

Anthony F. Beavers, Ph.D.

Curriculum Vitae

Contact Information

The University of Evansville
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Complete Online Dossier

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Education

Ph.D., Philosophy, Marquette University, Milwaukee, Wisconsin, 1990. Thesis Title: The Metaphysics of Affectivity and Ethical Responsibility.

M.A., Philosophy, Trinity College, Hartford, Connecticut, 1987. Thesis Title: Sartre and Husserl: The Disclosure of the Subject.

B.A., Philosophy, Trinity College, Hartford, Connecticut, 1985.

Research Areas

Philosophy of Information, Philosophy of Cognitive Science, Computational Philosophy (primarily regarding Artificial Intelligence, Machine Ethics, Cognitive Modeling and Philosophy of Mind), Early Modern Philosophy, Ethical Theory (including especially technological threats to moral realism and Information Ethics)

Academic Posts

Professor of Philosophy, University of Evansville, since 2003. Associate Professor, 1996-2003. Assistant Professor, 1991-1996. (Teaching load: 6 to 7 courses per year.)

Director of Cognitive Science, University of Evansville, since 2004.

Director of the Digital Humanities Laboratory, The University of Evansville, since 2009.

President, International Association for Computing and Philosophy, 2011-2014. Executive Director, 2001-2004 and 2008-2011.

Digital Humanities Fellow, The National Endowment for the Humanities, 2008-2009.

Visiting Scholar, Cognitive Science Program, Indiana University, 2007-2012.

Board Member, International Consultant Committee and Academic Committee of the International Center for the Philosophy of Information, Xi'an Jiaotong University, Xi'an, China, since 2012.

Visiting Lecturer, Department of Information and Media Studies, Aarhus University, Denmark, July 3rd-6th, 2011.

Visiting Lecturer, University of Texas at Austin, 1990-1991.

Lecturer, Marquette University, 1987-1989.

Publications

Computational Philosophy. *The Stanford Encyclopedia of Philosophy*, in progress, forthcoming subject to final review.

In the Wake of Moral Machines: Deference and Defiance Concerning Five Thousand Years of Accepted Ethical Tradition. In *The Nature and Practice of Software Controlled Machines*, edited by Rainhard Bengesz and Raymond Turner, in progress, forthcoming.

Why There Is No Symbol Grounding Problem to Solve. *Journal of Experimental and Theoretical Artificial Intelligence*, in progress, forthcoming.

Exploring Wolfram's Notion of Computational Irreducibility with a Two-Dimensional Cellular Automaton (with Drew Reisinger, Taylor Martin, Mason Blankenship, Chris Harrison and Jesse Squires). In *Irreducibility and Computational Equivalence: Wolfram Science 10 Years After the Publication of A New Kind of Science*, edited by Hector Zenil, forthcoming.

Is Ethics Headed for Moral Behaviorism and Should We Care? *Newsletter on Philosophy and Computers*, American Philosophical Association, forthcoming.

Could and Should the Ought Disappear from Ethics? Written for the International Symposium on Digital Ethics, Loyola University Chicago, October 28th, 2011. (Peter Lang, Digital Formations Series, 2012), forthcoming.

Information-Theoretic Teleodynamics in Natural and Artificial Systems (with Christopher Harrison). In *A Computable Universe: Understanding Computation & Exploring Nature as Computation*, edited by Hector Zenil (World Scientific, 2012), forthcoming.

In the Beginning Was the Word and Then Four Revolutions in the History of Information. In *Luciano Floridi's Philosophy of Technology: Critical Reflections*, edited by Hilmi Demir (Springer, Philosophy of Engineering and Technology Book Series, 2012), forthcoming.

Alan Turing: Mathematical Mechanist. In *Alan Turing: His Work and Impact*, edited by S. Barry Cooper and Jan van Leeuwen (Elsevier Science, 2012), forthcoming.

Historicizing Floridi: The Question of Method, The State of the Profession, and the Timeliness of Floridi's Philosophy of Information. *Etica & Politica / Ethics and Politics* 13.2 (2011): 255-275.

Moral Machines and the Threat of Ethical Nihilism. In *Robot Ethics: The Ethical and Social Implications of Robotics*, edited by Patrick Lin, George Bekey and Keith Abney (Cambridge, MA: MIT Press, 2011), 333-344.

Recent Developments in Computing and Philosophy. *Journal for the General Philosophy of Science* 42.2 (2011): 385-397.

