

PATRICK GRIM

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Department of Philosophy
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Specializations

Philosophical Logic, Philosophical Computer Modeling (Agent-Based Modeling, Artificial Societies, and Evolutionary Game Theory), Ethics, Contemporary Metaphysics, Philosophy of Religion, Philosophy of Science

Positions

SUNY at Stony Brook:
Distinguished teaching Professor, 2001 -
Full Professor, 1994-
Associate Professor, 1985-1994
Assistant Professor, 1978-1985
Visiting Assistant Professor, 1976-1977
Washington University, St. Louis: Mellon Faculty Fellow, 1977-1978

Honors and Research Positions

Marshall Weinberg Distinguished Visiting Professor, University of Michigan, Ann Arbor, 2006
Visiting Fellow, Center for Philosophy of Science, University of Pittsburgh, 2007
Visiting Scholar, Center for Study of Complex Systems, University of Michigan, Ann Arbor, 2005
SUNY Distinguished Teaching Professor, 2001
Academy of Teachers/Scholars, SUNY Stony Brook, 1996
Chancellor's Award for Excellence in Teaching, SUNY system, 1988
President's Award for Excellence in Teaching, Stony Brook, 1988
University Research Award, Stony Brook, 1980
Mellon Faculty Fellow, Washington University, 1977-1978
Fulbright Fellow, 1970-1971
Highest Honors in Anthropology and Philosophy, 1971, University of California at Santa Cruz

Education

Ph.D., philosophy, 1976, Boston University
A.M., philosophy, 1976, Boston University
B.Phil., philosophy, 1975, University of St. Andrews, Scotland
A.B., philosophy and anthropology, 1971, University of California at Santa Cruz

Books

The Philosophical Computer: Exploratory Essays in Philosophical Computer Modeling.
With Gary Mar, Paul St. Denis, and the Group for Logic & Formal Semantics. MIT Press, 1998.

The Incomplete Universe: Totality, Knowledge, and Truth. MIT Press, 1991.

The Philosopher's Annual, Volumes I through XXV. Founding co-editor. Basil Blackwell, Rowman and Littlefield, Ridgeview Press, CSLI and Univ. of Chicago Press, 1979-2004. Bibliographical details on p. 11.

Philosophy of Science and the Occult. Editor. SUNY Press, 1st edition 1982, 2nd edition 1991.

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Lecture Series

Questions of Value. 24 lectures in ethics and value theory. Released in audio, video, DVD and printed transcript. The Teaching Company, Chantilly VA, 2004.

Philosophy of Mind: Brains, Thinking Machines, and the Mysteries of Consciousness. 24 lectures on interdisciplinary issues in philosophy of mind, psychology, and neuroscience. Forthcoming in audio, video, DVD and printed transcript. The Teaching company, Chantilly VA 2008.

Articles

Philosophical Logic

"Plenum Theory" (with Nicholas Rescher), forthcoming in **Noûs**.

"The Buried Quantifier: An Account of Vagueness and the Sorites," **Analysis** 65 (2005), 95-104.

"Self-Reference, Chaos, and Fuzzy Logic," in Zhong Li, Wolfgang A. Halang, and Guanrong Chen, **Integration of Fuzzy Logic and Chaos Theory**, Springer-Verlag 2005. An adaptation of "Self-Reference and Chaos in Fuzzy Logic," below.

"What is a Contradiction?" Graham Priest, JC Beall, and B. Armour-Garb, **The Law of Non-Contradiction: New Philosophical Essays**, Oxford Univ. Press. 2005, pp. 49-72.

"Fractal Images of Formal Systems" (with Paul St. Denis), **Journal of Philosophical Logic** 26 (1997), 181-222. Reviewed in Ian Stewart, "Logic Quasi-Fractals: A Fractal Guide to Tic-Tac-Toe," **Scientific American** 283 (2), August 2000.

"Self-Reference and Chaos in Fuzzy Logic," **IEEE Transactions on Fuzzy Systems** 1 (1993), 237-253.

"Self-Reference and Paradox in Two and Three Dimensions," (with Gary Mar, Matt Neiger, and Paul St. Denis), **Computers and Graphics** 17 (1993), 609-612.

"Operators in the Paradox of the Knower," **Synthese** 94 (1993), 409-428.

"Pattern and Chaos: New Images in the Semantics of Paradox," (with Gary Mar), **Noûs** 25 (1991), 659-694. Reviewed in Ian Stewart, "A Partially True Story," **Scientific American** 268 (2), February 1993.

"Truth, Omniscience, and the Knower," **Philosophical Studies** 54 (1988), 9-41.

"Logic and Limits of Knowledge and Truth," **Noûs** 22 (1988), 341-367. Reprinted in Michael Martin and Rick Monnier, **The Impossibility of God**. Amherst, New York: Prometheus Books, 2003, 381-407.

Computational Modeling and Game Theory

"A Graphic Measure for Game-Theoretic Robustness," (with Randy Au, Nancy Louie, Robert Rosenberger, William Braynen, Evan Selinger, and Robb Eason), forthcoming in **Synthese**.

