolic Logic. F 95, S 96, F 97, S 97, F 98, F 99

PH 200 History and Philosophy of Science. S 06, F 07, F 08

PH 213 Philosophy of Science. F 94, S 94, S 97, S 99, S 02, F 03

PH 213 Honors: Philosophy of Science. F 01

PH 232 Honors: Globalization. S 01

PH 255 Advanced Ethics. S 95.

PH 275 Science and Values. S 13, S 14 (2)

PH 290, Introduction to Cognitive Science. F 12, F 13, F 14,

PH 315 Philosophy of Film and Literature.

S 97, F 99, S 99, S 01, S 02, S 03, F 07, S 07, F 08, F 09, S 11, S 12, S 13

PH 370 Philosophy and Science Fiction. S 09

PH 371 Philosophy of Film and Literature. S 94, S 95, S 96,

PH 372 The Neo-Darwinian Paradigm and its Challenges. S 04, S 10

PH 373 Philosophy of Social Science. F 95
PH 373 Free Will and Determinism. F 04
PH 373 Free Will and the Soul in Science, Philosophy, and Religion. S 06, S 07
PH 374 Philosophy of Physics and Time Travel. S 07, F 14
PH 376 Philosophy of Natural Science. S 96.
PH 377 Asian Philosophy. F 97
PH 378 Philosophy of Mind. F 98, F 02, S 03
PH 378 Philosophy of Mind: East and West. S 04
PH 370 Introduction to Cognitive Science. F 12
PH 374 Time Travel and the Nature of Space and Time. S 04
CSC 462 Cognitive Science Capstone, F 13,
PH 482 Independent Study. F 98
PH 490 Senior Thesis. S 05, S 08, S 10, S 11, S12
JSC 300 Junior-Senior Colloquium. F 96
JSC 300 Honors: Junior-Senior Colloquium. S 02

Dissertation Committees:

(2009) Member, dissertation committee of Michael Cifone (UMD, College Park, Committee for Philosophy and the Sciences) on “Structural Realism.”

(2009) Member, dissertation committee of Wesley Van Camp (UMD, College Park, Committee for Philosophy and the Sciences) on “Quantum Mechanics and Quantum Information Theory.”

(2008) Co-chaired the dissertation of William Michael Kallfelz (UMD, College Park, Committee for Philosophy and the Sciences) on “Clifford Algebra: A Case for Geometric and Ontological Unification.”

Graduate courses taught at University of Maryland, College Park:

Seminar in Metaphysics: Physicalism and Emergence (PH 868).

COMPLETE LIST OF SERVICE ACTIVITIES:

Service to Elizabethtown College- Elected Councils and Committees

2012-2014 -- Vice-President of Faculty Assembly
2011-2012 -- Secretary of Faculty Assembly
2008-2011 – Chair, of Judicial Council
2004-2005 – Co-Chair, Professional Standards Committee with Tom Murray
2002-2005 – Member, Professional Standards Committee
2001-2002 – Executive Council due to being Chair of Academic Council
2001-2002 – Chair, Academic Council
2001-2002 – Chair, Core Reform Sub-Committee of Academic Council
1999-2002 – Member, Academic Council
1999-2000 – Member, Cultural Events Committee
1999- 2000– Nominating Committee
1999 – Strategic Plan Implementation Committee (Summer)
1998-1999– Judicial Council (one year replacement)
1996-1998 – Chair, Elections Committee
1995 –Parking Appeals Committee

Service to Elizabethtown College-Non-Elected

(2013-2014) Co-Chair of Strategic Planning Committee.

(2013) Wrote and submitted new Film Studies Minor to Academic Council.

(2013) Along with Aaron Cecala, got a new track for Cognitive Science Minor.

(2012) Summer Action Team for Strategic Plan: Core Reform/Common Intellectual Experience group.

(2012) Co-founded a new multi-disciplinary minor in cognitive science along with Biology and Psychology. 25 students.

(2012-2014) Presentation to Momentum Program and Explore the Core on Philosophy and Mock Trial.

(2010) Nominated for the Richard Crocker Outstanding Service to Students Award.

(2010) Invited panelist at the Elizabethtown College Scholarship Reconsidered: Faculty Innovations in Teaching, Research, and Service Workshop. Serving on The Challenges of Interdisciplinary Work Panel.