Noesis and the Encyclopedic Internet Vision. *Synthese* 182.2 (2011): 315-333.

Typicality Effects and Resilience in Evolving Dynamic Networks. In *FS-10-03*, The Association for the Advancement of Artificial Intelligence Press, 2010.

Mechanists of the Revolution: The Case of Edison and Bell (with Brent Sigler). In *Proceedings of the VIII European Conference on Computing and Philosophy*, edited by Klaus Mainzer (Munich: Verlag Dr. Hut, 2010), 426-430.

Playing Around with Identity (with Tamara Wandel). In *Facebook and Philosophy*, edited by Dylan Wittkower (Chicago: IL: Open Court, 2010), 89-96.

Two Short Encyclopedia Articles: Anaximander of Melitus (44-45) and Heraclitus of Ephesus. In *The Biographical Encyclopedia of Astronomers*, edited by Thomas Hockey (Springer, 2007).

Phenomenology and Artificial Intelligence. In *CyberPhilosophy: The Intersection of Philosophy and Computing*, edited by James H. Moor and Terrell Ward Bynum (Oxford, UK: Blackwell, 2002), 66-77. Also in *Metaphilosophy* 33.1/2 (2002): 70-82.

Doubt and Belief in the *Tractatus de Intellectus Emendatione* (with Lee Rice). In *Spinoza: Critical Assessments*, Volume One, edited by Genevieve Lloyd (New York: Routledge, 2001), 358-377. Originally published in *Studia Spinozana*, IV (1989), 93-119.

Kant and the Problem of Ethical Metaphysics. *Philosophy in the Contemporary World* 7.2 (2001): 47-56. Also in *In Proximity: Emmanuel Levinas and the Eighteenth Century*, edited by Melvyn New, with Robert Bernasconi and Richard A. Cohen (Lubbock, TX: Texas Tech UP, 2001), 285-302.

Passion and Sexual Desire in Descartes. *Philosophy and Theology* 12 (2000): 223-243.

Noesis: Philosophical Research Online: An Experiment in Progress. *Newsletter on Philosophy and Computers*, American Philosophical Association, Volume 98.2 (1999).

Evaluating Search Engine Models for Scholarly Purposes: A Report from the Internet Applications Laboratory. *D-Lib Magazine: The Magazine of Digital Library Research*, The Corporation for National Research Initiatives, December (1998).

Levinas Beyond the Horizons of Cartesianism: An Inquiry into the Metaphysics of Morals. New York: Peter Lang, 1995.

Freedom and Autonomy: The Kantian Analytic and a Sartrean Critique. *Philosophy and Theology* 5 (1990): 151-168.

Desire and Love in Descartes's Late Philosophy. *History of Philosophy Quarterly* 6 (1989): 279-294.

Motion, Mobility and Method in Aristotle's *Physics*: Comments on *Physics II*, 192b20-24. *Review of Metaphysics* 42 (1988): 357-374.

Overcoming Inauthenticity through Anxiety: A Central Theme in Heidegger's *Being and Time*. *Dialogue: The Journal of Phi Sigma Tau* 31 (1988): 23-24.

In Process

What Would MorMach Require? An Argument in Favor of a No Fault Ethics. The fourth paper in a series beginning with 'Moral Machines and the Threat of Ethical Nihilism', 'Could and Should the Ought Disappear from Ethics?' and 'Is Ethics Headed for Moral Behaviorism and Should We Care?' listed above. Being prepared for submission to a special issue of *Topoi* dedicated to Machine Ethics & The Ethics of Building Intelligent Machines.

The Philosophy of Information and the Structure of Philosophical Revolutions. The third paper in a series beginning with 'In the Beginning Was the Word and Then Four Revolutions in the History of Information' and 'Historicizing Floridi: The Question of Method, The State of the Profession, and the Timeliness of Floridi's Philosophy of Information' listed above. Being prepared for the Seminar on the Philosophy of the Web, The Sorbonne, Paris, May 19th, 2012 (entry below), and then reworked for publication.

Transcendental Philosophy in the Age of Information: Floridi's Neo-Kantian Epistemology. Being prepared for the 4th International Workshop on the Philosophy of Information, The University of Hertfordshire, England, May 10th-11th, 2012 (entry below), and then reworked for submission to the *2013 Kant Yearbook* on Kant and Contemporary Theory of Knowledge.