"Concrete Images for Abstract Questions: A Philosophical View," forthcoming in Timothy Engström and Evan Selinger, **Rethinking Theories and Practices of Imaging**, Pennsylvania State University Press.

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- "Environmental Variability and the Emergence of Meaning: Simulational Studies across Imitation, Genetic Algorithms, and Neural Nets. " In Angelo Loula, Ricardo Gudwin and Jao Queiroz (Eds), **Artificial Cognition Systems**, Idea Group Inc., 2006, pp. 284-326.
- "Game-Theoretic Robustness in Cooperation and Prejudice Reduction: A Graphic Measure" (with Randy Au, Nancy Louie, Robert Rosenberger, William Braynen, Evan Selinger, and Robb E. Eason), in **Artificial Life X: Proceedings of the Tenth International Conference on the Simulation and Synthesis of Living Systems**. Luis M. Rocha, Larry S. Yaeger, Mark A. Bedau, Dario Floreano, Robert L. Goldstone, and Allesandro Vespignani, eds. MIT Press, 2006, 445-451.
- "Location, Location, Location: The Importance of Spatialization in Modeling Cooperation and Communication, " (with Stephanie Wardach and Vincent Beltrani) **Interaction Studies: Social Behavior and Communication in Biological and Artificial Systems** 7 (2006), 43-78.
- "Modeling Prejudice Reduction: Spatialized Game Theory and the Contact Hypothesis" (with Evan Selinger, William Braynen, Robert Rosenberger, Randy Au, Nancy Louie, and John Connolly). **Public Affairs Quarterly** 19 (2005), 95-126.
- "Making Meaning Happen" (with Trina Kokalis, Ali Alai-Tafti, Nick Kilb, and Paul St. Denis), **Journal for Experimental and Theoretical Artificial Intelligence** 16 (2004), 209-244.
- "Reducing Prejudice: A Spatialized Game-Theoretic Model for the Contact Hypothesis, " (with Evan Selinger, William Braynen, Robert Rosenberger, Randy Au, Nancy Louie, and John Connolly),), in **Artificial Life IX: Proceedings of the Ninth International Conference on Artificial Life**, ed. Jordan Pollack, Mark Bedau, Phil Husbands, Takashi Ikegami, and Richard A. Watson. Cambridge: MIT Press, 2004, 244-250.
- "Boom and Bust: Environmental Variability Favors the Emergence of Communication, " (with Trina Kokalis), in **Artificial Life IX: Proceedings of the Ninth International Conference on Artificial Life**, ed. Jordan Pollack, Mark Bedau, Phil Husbands, Takashi Ikegami, and Richard A. Watson. Cambridge: MIT Press, 2004, 164-170.
- "Information and Meaning: Use-Based Models in Arrays of Neural Nets," (with Paul St. Denis and Trina Kokalis), **Minds and Machines** 14 (2004), 43-66.
- "Computational Modeling as a Philosophical Methodology," in **The Blackwell Guide to Philosophy of Information and Computing**, ed. Luciano Floridi. Oxford: Blackwell, 2004, pp. 337-349.
- "Learning to Communicate: The Emergence of Signaling in Spatialized Arrays of Neural Nets" (with Paul St. Denis and Trina Kokalis), **Adaptive Behavior** 10 (2003), 45-70.
- "Philosophy for Computers: Some Explorations in Philosophical Modeling," in James H. Moor and Terrel Ward Bynum, eds., **Cyberphilosophy**, Blackwell 2002. Also appeared as below.
- "Philosophy for Computers: Some Explorations in Computer Modeling," **Metaphilosophy** 33 (2002), 181-209. Special Issue CyberPhilosophy: The Intersection of Philosophy and Computing, ed. by James H. Moor and Terrel Ward Bynum.
- "Evolution of Communication with a Spatialized Genetic Algorithm," (with Trina Kokalis, Ali Tafti, and Nicholas Kilb), **Evolution of Communication** 3 (2001), 105-134
- "Evolution of Communication in Perfect and Imperfect Worlds" (with Trina Kokalis, Ali Tafti, and

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Nicholas Kilb), **World Futures: The Journal of General Evolution** 56 (2000), 179-197.

"Undecidability in the Spatialized Prisoner's Dilemma," **Theory and Decision** 42 (1997), 53-80.

"Spatialization and Greater Generosity in the Stochastic Prisoner's Dilemma," **BioSystems** 37 (1996), 3-17.

"The Greater Generosity of the Spatialized Prisoner's Dilemma," **Journal of Theoretical Biology** 173 (1995), 353-359.

Contemporary Metaphysics

"Worlds by Supervenience," **Analysis** 57 (1997), 146-151.

"On Situations and The World: A Problem for Barwise and Etchemendy," (with Gary Mar), **Analysis** 49 (1989), 143-148.

"On Sets and Worlds: A Reply to Menzel," **Analysis** 46 (1986), 186-191.

"There Is No Set Of All Truths," **Analysis** 44 (1984), 206-208.