(2009-2010) As Chair of the Elizabethtown College Center for Science and Religion I organized and sponsored several speakers including: Terry Deacon (evolution, Berkeley); Robert Bishop (science and religion, Wheaton); Will Kreager (archeology in the bible land, Brown).

(2009-2010) Organizer and leader of the interdisciplinary study group on Liberal Education.

(2005) Sole organizer and fund raiser for Elizabethtown College Center for Science and Religion presents: A Critical Appraisal of Intelligent Design: the Scientific, Theological and Civil Dimensions, March 1 at Elizabethtown College.

(2004) Presenter in the Top Ten Books of Elizabethtown College Students and Faculty honors course sponsored by the High Library in association with the Remnant Trust and the Hershey Foods Honors Program. Selected Work: Common Sense by Thomas Paine, 1776.

(2004-Present) Chair of the Elizabethtown College Center for Science and Religion and organizer of all its sponsored activities.

(2004) Presented Faculty Forum on Emergence.

(2003) Faculty sponsor and discussant for the Spring Film Series sponsored by the Cultural Events Planning Committee. Film: *Dead Poets Society*, 1989, directed by Peter Weir.

(1999-2001) Founding Member, Honors Program Committee.

(1997-2001) Director of Elizabethtown College Speaker Series on Science and the Manifest Image of Self. Invited Speakers of note included: Owen Flanagan, Valerie Hardcastle, and David Hodgson.

(1997) Conference Director of Reasons to Believe: Interdisciplinary and International Conference on Naturalistic vs. Non-naturalistic Perspectives, at Elizabethtown College. Keynote speakers include: Owen Flanagan, Willem Drees, Susan Haack, Paul Humphreys Alvin Plantinga, Nancey Murphy, Michael Ruse and Jonathan Shear. July.

(1996-1998) Member of Lecture Series Committee.

(1996) Presented Faculty Forum on Consciousness and Consciousness Studies.

(1995-present) Faculty Advisor of Elizabethtown College Philosophy Club.

(1995-1996) Interdisciplinary Teaching Clusters.

(1995-1996) Mathematics Analysis Review Group.

(1995-1997) Peer Counselor Interviewer.

(1995-present) Media and Speakers Guide expert on Science & Religion and Science & Culture.

(1995) Speaker at Elizabethtown Undergraduate Social Science Research Conference.

Service to the Department (recent highlights)

(2013) Helped bring into existence the new unit of political science, philosophy and legal studies.

(2012-2014) Secured a new tenure track position and did search.

(2012) Undergoing self-review of the department.

(2012) Secured an external review of the department.

(2011-present) Chair

(2008) Worked with Vice President for Enrollment Paul Cramer to create new mailers, leaflets and brochures to advertise the recently re-structured philosophy major and minor

(2008) Facilitated a feature article in the E-townian about the re-structured philosophy major and minor and the benefits of majoring or minoring in philosophy in general

(2006) Completely restructured the major and minor in philosophy

(2005 and 1999) Acting Chair, Spring 2005, Fall 1999

(2004) Created a new webpage for the department and a new homepages for faculty

Service to the Profession at Large and Wider Community

(2012-present) Vice-President of the Mind and Matter Society

(2008-present) The NEH Division of Research Programs (NEH Fellowship Panelist and Evaluator)

(2008-present) Research Consultant Norwegian University of Science and Technology and Norwegian Research Council in conjunction with the Emergence in Living Systems Program

(2007-present) Consultant Science Advisory Board of Life Boat Foundation

(2006-present) Reviewer for Swiss National Science Foundation

(2004-present) Reviewer for Social Sciences and Humanities Research Council of Canada

(2003-present) Advisor, Consultant and Reviewer for the John Templeton Foundation

(2003-present) Advisor and Reviewer for Mind Science Institute

Standing letters of recommendation/tenure/promotion review:

Paul Humphreys -University of Virginia
Richard Healey -University of Arizona
David Chalmers -Australian National University
William Seager -University of Toronto
Adam Morton -University of Alberta
Owen Flanagan –Duke University
Jeff Bub-UMD, College Park
Don Howard-Notre Dame
Terry Deacon-Berkeley
Evan Thompson-University of Toronto
Huw Price-University of Sydney