(How) Can Semantic Information Be Reduced to Information Theory? Implications for an Information-Theoretic Philosophy of Mind. A philosophical reflection based on 'Typicality Effects and Resilience in Evolving Dynamic Networks' and 'Information-Theoretic Teleodynamics in Natural and Artificial Systems' listed above. Being prepared for presentation in the Cognitive Science Lecture Series, Rensselaer Polytechnic Institute, April 4th, 2012 (entry below) and then reworked for publication.

Edited Volumes

Inforgs and the Infosphere: Themes from Luciano Floridi's Philosophy of Artificial Intelligence, Special Issue of *The Journal of Experimental and Theoretical Artificial Intelligence* (JETAI), in progress, forthcoming, 2013.

Philosophy in the Age of Information: A Symposium on Luciano Floridi's Philosophy of Information, Special Issue of *Minds and Machines*, in progress, forthcoming, 2012-2013.

Ethics and Affective Computing, Special Issue of *The IEEE (Institute of Electrical and Electronics Engineers) Transactions in Affective Computing*, in progress, forthcoming, 2011.

Representing Philosophy (with Colin Allen), Special Issue of *Synthese* 182.2, 2011.

Robot Ethics and Human Ethics, Special Issue of *Ethics and Information Technology* 12.3, 2010.

Review Articles

Review of *Cognitive Science: An Introduction to the Science of the Mind* by José Luis Bermúdez. *Philosophical Psychology*, forthcoming.

Review of *Information: A Very Short Introduction* by Luciano Floridi. *Minds and Machines* 21.1 (2011): 97-101.

Review of *Moral Machines: Teaching Robots Right from Wrong* by Wendall Wallach and Colin Allen. *Philosophy Now* 71 (2009). A slightly revised version of this review also appeared in *Ethics and Information Technology* 12.4 (2010): 357-358.

Review of *Rethinking Commonsense Psychology: A Critique of Folk Psychology, Theory of Mind and Simulation* by Matthew Ratcliffe. *Journal of Consciousness Studies* 17.1-2 (2010): 235-238.

Review of *The Phenomenological Mind: An Introduction to Philosophy of Mind and Cognitive Science* by Shaun Gallagher and Dan Zahavi. *Philosophical Psychology* 22.4 (2009): 533-537.

Searching for Philosophy: A Review of Google Scholar and Google News. *Teaching Philosophy* 28:4 (2005), 367-371.

Review of *Philosophy and Computing: An Introduction* by Luciano Floridi. *Ethics and Information Technology* 3.4 (2002), 299-301. Also in *Newsletter on Philosophy and Computers*, American Philosophical Association, (2001).

Review of *Philosophical Papers: Betwixt and Between* by Calvin O. Schrag. *Review of Metaphysics* 50 (1997): 691-693.

In Process

Review of *The Handbook of Information and Computer Ethics*, edited by Kenneth Himma and Herman Tavani. *International Review of Information Ethics*, forthcoming.

Review of *Information Ethics, Volume II of Principia Philosophiae Informationis* by Luciano Floridi. *Minds and Machines*, forthcoming.

Speaking Engagements

Invited Speaker, Title to Be Determined. Panel Session on the Philosophy of Information, Its Challenges and Opportunities. The XXIII World Congress of Philosophy: Philosophy as Inquiry and Way of Life, Athens, Greece, August 4th-10th, 2013.

Invited Speaker, The Philosophy of Information and the Structure of Philosophical Revolutions. Seminar on the Philosophy of the Web, The Sorbonne, May 19th, and the Centre Pompidou, May 20th, Paris, 2012.

Transcendental Philosophy in the Age of Information: Floridi's Neo-Kantian Epistemology. The 4th International Workshop on the Philosophy of Information, The University of Hertfordshire, England, May 10th-11th, 2012.

Invited Speaker, (How) Can Semantic Information Be Reduced to Information Theory? Implications for an Information-Theoretic Philosophy of Mind. Issues in Cognitive Science Lecture Series, Rensselaer Polytechnic Institute, April 4th, 2012.

Invited Speaker, Could and Should the Ought Disappear from Ethics? International Symposium on Digital Ethics, Center for Digital Ethics and Policy, School of Communication, Loyola University Chicago, October 28th, 2011.

Invited Speaker, Hybrid Networks: Transforming Networks for Social and Textual Analysis into Teleodynamic and Predictive Mechanisms (with Christopher Harrison). Institute for Advanced Topics in the Digital Humanities, Networks and Network Analysis for the Humanities, sponsored by the National Endowment for the Humanities and the Institute for Pure and Applied Mathematics (IPAM), University of California, Los Angeles, October 20th-22nd, 2011.