"Taking Sorites Arguments Seriously: Some Hidden Costs," **Philosophia** 14 (1984), 251-272.

"Is This a Swizzle Stick I See Before Me?," **Analysis** 43 (1983), 164-166.

"What Won't Escape Sorites Arguments," **Analysis** 42 (1982), 38-43. See also W.R. Abbott, "A Note on Grim's Sorites Argument," **Analysis**, 43 (1983), 161-164.

Philosophy of Religion

"Impossibility Arguments," in Michael Martin, ed., **The Cambridge Companion to Atheism**, Cambridge University Press 2006, 199-215.

"The Being That Knew Too Much," **International Journal for Philosophy of Religion** 47 (2000), 141-154. Reprinted in Michael Martin and Rick Monnier, **The Impossibility of God**. Amherst, New York: Prometheus Books, 2003, pp. 408-422.

"Truth, Omniscience, and Cantorian Arguments: an Exchange," (with Alvin Plantinga), **Philosophical Studies** 71 (1993), 267-306.

"On Omniscience and a 'Set of all Truths': A Reply to Bringsjord," **Analysis** 50 (1990), 271-276.

"Against Omniscience: The Case from Essential Indexicals," **Noûs** 19 (1985), 151-180. Reprinted in Michael Martin and Rick Monnier, **The Impossibility of God**. Amherst, New York: Prometheus Books, 2003, pp. 349-378.

"Gremlin's Revenge," **Philosophical Studies** (Eire), 30 (1984), 165-169.

"Reply to Brecher," **Philosophical Studies** (Eire), 30 (1984), 171-175.

"Some Neglected Problems of Omniscience," **American Philosophical Quarterly** 20 (1983), 265-276.

"Against a Deontic Argument for God's Existence," **Analysis** 42 (1982), 171-174.

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- "In Behalf of 'In Behalf of the Fool,'" **International Journal for Philosophy of Religion** 42 (1982), 33-42.
- "Plantinga, Hartshorne, and the Ontological Argument," **Sophia** 20 (1981), 12-16.
- "Plantinga's God and Other Monstrosities," **Religious Studies** 15 (1979), 91-97. Also appeared as "Plantinga's God," **Sophia**, 18 (1980), 35-41.

Ethics

- "Free Will in Context," **Behavioral Science and the Law** 25 (2007), 183-201.
- "Physician-Assisted Suicide: Sketching an Ethical Argument," **Contexts: A Forum for the Medical Humanities**, Institute for Medicine in Contemporary Society, SUNY at Stony Brook, vol. 4, no. 5 (1996), pp. 10-12 .
- "Sex and Social Roles: How to Deal with the Data," reprinted in **Rethinking Masculinity**. Ed. Larry May. Lanham, Rowman, and Littlefield, 1992. Revised version in second edition, 1996.
- "Meaning, Morality, and the Moral Sciences," **Philosophical Studies** (USA), 43 (1983), 397-408.
- "Sex and Social Roles: How to Deal with the Data," in '**Masculinity, 'Femininity,' and 'Androgyny': A Modern Philosophical Discussion**. Ed. Mary Vetterling-Braggin. Littlefield and Adams, 1982, pp. 128-147.
- "Sports and Two Androgynisms," **Journal of the Philosophy of Sport** 8 (1981), 64-68.
- "A Note on the Ethics of Theories of Truth," in **Sexist Language: A Modern Philosophical Approach**. Ed. Mary Vetterling-Braggin. Littlefield and Adams, 1981, pp. 290-298.
- "Sexist Speech: Two Basic Questions," in **Sexist Language: A Modern Philosophical Approach**. Ed. Mary Vetterling-Braggin. Littlefield and Adams, 1981, pp. 34-51.
- "The 'Right' to a Fair Trial," **Journal of Libertarian Studies** 2 (1978), 115-120.
- "Sexism and Semantics," in **Feminism and Philosophy**. Ed. Frederick Elliston, Jane English, and Mary Vetterling-Braggin. Littlefield and Adams, 1977, pp. 109-116.

Philosophy of Science

- "Paranormal Knowledge," in Jonathan Dancy and Ernest Sosa, eds., **A Companion to Epistemology**, Basil Blackwell, 1992.
- "Scientific and Other Values," in **Philosophy of Science and the Occult**. Ed. Patrick Grim. SUNY Press. First edition 1982, second edition 1991.
- "Technology and Arbitrary Decisions," **Public Affairs Quarterly** 1 (1987), 43-58.
- "Psi and the Rosenthal Effect," reprinted in **Readings in the Philosophical Problems of Parapsychology**. Ed. Antony Flew. Prometheus Press, 1987. A revised version of "Psi Phenomena and the Rosenthal Effect," below.
- "Psi Phenomena and the Rosenthal Effect," **New Ideas in Psychology** 2 (1984), 35-45.

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"Reply to Rosenthal and Beloff," **New Ideas in Psychology** 2 (1984), 171-175.

"On the Separation of Church and Lab: Science, Values, and Religion," **National Forum** 64 (1983), 10-11, 20.

"Further Notes on Functions," **Analysis** 37 (1977), 169-176.

"Wright on Functions," **Analysis** 35 (1974), 62-64

Research Reports

"A Graphic Measure for Game-Theoretic Robustness" (with Randy Au, Nancy Louie, Robert Rosenberger, Will Braynen, Evan Selinger, and Robb E. Eason). Research Report #05-01, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"Modeling Prejudice Reduction: Spatialized Game Theory and the Contact Hypothesis" (with Evan Selinger, William Braynen, Robert Rosenberger, Randy Au, Nancy Louie, and John Connelly). Research Report #04-02, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"Boom and Bust: Environmental Variability and the Emergence of Communication" (with Trina Kokalis) Research Report #04-01, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"A Game-Theoretic Model for the Contact Hypothesis" (with Evan Selinger, William Braynen, Robert Rosenberger, Randy Au, Nancy Louie, and John Connelly). Research Report #03-03, Group for Logic and Formal Semantics, SUNY at Stony Brook

"Location, Location, Location: The Importance of Spatialization in Modeling Cooperation and Communication" (with Stephanie Wardach and Vincent Beltrani), Research Report #03-01, Group for Logic and Formal Semantics, SUNY at Stony Brook

"Making Meaning Happen" (with Trina Kokalis, Ali Alai-Tafti, Nicholas Kilb, and Paul St. Denis), Research Report #01-02, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"Learning to Communicate: The Emergence of Signaling in Spatialized Arrays of Neural Nets" (with Paul St. Denis and Trina Kokalis) Research Report #01-01, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"Evolution of Communication with a Spatialized Genetic Algorithm" (with Trina Kokalis, Ali Tafti, and Nicholas Kilb) Research Report #00-01, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"Evolution of Communication in Perfect and Imperfect Worlds" (with Trina Kokalis, Ali Tafti, and Nicholas Kilb) Research Report #99-01, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"Fractal Images of Formal Systems" (with Paul St. Denis) Research Report #95-01, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"Chaos, Fractals, and the Semantics of Paradox," (original text with with Gary Mar) Research Report #94-05i, an interactive form of Research Report #91-01, distributed in diskette form of a diskette with hypertext and activated .exe files, Group for Logic and Formal Semantics, SUNY Stony Brook.

"Undecidability in the Spatialized Prisoner's Dilemma: Some Philosophical Implications," Research

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Report #94-04i, distributed in the form of an interactive diskette with hypertext and activated .exe files, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"An NP-Complete Question Regarding the Spatialized Prisoner's Dilemma," Research Report #94-03, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"Computation and Undecidability in the Spatialized Prisoner's Dilemma," Research Report #94-02, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"The Undecidability of the Spatialized Prisoner's Dilemma," Research Report #94-01, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"The Evolution of (Greater) Generosity in the Spatialized Prisoner's Dilemma," Research Report #93-04, Group for Logic and Formal Semantics, SUNY at Stony Brook.

"Self-Reference and Chaos in Fuzzy Logic," Research Report #92-01, Group for Logic and Formal Semantics, SUNY Stony Brook.

"Chaos, Fractals, and the Semantics of Paradox," (with Gary Mar) Research Report #91-01, Group for Logic and Formal Semantics, SUNY Stony Brook.

Mixed Media

"Philosophical Robotics," DVD made for North American Computing and Philosophy conference, Oregon State University, August 2005.

"Robot Olympics Spring 2005 PHI 353." Student-made DVD of robotics projects in PHI 353 Philosophy of Mind, May 2005.

Auxiliary software for "Robustness in a Model of Prejudice Reduction," Santa Fe Institute working group on Social Dynamics. CDRom, April 2005

Auxiliary software for "Computational Imaging for Philosophical Research," Herbert A. Simon keynote address, North American Computing and Philosophy conference, Carnegie Mellon, August 2004.

"Smartbots and the Philosophy of Mind." Student-made DVD of robotics projects in PHI 353 Philosophy of Mind, May 2004.

"Prejudice Reduction in Artificial Societies: A Computational Model for the Contact Hypothesis." Operating programs on CD-Rom, December 2003.

"Philosophical Robots: Philosophy and Computers PHI 365." DVD of robotics projects in PHI 365 Philosophy and Computers, with introduction, December 2003.

"How to Tell Science from Pseudo-Science: The Falsifiability Criterion," audio and videotape of lecture for the Teaching Company, January 2004.

"The Emergence of Communication: Some Models for Meaning" (with Trina Kokalis, Ali Alai-Tafti, Nick Kilb, and Paul St. Denis), CD-ROM of paper presentation with illustrations and animations, produced in cooperation with the Center for Excellence in Teaching and Learning, SUNY at Stony Brook, 2001.

"Fractals, Chaos, and the Semantics of Paradox," (with Gary Mar), videotape presentation produced in

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cooperation with United Artists Cable at Brookhaven, June-September 1991.