Invited Speaker, A Brief Introduction to Information-Theoretic Teleodynamics, Panel on Info-Metrics: Information Processing across the Sciences. Info-Metrics Institute Workshop on the Philosophy of Information, American University, Washington, D.C., October 3rd, 2011.

Presidential Keynote Speaker, Is Ethics Computable, Or What Other than Can Does Ought Imply? Annual Meeting of the International Association for Computing and Philosophy, Aarhus University, Denmark, July 4th, 2011. Abstract published in *The Proceedings of the International Association for Computing and Philosophy 2011 Conference: The Computational Turn: Past, Presents, Futures?* Edited by Charles Ess and Ruth Hagengruber (Münster, Germany: Verlagshaus Monsenstein & Vannerdat OHG, 2011), 19-21.

Inside the Psychology of the Agent: Information, Association, Attraction and Repulsion. National Endowment for the Humanities Institute for Advanced Topics in the Digital Humanities, Computer Simulations in the Humanities, University of North Carolina, Charlotte, June 10th, 2011.

Invited Speaker, Facebook Revisited: How the Business of Social Networking May Redefine Our Sense of Right and Wrong. Technology and Ethics Lecture Series, Ethics + Emerging Technologies Group, California Polytechnic State University, May 13th, 2011.

Typicality Effects and Resilience in Evolving Dynamic Networks. Complex Adaptive Systems: Resilience, Robustness, and Evolvability, Association for the Advancement of Artificial Intelligence (AAAI) Fall Symposium Series, Arlington, Virginia, November 11th-13th, 2010.

Invited Speaker, Can Virtue Be Safe in an Online World?: The Problems and Perils of Ungoverned Social Networking. Province Psi Leadership School & Convention, Sigma Alpha Epsilon Fraternity, November 6th-7th, 2010.

Mechanists of the Revolution: The Case of Edison and Bell (with Brent Sigler). European Meeting of the International Association for Computing and Philosophy (IACAP), Technische Universität München, Munich, Germany, October 4th-6th, 2010.

Cartesian Mechanisms and Transcendental Philosophy. Conference on the Myth of the Cartesian 'Ego' and the Analytic/Continental Divide, Radboud University Nijmegen, The Netherlands, September 3rd-4th, 2010.

More Fun with Jets and Sharks: Typicality Effects and the Search for the Perfect Attractors. North American Meeting of the International Association for Computing and Philosophy (IACAP), Simulations and Their Philosophical Implications, Carnegie Mellon University, July 24th-26th, 2010.

Invited Speaker, The Genesis of Moral Machines: On Making Robots in the Garden of Eden. Concepts of Good and Evil in Literature (Julia Galbus, Instructor), University of Southern Indiana, March 25th, 2010.

Invited Speaker, Moral Robots and Kantian Ethics. Information Ethics and Technology-based Ecosystems (David Saab, Instructor), Pennsylvania State University, March 18th, 2010.

Invited Speaker, Mechanical vs. Symbolic Computation: Two Contrasting Strategies for Information Processing. Society for Machines and Mentality, Eastern Division Meeting of the American Philosophical Association, New York City, December 27th-30th, 2009.

Invited Speaker, The Ethics of Facebook. Technology and Ethics Lecture Series, Ethics + Emerging Technologies Group, California Polytechnic State University, May 4th, 2009.

Between Angels and Animals: The Question of Robot Ethics, or Is Kantian Moral Agency Desirable? Association for Practical and Professional Ethics, Eighteenth Annual Meeting, Cincinnati, Ohio, March 5th-8th, 2009.

Invited Speaker, Domain-Specific Search and the Encyclopedic Internet Vision. Spring 2008 Talk Series on Network and Complex Systems, Indiana University, February 25th, 2008.

Presenter, Intentionality and Association. The 3rd Annual Computing and Philosophy Conference, Oregon State University, August, 2003.

Invited Speaker, Introducing the International Association for Computing and Philosophy. The 16th Annual Computing and Philosophy Conference, Carnegie Mellon University, August, 2001.

Information Metaphysics, Naturalism and the Computational Turn. The 1st Annual Computing and Philosophy Conference, Oregon State University, January, 2001.

Invited Speaker, The Noesis Model of Academic Publishing. Annual Meeting of the American Sociological Association, Washington, D.C., August, 2000.