CD-ROM of full text with color illustration and animations for **The Philosophical Computer: Exploratory Essays in Philosophical Computer Modeling**, distributed in a pre-publication version. Forms of chapters 1, 3, and 6 also developed and distributed as interactive diskettes. Introduction and chapter one developed in hypertext with JAVA applets for the web.

Reviews, Commentaries, and Abstracts

Abstract for "What Kind of Science is Simulation?, " with Robb Eason, Rob Rosenberger, Trina Kokalis, and Evan Selinger. North **American Computing and Philosophy** conference, Rensselaer Polytechnic Institute, August 2006.

Abstract for "The Social Emergence of Communication in Spatialized Arrays of Neural Nets," written with Paul St. Denis and Trina Kokalis. **CogSci2003: 25th Annual Meeting of the Cognitive Science Society**.

Abstract for "Making Meaning Happen: Computational Models for Meaning as Use," written with Trina Kokalis, Ali Alai-Tafti, Nicholas Kilb, and Paul St. Denis. **Proceedings and Addresses of the American Philosophical Association** 76 (2003), 78-79.

"The Basic Questions: What is Reinforced? What is Selected?," commentary on Howard Rachlin, "Altruism and Selfishness," **Behavioral and Brain Sciences** 25 (2002), 261.

Review of Mircea Reghis and Eugene Roventa, *Classical and Fuzzy Concepts in Mathematical Logic and Applications*, **Studia Logica** 68 (2001), 416-419.

Review of Hung T. Nguyen and Elbert A. Walker, *A First Course in Fuzzy Logic*, **Studia Logica** 63 (1999), 439-441.

Review of Jon Barwise and John Etchemendy, *Language, Proof, and Logic*, **Bulletin of Symbolic Logic** 7 (2001), 377-379.

Review of Graham Priest, *Beyond the Limits of Thought*, **Philosophy and Phenomenological Research**, 58 (1998), 719-723.

Review of Keith Simmons, *Universality and the Liar*, **Philosophical Review** 104 (1995), 467-469.

Critical Study of James E. Tomberlin, ed., *Philosophical Perspectives 5: Philosophy of Religion*, **Noûs** 28 (1994), 405-422.

Abstract for "Limitative Results in Formal Modeling and Their Philosophical Implications: The Example of Undecidability in the Spatialized Prisoner's Dilemma," **Proceedings of the IEEE International Conference on Neural Networks, IEEE World Congress on Computational Intelligence**, 1994, Vol. 4, 2174.

"Notes on Evidence and Externalism: A Response to Woodhouse," **New Ideas in Psychology**, 12 (1994), 23-26.

Co-editor and contributing author (with N. Martin and M. Bisticas-Cocoves), Philosophy section, **Barron's Student's Concise Encyclopedia**, Barron's Educational, 1993.

Abstract for "Paradox, Randomness, and Chaotic Dynamical Semantics," (with Gary Mar), **Journal of**

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Symbolic Logic, 57 (1992), 369.

Abstract for "Paradox and Chaotic Dynamical Semantics," (with Gary Mar), **Journal of Symbolic Logic**, 57 (1992), 358.

Review of Stephen Braude, *The Limits of Influence*, **Noûs**, 23 (1989), 126-136.

Review of E.J. Echeverria, *Criticism and Commitment: Major Themes in Contemporary 'Post Critical' Philosophy*, **Review of Metaphysics**.

"Theories and Magicians," a review of Daniel Lawrence O'Keefe, *Stolen Lightning: The Social Theory of Magic*, **Crosscurrents**, 26 (1983), 93-95.

Review of Eliseo Vivas, *Two Roads to Ignorance*, **Review of Metaphysics**, 34 (1983), 953-954.

Commentary on Ron Westrum, "Crypto-Science and Social Intelligence About Anomalies," **Zetetic Scholar**, 10 (1982), 107-108.

"Science Under Siege," a review of Philip Slater, *The Wayward Gate*, **Crosscurrents**, 27 (1978), 485-7.

"Matters of Life and Death," reviews of Peter Steinfels and Robert M. Veatch, eds., *Death Inside and Out: The Hastings Center Report*, and Robert M. Veatch, *Death, Dying, and the Biological Revolution*, **Crosscurrents**, 26 (1977), 458-502.

Abstract of "Human Differences: How to Deal with the Data," in **Human Rights: Abstracts of Papers from the Tenth Interamerican Congress of Philosophy**.

Abstracts for refereed articles above appear in **The Philosopher's Index** and some in **Mathematical Abstracts**. Abstracts of published books appear in **The Monist** and **The Philosopher's Index**.

Presentations

"The Emergence of Gricean Constraints: Lessons from Simulation," invited lecture scheduled for Games and Decisions in Pragmatics III, the Center for General Linguistics, Berlin, November 2007.

"Simulating Prejudice Reduction: the Robustness of a Simple Model," scheduled for the Graduate School of Public Health, University of Pittsburgh, November 2007.

"Network Structure in Cooperation, Communication, and Epistemology," Center for Philosophy of Science, University of Pittsburgh, September 2007.