Invited Speaker, Noesis: From Search Engine/Index to Information Network. The 15th Annual Computing and Philosophy Conference, Carnegie Mellon University, August, 2000.

Invited Speaker, Noesis and the Electronic Dissemination of Professional Philosophy: Problems and Prospects. Pacific Division Meeting of the American Philosophical Association, Albuquerque, New Mexico, April, 2000.

Panel Participant, Philosophy on the Internet: Questions of Standards. Special Session Arranged by the APA Board of Officers, Eastern Division Meeting of the American Philosophical Association, Boston, December, 1999.

Invited Speaker, Managing Quality Content on the Web: A Preview. Eastern Division Meeting of the American Philosophical Association, Boston, December, 1999.

Noesis: Philosophical Research On-Line. The 14th Annual Computing and Philosophy Conference, Carnegie Mellon University, August, 1999.

The Noesis Model: A Progressive Experiment for the Dissemination of Professional Philosophy. The 12th Triennial Conference of the International Association of University Presidents: Touchstones for a Modern University Culture, Brussels, July, 1999.

Invited Speaker, Noesis: Philosophical Research On-Line and Argos and Exploring Ancient World Cultures. Two sessions at the 1999 Indiana Classics Conference, DePauw University, April, 1999.

Invited Speaker, The Fourth Tetralogy: An Online Exploration of Plato's Middle Dialogues and Philosophy on the Internet. The 13th Annual Computing and Philosophy Conference, 20th World Congress of Philosophy, Boston, August, 1998.

Invited Speaker, Argos and Exploring Ancient World Cultures: How a Limited Area Search Engine Can Supplement Course-based Internet Resources. Technology Enhancement of Teaching and Learning: Asynchronous Delivery from Course Development to Learner Support, Purdue University, October, 1997.

Commentator, The Midwest Seminar in the History of Modern Philosophy, University of Chicago, 1992, and Washington University, 1993.

Invited Speaker, The Source of the Moral 'Ought' and Implications for Health-Care Ethics. University of Texas at Austin, 1991.

Invited Speaker, An Argument for Belief in Spinoza's Ethics. Southern Illinois University, Edwardsville, 1990.

Invited Speaker, Introducing Levinas to Undergraduate Philosophers. University of Texas at Austin, 1990.

Invited Speaker, Descartes Beyond Transcendental Phenomenology: Preliminary Comments on Heidegger's Critique of the Cartesian Project. University of Texas at Austin, 1990.

Courses Taught

Philosophy of Information, Philosophy of Information Technology, Information Ethics, Philosophy of Artificial Intelligence, Computation and Cognition, Artificial Intelligence and Human Cognition, Philosophy of Cognitive Science, Philosophy of Technology, Philosophical Psychology, Philosophical Foundations of Neuroscience, Emergence and Reduction, Introduction to Cognitive Science, Symbolic Logic, Modern European Philosophy, Kant's Critical Philosophy, Ancient Greek Philosophy, Plato's Psychological Dialogues (*Symposium, Phaedrus, Republic & Phaedo*), Plato's *Republic*, Plato's Later Dialogues (*Parmenides, Theatetus, Sophist & Statesman*), Plato and Nietzsche, 19th and 20th Century Continental Philosophy, Phenomenology and Existentialism, Heidegger's *Being and Time*, Heidegger's Nietzsche, Kierkegaard's *Stages of Life's Way*, Ethical Theory, Applied Ethics, Kantian Ethics, Kant and the Problem of Ethical Metaphysics (Kant and Levinas), Social and Political Philosophy, Philosophy and the Judeo-Christian Tradition, Philosophy of Religion, Philosophical Anthropology.

For more on my teaching, see <http://faculty.evansville.edu/tb2/teaching.htm>.

Grants and Fellowships (\$375,650)

Transforming Standard Databases into Teleodynamic and Predictive Mechanisms (Christopher Harrison, Co-PI), UExplore Undergraduate Research Program, The University of Evansville, Summer 2011, \$10,585.

Computer Simulations in the Humanities, National Endowment for the Humanities (Co-director with Marvin Croy, Patrick Grim and Mirsad Hadzikadic), 2010-2012, \$155,415.

InPhO @ Work: Providing Integrated Access to Philosophy, National Endowment for the Humanities (C. Allen, PI), Subcontract to the University of Evansville from Indiana University, 2009-2011, \$35,000.

Noesis: Philosophical Research Online, Digital Humanities Fellowship, National Endowment for the Humanities, 2008-2009, \$75,400.

Travel Grant for Noesis: Philosophical Research Online, Alumni Research and Scholarly Activity Fellowship, University of Evansville, 2008, \$750.

Library Development Grant for Resources in the Cognitive and Neural Sciences, Wheeler Fund, University of Evansville, 2007, \$1,250.

Travel Grant for Noesis: Philosophical Research Online, Alumni Research and Scholarly Activity Fellowship, University of Evansville, 2007, \$750.

Library Development Grant for Resources in Cognitive Science, Wheeler Fund, University of Evansville, 2004, \$1,400.

Internet Technology Research and Development Grant, Office of the President, University of Evansville, 1999-2001, \$42,900.

Software Development Grant, The Experiential and Collaborative Environment for Learning, University of Evansville, 1998, \$7,500.

Software Development Grant, The Experiential and Collaborative Environment for Learning, University of Evansville, 1997, \$2,500.

Internet Technology Research and Development Grant, Office of the President, University of Evansville, 1996-1998, \$42,200.

Conferences, Institutes, Symposia and Workshops

Member, Turing Centenary Advisory Committee and TCAC Culture Subcommittee, The Alan Turing Year: A Centenary Celebration of the Life and Work of Alan Turing (ATY), 2009-2012.

Member, Programme Committee, Turing in Context II, The Royal Flemish Academy of Belgium for Science and the Arts, Brussels, October 10th-12th, 2012.

Member, Program Committee, ALife XIII: The 13th International Conference on the Simulation and Synthesis of Living Systems, Michigan State University, July 19th-22nd, 2012.

Co-Chair, with John Barnden and Manfred Kerber, The 2012 AISB/IACAP World Congress, A Joint Venture of the Society for the Study of Artificial Intelligence and Simulation of Behaviour and the International Association for Computing and Philosophy, University of Birmingham, England, July 2nd-6th, 2012.

Chair, Symposium on Computational Philosophy, The 2012 AISB/IACAP World Congress. See entry above for further details.

Moderator, Author Meets Critics Session of Luciano Floridi's *The Philosophy of Information*, The 2012 AISB/IACAP World Congress. See entry above for further details.

Member, Program Committee, Symposium on Information Quality, The 2012 AISB/IACAP Word Congress. See entry above for further details.

Co-chair, with Mirsad Hadzikadic and Paul Youngman, Human Complexity 2012, The First Annual Conference on Complexity and Human Experience, Modeling Complexity in the Humanities and Social Sciences, University of North Carolina, Charlotte, May 30th-June 1st, 2012.

Member, Organizing Committee, The 3rd International Conference on Proportionality, Quantitative Justice and Fairness: Inference and Causality-Consequentialism-Distributive Justice, Faculty of Law, University of Lisbon, Portugal, May 22nd-24th, 2012.

Member, Program Committee, PhiloWeb 2012, Web and Philosophy: Why and What For? To be held as part of World Wide Web 2012, Lyon, France, April 16th-20th, 2012.

Member, Organizing Committee, Complex Adaptive Systems: Energy, Information, and Intelligence, Association for the Advancement of Artificial Intelligence (AAAI), Fall Symposium Series, Arlington, Virginia, November 4th-6th, 2011.

Member, Program Committee, Philosophy and Theory of Artificial Intelligence, Thessaloniki, Greece, October, 2011.

Member, Programme Committee, Computability in Europe, CiE 2011, Models of Computation in Context, Sofia, Bulgaria, June, 2011.

Co-director (with Marvin Croy, Patrick Grim and Mirsad Hadzikadic), National Endowment for the Humanities Institute for Advanced Topics in the Digital Humanities, Computer Simulations in the Humanities, University of North Carolina, Charlotte, May 31st-June 16th, 2011.

Session Moderator, Models in Perception, Cognition and Neuroscience, and Group Reporter, Session on IPCC Climate Change, Epistemology of Modeling and Simulation, National Conference, University of Pittsburgh, April 1st-3rd, 2011.

Member, Organizing and Program Committee, Complex Adaptive Systems: Resilience, Robustness, and Evolvability, Association for the Advancement of Artificial Intelligence (AAAI) Fall Symposium Series, Arlington, Virginia, November 11th-13th, 2010.

Co-planner (with Ken Pimple, Rich Miller and Glenda Murray) and Participant, Book Workshop on the Ethics of Pervasive and Autonomous Information Technology, Poynter Center for the Study of Ethics and American Institutions, Indiana University, October 20th, 2010.