"Tangled Webs: Network Structure in Cooperation, Communication, and Epistemology," Invited Graduate Student Recruitment talk, Department of History and Philosophy of Science, University of California at Irvine, April 2007.

"Simulating Grice: Maximization in Communication Networks," Symposium in Game Theory and Pragmatics," Central APA, Chicago, April 2007.

"Tangled Webs: Network Structure in Cooperation, Communication, and Epistemology," The Weinberg Lecture, University of Michigan, December 2006.

Program Director, North American Computing and Philosophy conference, Rensselaer Polytechnic Institute, August 2006.

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"What Kind of Science is Simulation?, " with Robb Eason, Rob Rosenberger, Trina Kokalis, and Evan Selinger. North American Computing and Philosophy conference, Rensselaer Polytechnic Institute, August 2006.

"Game-Theoretic Robustness in Cooperation and prejudice Reduction: A Graphic Measure, " with Randy Au, Nancy Louie, Robert Rosenberger, William Braynen, Evan Selinger, and Robb E. Eason. Poster presentation, ALife X, Bloomington, Indiana, June 2006.

"The Roots of Meaning, " School of Computer Science, University of St. Andrews, March 2006.

"The Authority of Experts, the Efficiency of Markets, the Wisdom of Crowds, " Technoscience Seminar, Stony Brook, February 2006

"The Roots of Meaning: Emergence of Signaling by Imitation, with Localized Genetic Algorithms, and in Arrays of Neural Nets, " Center for Study of Complex Systems, University of Michigan, November 2005.

Program director, North American Computing and Philosophy conference, University of Oregon, August 2005.

"Lego Mindstorms as a Teaching Tool." with John Sullins and Selmer Bringsjord. North American Computing and Philosophy conference, University of Oregon, August 2005.

Research for "A Computer-Instantiated Model of Social Psychological Research in Prejudice Reduction," presented by Robert Rosenberger, North American Computing and Philosophy conference, University of Oregon, August 2005. Research with Evan Selinger, Robert Rosenberger, William Braynen, Randy Au, Nancy Louie, Harry Groover, Shawn Smith, and John Connolly.

"Robustness in a Model of Prejudice Reduction, " Santa Fe Institute working group on Social Dynamics, April 2005

"Computational Imaging for Philosophical Research, " Herbert A. Simon Keynote Address, Computing and Philosophy Conference, Carnegie Mellon University, August 2004.

"Reducing Prejudice: A Spatialized Game-Theoretic Model for the Contact Hypothesis, " written with Evan Selinger, Robert Rosenberger, William Braynen, Randy Au, Nancy Louie, and John Connolly, ALIFE9, Boston, September 2004.

"Boom and Bust: Environmental Variability Favors the Emergence of Communication, " with Trina Kokalis. Poster presentation, ALIFE9, Boston, September 2004.

"Smartbots, " a presentation of robots used in PHI 365 Philosophy of Computers and PHI 353 Philosophy of Mind, with Stuart Fishkin. Conference on Instructional Technologies, Stony Brook, May 2004.

"Concrete Images for Abstract Concepts: A Philosophical View," for Rethinking Theories and Practices of Imaging: Technology, Representation, and the Disciplines, Rochester Institute of Technology, April 2004.

"Philosophical Modeling and Robotics: Examples and Reflections," special session arranged and chaired for the APA Committee on Philosophy and Computers, American Philosophical Association, Eastern Division, Washington D. C., December 2003.

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- "Prejudice Reduction in Artificial Societies: A Computational Model for the Contact Hypothesis," Society for Machines and Mentality, American Philosophical Association, Eastern Division, December 2003. Written with Evan Selinger, Robert Rosenberger, Will Braynen, Randy Au, Nancy Louie, and John Connolly.
- "The Origins of Meaning: Hints from Large Arrays of Neural Nets," Society for Machines and Mentality, American Philosophical Association, Eastern Division, December 2003. Written with Paul St. Denis and Trina Kokalis.
- "Knowledge, Omniscience, and Essential Indexicals: Some Further Thoughts," Disproof Atheism Society, Boston University, July 2003.
- "The Social Emergence of Communication in Spatialized Arrays of Neural Nets," CogSci2003, 25th Annual Meeting of the Cognitive Science Society, Boston, July 2003. Written with Paul St. Denis and Trina Kokalis.
- "Meaning as Use: Emergence of Communication in Arrays of Imitators and Neural Nets," 1st International Computing and Philosophy Conference, University of Glasgow, Scotland, March 2003. Written with Trina Kokalis, Ali Alai-Tafti, Nick Kilb, and Paul St. Denis.
- "Making Meaning Happen: Computational Models for Meaning as Use," American Philosophical Association, April 2003. Written with Trina Kokalis, Ali Alai-Tafti, Nicholas Kilb and Paul St. Denis.
- "Meaning as Use: Computational Models for the Social Emergence of Communication," Frontiers of Cognitive Science Series, Rensselaer Polytechnic Institute, February 2003. Written with Trina Kokalis, Ali Alai-Tafti, Nick Kilb, and Paul St. Denis.
- "Meaning as Use: Computational Models for the Social Emergence of Communication," William Patterson University, Philosophy Colloquium, April 2002. Written with Trina Kokalis, Ali Alai-Tafti, Nick Kilb, and Paul St. Denis.
- "The Emergence of Communication: Some Models for Meaning," 16th Annual Computing and Philosophy Conference, Carnegie Mellon, August 2001. With Trina Kokalis, Nicholas Kilb, Ali Alai-Tafti, and Paul St. Denis.
- "Chaos in the Human Realm," Symposium on Chaos Theory, APA Eastern Division meetings, December 2000.
- "The Philosophical Computer," APA Special Session on Computer Modeling of Reason and Emotion, Washington D.C., December 1998.
- "A Fairly Happy Fuzzy Face," the Vagueness Group, CUNY Graduate Center, May 1997.
- "Unprepared Thoughts on Ethical Theory," Stony Brook Faculty Colloquium, February 1996.
- "Explorations in Philosophical Computation: Some Examples" (with Gary Mar), CUNY Graduate Center Philosophy Colloquium, November 1995.
- "The Past and Future History of Philosophy,@ Commencement Address, Dept. of Philosophy, May 1995.
- "Limitative Results in Formal Modelling and Their Philosophical Implications: The Example of Undecidability in the Spatialized Prisoner's Dilemma," IEEE World Congress on Computational