Senior Advisor, ϕ -BOT10: Philosophy Meets Robotics, Technische Universität München, Munich, Germany, October 6th-7th, 2010.

Track Co-Chair, with Amnon Eden, Technological Singularity and Acceleration Studies, European Meeting of the International Association for Computing and Philosophy (IACAP), Technische Universität München, Munich, Germany, October 4th-6th, 2010.

Fellow, National Endowment for the Humanities Institute for Advanced Topics in the Digital Humanities, Networks and Network Analysis for the Humanities, sponsored by the National Science Foundation Institute for Pure and Applied Mathematics (IPAM), University of California, Los Angeles, August 15th-27th, 2010.

Participant, OpenSeminar in Research Ethics Workshop, sponsored by the National Science Foundation, North Carolina State University, Raleigh, North Carolina, July 12th-13th, 2010.

Member, Planning Committee, Workshop on Ethical Guidance for Research and Application of Pervasive and Autonomous Information Technology, Poynter Center for the Study of Ethics and American Institutions and the Association for Practical and Professional Ethics, Cincinnati, Ohio, March 3rd-4th, 2010.

Member, Organizing and Program Committee, Complex Adaptive Systems and the Threshold Effect: Views from the Natural and Social Sciences, Association for the Advancement of Artificial Intelligence (AAAI) Fall Symposium Series, Arlington, Virginia, November 5th-7th, 2009.

Invited Participant, Workshop on Ethics in Science and Engineering: Redefining Tools & Resources, sponsored by the National Center for Digital Government; the Science, Technology and Society Initiative; the University Libraries of the University of Massachusetts, Amherst; and the National Science Foundation, University of Massachusetts, Amherst, October, 23rd, 2009.

Invited Participant, Workshop on Mapping the History and Philosophy of Science, sponsored by the National Science Foundation and the James S. McDonnell Foundation, Indiana University, June 17th-18th, 2009.

Program Chair, Annual North American Meeting of the International Association for Computing and Philosophy, Networks and Their Philosophical Implications, Indiana University, 2008-2009.

Invited Participant, Promoting Digital Scholarship: Formulating Research Challenges in the Humanities, Social Sciences and Computation, Council on Library and Information Resources and the National Endowment for the Humanities, Washington, D.C., September 15th, 2008.

Program Chair, Annual North American Meeting of the International Association for Computing and Philosophy, The Limits of Computation, Indiana University, 2007-2008.

Program Chair, Annual North American Meeting of the International Association for Computing and Philosophy, Free and Open Source Software and Open Access Publication, Loyola University, 2006-2007.

Program Chair, The 16th Annual Computing and Philosophy Conference at Carnegie Mellon University, August, 2001.

Referee and Program Planner, The Midwest Seminar in the History of Modern Philosophy, University of Chicago, 1991, and Washington University, St. Louis, 1993.

Other Related Activities

Grant Reviewer and Panelist, The Digital Humanities Start-Up Grant Program, National Endowment for the Humanities, Washington, D.C., June 2nd, 2009 and May 24th, 2011.

Journal Referee, *The Journal of Business Ethics*, 2009; *Ethics and Information Technology*, 2009-2011; *The ACM (Association for Computing Machinery) Journal on Computing*

and Cultural Heritage, 2009; *Minds and Machines*, 2010 & 2011; *Information Sciences*, 2010 & 2011; *Philosophy & Technology*, 2010-2012; *Philosophy of Science*, 2011; *IEEE (Institute of Electrical and Electronics Engineers) Spectrum*, 2011; *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, 2012.

Book Manuscript & Proposal Reviewer, Columbia University Press, 2006; Routledge, 2006 & 2008; Cambridge University Press, 2008 & 2009; Polity Press, 2008; MIT Press, 2009; Palgrave Macmillan, 2010.

Member, Poster Prize Committee, The Society for Philosophy and Psychology, June, 2009.

Area Editor, Philosophy of Computing and Information, PhilPapers, edited by David Chalmers and David Bourget, since 2009.

Member, Website Services Committee, Consortium on Cognitive Science Instruction, 2008-2012.

Affiliated Researcher, InPhO: The Indiana Philosophy Ontology Project, Cognitive Science Program, Indiana University, since 2007.

Member, Steering Committee, North American Division of the International Association for Computing and Philosophy, 2004-2008.

Member, The American Philosophical Association Committee on Philosophy and Computers, 2000-2003.

Philosophy Editor, Student Advantage Research, 1999-2000.