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Intelligence, Orlando, June 1994.

"Fractals, Chaos, and Paradox," (with Gary Mar), Stony Brook Philosophy Colloquium, April, 1991.

"Paradox, Randomness, and Chaotic Dynamical Semantics," (with Gary Mar), Association for Symbolic Logic meetings, San Francisco, Calif., March 1991.

"Paradox and Chaotic Dynamical Semantics," (with Gary Mar), Association for Symbolic Logic meetings, Carnegie-Melon Univ., February, 1991.

"Chaos and Fractals in the Semantics of Paradox," (with Gary Mar), NYU Philosophy Colloquium, December, 1990.

"The Chaotic Liar: New Images in the Semantics of Paradox," (with Gary Mar), SUNY Stony Brook Non-linear Dynamics Group, November 1990.

"The Chaotic Liar: an Introduction to Dynamical Semantics" (with Gary Mar), City University of New York Graduate Center, Seminar in Applications of Logic, November 1990.

Reply to Keith Simmons, "On An Argument Against Omniscience," American Philosophical Association, New Orleans, April 1989.

"Propositional Quantification in the Incomplete Universe," City University of New York Graduate Center, Philosophy Colloquium, November, 1989.

"There Is No Set Of All Truths," Stony Brook Philosophy Colloquium, December 1985.

"A Handful of Paradoxes," Stony Brook Philosophy Department, November 1985.

"Psi and the Rosenthal Effect," American Philosophical Association, Eastern Division, Society for the Philosophical Study of the Paranormal, 1982.

"On the Separation of Church and Lab," State University of New York at Plattsburgh, 1982.

"Against Omniscience: The Case from Essential Indexicals," North Carolina State University at Raleigh, 1982.

"Human Differences: How to Deal with the Data," Tenth Interamerican Congress of Philosophy, on Human Rights, 1981.

"Some Notes on Paradoxes," Lehigh University, 1981.

"Our Methods in Their Madness," Long Island Philosophical Association, 1980

"In Behalf of 'In Behalf of the Fool'," Wheaton College Philosophy Conference on the work of Alvin Plantinga, 1980. Replied to in Clement Dore, "On the Foolishness of the Fool: a Reply to Professor Grim."

"In Defense of Theoretical Ethics," Long Island Philosophical Society, 1980.

"An Argument Against an Argument Against the Right to be Killed," Washington University, 1977.

"Getting Around the 'Is/Ought Gap'," Rochester Institute of Technology, 1977.

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"Ethics and Therapy," Long Island Philosophical Society, 1976.

"Breaking the Silence: On New Views of Sex and Death," SUNY Stony Brook, 1976.

"The Facts About Value Judgments," presented at Dickinson College, Stockton State College, and St. Cloud University, 1976.

Graduate and Undergraduate Teaching

Symbolic Logic, Advanced Symbolic Logic, Logical and Critical Reasoning
Computation and Consciousness, Philosophy and Computers, Philosophy of Mind
Philosophy of Law
Philosophy of Science, Philosophy of the Social Sciences
Theoretical Ethics, Ethical Inquiry, Moral Reasoning, Biomedical Ethics

Curriculum and Program Development

Director, Logic Lab
Group for Logic & Formal Semantics, 1991-
Group for Logic & Formal Semantics, research reports series, 1991-
Introduction of MindStorms robotics into Philosophy and Computers, Philosophy of Mind, 2003
Undergraduate Research Tracks in Philosophy, instituted 1996, SUNY Stony Brook
Undergraduate Research Track in Philosophical Logic, director, 1996-1999
Graduate Research Initiative grant, for development of the Logic Lab, 1994
Undergraduate Director, repeatedly
Faculty rotation through 100-level courses, developed as Undergraduate Director, 1991

Professional Organizations and Service

APA Committee on Philosophy and Computers
Steering Committee, International Association for Computers and Philosophy
Program Director, North American Computing and Philosophy conference, University of Oregon, August 2005
Program Director, North American Computing and Philosophy conference, Rensselaer Polytechnic Institute, August 2006
Associate, Behavioral and Brain Sciences
Cognitive Science Society
Artificial Life Society
Society for Mentality and Machines
International Association for Philosophy of Law

Reviewer for: NSF

Social Sciences and Research Council of Canada
Oxford University Press
MIT Press
Temple University Press
Macmillan Publishing Company
State University of New York Press
Barron's Educational Series
Garland Publishing
Noûs
Synthese
Philosophical Studies
Journal of Philosophical Logic
Notre Dame Journal of Formal Logic

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American Philosophical Quarterly
New Ideas in Psychology
Dialogue
Idealistic Studies
BioSystems
Speculations in Science and Technology
Journal of Approximate Reasoning
IEEE Transactions on Fuzzy Systems
IEEE Transactions on Neural Networks
Fuzzy Sets and Systems
Theory and Decision
International Journal of General Systems
Foundations of the Formal Sciences
Journal of Theoretical Biology
Complexity
Complexity International
Australasian Journal of Philosophy
Philosophy and Phenomenological Research
Sophia
Discourse Processes
Studia Logica
Metaphilosophy
The Monist
Economics and Philosophy
Behavioral and Brain Sciences
Artificial Life
Philosophy of Science
British Journal for the Philosophy of Science
Philosophy of Science Association

Consulting

LSAT, analytic section, question writing through LOGICAT
Applied Biomathematics Inc.

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The Philosopher's Annual, Volume I. Co-edited with David L. Boyer and John T. Sanders. Basil Blackwell and Rowman and Littlefield, 1979.

The Philosopher's Annual, Volume II. Co-edited with David L. Boyer and John T. Sanders. Basil Blackwell and Rowman and Littlefield, 1980.

The Philosopher's Annual, Volume III. Co-edited with David L. Boyer and John T. Sanders. Ridgeview Press, 1981

The Philosopher's Annual, Volume IV. Co-edited with David L. Boyer and John T. Sanders. Ridgeview Press, 1982.

The Philosopher's Annual, Volume V. Co-edited with David L. Boyer and John T. Sanders. Ridgeview Press, 1984.

The Philosopher's Annual, Volume VI. Co-edited with Patricia Athay and Christopher J. Martin.

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Ridgeview Press, 1985.

The Philosopher's Annual, Volume VII. Co-edited with Christopher J. Martin and Michael A. Simon. Ridgeview Press, 1986.

The Philosopher's Annual, Volume VII. Co-edited with Patricia Athay and Christopher J. Martin. Ridgeview Press, 1987.

The Philosopher's Annual, Volume IX. Co-edited with Patricia Athay and Michael A. Simon. Ridgeview Press, 1988.

The Philosopher's Annual, Volume X. Co-edited with Gary Mar and Michael A. Simon. Ridgeview Press, 1989.

The Philosopher's Annual, Volume XI. Co-edited with Gary Mar and Peter Williams. Ridgeview Press, 1990.

The Philosopher's Annual, Volume XII. Co-edited with Gary Mar and Peter Williams. Ridgeview Press, 1991.

The Philosopher's Annual, Volume XIII. Co-edited with Gary Mar and Peter Williams. Ridgeview Press, 1992.

The Philosopher's Annual, Volume XIV. Co-edited with Peter Ludlow and Gary Mar. Ridgeview Press, 1993.

The Philosopher's Annual, Volume XV. Co-edited with Gary Mar and Peter Williams. Ridgeview Press, 1994.

The Philosopher's Annual, Volume XVI. Co-edited with Gary Mar and Peter Williams. Ridgeview Press, 1995.

The Philosopher's Annual, Volume XVII. Co-edited with Gary Mar and Peter Williams. Ridgeview Press, 1996.

The Philosopher's Annual, Volume XVIII. Co-edited with Gary Mar, Peter Ludlow, and Peter Williams. Ridgeview Press, 1997.

The Philosopher's Annual, Volume XIX. Co-edited with Gary Mar and Ken Baynes. Ridgeview Press, 1998.

The Philosopher's Annual, Volume XX. Co-edited with Gary Mar and Ken Baynes. Ridgeview Press, 1999.

The Philosopher's Annual, Volume XXI. Co-edited with Ken Baynes, Peter Ludlow, and Gary Mar. Ridgeview Press, 2000.

The Philosopher's Annual, Volume XXII. Co-edited with Ken Baynes and Gary Mar. CSLI/Univ. of Chicago Press, 2001.

The Philosopher's Annual, Volume XXIII. Co-edited with Peter Ludlow, Ken Baynes and Gary Mar. CSLI/Univ. of Chicago Press, 2002.

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The Philosopher's Annual, Volume XXV. Co-edited with Peter Ludlow, Ken Baynes and Gary Mar. On line.