Author, Miscellaneous Encyclopedia Articles (on classical themes and for various projects), 1998-2003.

Editor, Noesis: Philosophical Research Online, since 1998.

Grant Reviewer, Curriculum Development Grant Program, Seton Hall University, 1997.

Grant Reviewer, The National Endowment for the Humanities, 1997.

Editor, Argos: Limited Area Search of the Ancient and Medieval Internet, 1996-2000.

Service to the University (Partial Listing)

Member, Academic Leadership Committee (made up of Deans, Chairs and Program Directors, and reporting directly to the Senior Vice President of Academic Affairs), since 2011.

Member, Neuroscience Program Committee, since 2011.

Chair, Cognitive Science Curriculum Review and Revision Committee, 2007-2008.

Co-chair (with Lora Becker), Cognitive and Neural Science Consortium, since 2007.

Member, Ad Hoc Code of Conduct Ethics Committee, 2007.

Member, Ad Hoc University Religious Identity Committee, 2006-2007.

Robotics Minor Representative, Engineering Minor Curriculum Development Committee, College of Engineering and Computer Science, 2006.

Member, Neuroscience Curriculum Review and Revision Committee, Department of Psychology, 2006.

Co-chair (with Lora Becker), Crick Lecture Series in the Cognitive and Neural Sciences, since 2005.

Member, Cognitive Psychology Hiring Committee, Department of Psychology, 2004-2005.

Director of Cognitive Science, University of Evansville, since 2004.

Member, Ad Hoc Committee to Investigate Data Loss in the University Computer Network, 2004.

Member, Datatel Investigation Committee, 2004.

Member, Academic Technology Assessment Committee, 2003-2004. (Chair, Diagnostics and Assessment Subcommittee, 2003).

Chair, Cognitive Science Curriculum Development Committee, 2002-2004.

Associate Director and Academic Advisor, The Interdisciplinary Program in Internet Technology, College of Engineering and Computer Science, 2001-2002.

Member, Internet Technology Curriculum Development Committee, College of Engineering and Computer Science, 2000-2001.

Director, The Internet Applications Laboratory, University of Evansville, 1998-2002.

Chair, Discussion 300 Curriculum Development Committee, 1994-1995.

Faculty Advisor, Mortar Board National College Senior Honor Society: University of Evansville Chapter, 1993-1994.

Mentor, Undeclared Freshmen Program, 1993-1994.

Member, World Cultures Revision Committee, 1992-1997.

Member, University Curriculum Committee, 1992-1996.

On Campus Lectures and Presentations

Complexity and Cognition: Circuits not Software. Crick Lecture in the Cognitive and Neural Sciences, The University of Evansville, April 11th, 2012.

Recursion, Memory and Information Entropy in Dynamic Associative Networks. Cognitive Neuroscience Club, The University of Evansville, November 30th, 2011.

Deriving Semantic Meaning by Measuring the Quantity of Information Flow. Fall Faculty Conference, The University of Evansville, Evansville, Indiana, August 17th, 2011.

Monkeys, Mind Control and Virtual Reality Video Games. University of Evansville Admissions Office Road Trip Open House, February 19th, 2011.

When Your Profile Knows More about You than You Do: The Power of Cognitive Computing, or Why I Left Facebook. Crick Lecture in the Cognitive and Neural Sciences, The University of Evansville, September 27th, 2010.

The Philosophical Implications of Signal Transduction. Cognitive and Neural Science Research Group, University of Evansville, September, 30th, 2009.

Is Noesis Noetic and Why Does this Matter? Cognitive and Neural Science Research Group, University of Evansville, 2008.

Some Cognitive Functions of Elementary Artificial Networks. Cognitive and Neural Science Research Group, University of Evansville, 2008.

Emergence, Interactivity and the Game of Life: An Argument against Intelligent Design. Physics Club Lecture, University of Evansville, 2005.

Pedagogy and Situated Cognition: Technique and Technology in the Evolution of Intelligence. Andiron Lecture, University of Evansville, 2005.

Edison, Bell and the Future of Educational Technology. Wednesday Mornings at the University of Evansville, 2005.

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Professional Memberships

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The Cognitive Science Society
Friends of the Stanford Encyclopedia of Philosophy (SEP) Society
The International Association for Computing and Philosophy
The International Center for Information Ethics
The Society for Philosophy and Psychology

Honor Societies

Phi Sigma Tau (The International Honor Society for Philosophy)
Phi Kappa Phi

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