

JOHN F. SYMONS

Department of Philosophy, Worrell Hall 306, University of Texas at El Paso, 500 West University Avenue, El Paso, TX 79968, USA
jsymons@utep.edu

Personal

Citizen of Ireland, Permanent Resident of the United States of America
Born: London, United Kingdom, January 18, 1972.

Education

2002 Ph.D. Boston University, Department of Philosophy
Dissertation: "Computational Theories of Vision and the Problem of Explanation in Neuroscience"
1994 B.A. Connecticut College

Scholarships, honors and awards

1990-1994 McCurdy-Salsbury Scholarship
1993 Suzanne K. Langer Award
1994 Oakes and Louise Ames Prize for best undergraduate thesis at Connecticut College
1997 Machette Prize for best graduate student paper of 1996-97, Boston University
1997 Peter Bertocci Scholarship, Boston University
1997-1998 Junior Fellowship, Institut für die Wissenschaften vom Menschen, Vienna
1998 Humanities Foundation Award, Boston University
1998-1999 Dibner Predoctoral Fellowship, Massachusetts Institute of Technology
2002-2003 University of Texas, University Research Institute Award
2005 Large Classes Academy Stipend. Center for Excellence in Teaching and Learning
2009-2010 John Templeton Foundation Research Award (\$60,124)

Academic positions

2001-2007 Assistant Professor, University of Texas at El Paso
2005 Visiting Instructor, Peking University
2007- Associate Professor, University of Texas at El Paso

Publications

Books

On Dennett, (Belmont CA: Wadsworth, 2001).

- Translated into Slovak by Juraj Hvorecky as *Dennett* (Bratislava: Albert Marenčin 2004)
- Translated into French by Mathieu Aury with additional chapters on Quinean naturalism as *Dennett: Un naturalisme en chantier*. (Paris: Presses Universitaire de France, 2005)

Novelty: Laws, Models and Emergent Properties in Science (in preparation)

Edited volumes

- *Questions, Quantifiers and Quantum Physics: Essays on the Philosophy of Jaakko Hintikka*. Co-edited with Dan Kolak (New York: Springer, 2004)
- *Logic, Epistemology and the Unity of Science*. Co-edited with Jean Paul van Bendegem, Dov Gabbay and Shahid Rahman (Dordrecht: Kluwer, 2004)
- *Formal Philosophy*. Co-edited with Vincent Hendricks (London: Automatic Press, 2005)
- *Masses of Formal Philosophy*. Co-edited with Vincent Hendricks (London: Automatic Press, 2006)

- *Routledge Companion to the Philosophy of Psychology*. Co-edited with Paco Calvo (New York: Routledge, 2009)
- *Philosophy and Foundations of Physics*. Co-edited with Juan Ferret (London: Automatic Press, forthcoming)
- *Otto Neurath and the Unity of Science*. Co-edited with Olga Pombo (New York: Springer forthcoming)
- *Daniel Dennett: Critical Assessments of Leading Philosophers* (New York: Routledge forthcoming)

Journal special issues edited

- *Social Structures in Communication Networks* a special issue of *International Journal of Agent Systems and Technologies* (With Jorge Louca) 1(4) [2009]

Journal articles

- "Explanation, Representation and the Dynamical Hypothesis" *Minds and Machines* 11: 521-541, 2001
- "What can Neuroscience Explain?" *Brain and Mind* 2: 243-248, 2001
- "Emergence and Reflexive Downward Causation" *Principia* 6: 14-39, 2002
 - Translated by Gil Costa Santos in *Manuscrito* (forthcoming)
- "Information, Representation, and the Dynamic Systems Approach to Language: Commentary on Shanker and King", *Behavioral and Brain Sciences* 25 640-641, 2002
- "Systems of visual identification in neuroscience: Lessons from epistemic logic." With Jaakko Hintikka *Philosophy of Science* 70: 89-104, 2003
 - Reprinted in Hintikka, J. *Socratic Epistemology: Explorations of Knowledge-Seeking by Questioning*. Cambridge: Cambridge University Press. 2007
- "Where's the Bridge? Epistemic logic and epistemology" (with Vincent Hendricks) *Philosophical Studies* 128:137-167, 2006
- "Towards a General Description of Physical Invariance in Category Theory" (with Vladik Kreinovich and Julio Urenda) *Journal of Uncertain Systems* 1: 170-175, 2007
- "Intuition and Philosophical Methodology" *Axiomathes* 18: 67-89, 2008
- "Computational Models of Emergent Properties" *Minds and Machines* 18, 4: 475-491, 2008
 - Reprinted in Nigel Gilbert (ed) *Computational Social Science*. London: Sage publications
- "A Computational Modeling Strategy for Levels" *Philosophy of Science* 75, 608-620. 2008
- Quine, Barcan-Marcus and Kripke on Modality *Southwest Philosophical Studies* (forthcoming)
- "Functionalism and Fallibility" *Southwest Philosophical Studies* (forthcoming)
- "The Individuality of Organisms and Artifacts" *History and Philosophy of the Life Sciences* (forthcoming)
- 'Game Theoretical Semantics as the Basis of a General Logic' (with Jaakko Hintikka) Under Review

Technical reports and papers published in proceedings

- "Wittgenstein's Descriptions", in G. Dorn ed., *Proceedings of the 20th Annual International Wittgenstein Symposium* 949-950, 1997
- "Applications de la logique; quelques remarques sur l'influence réciproque des recherches expérimentales et théoriques sur l'identification" in *Problèmes ouverts en épistémologie: Connaissance et rationalité*. UNESCO: Paris 2: 31-56, 2005
- "Pattern-oriented analysis of communication flow: the case study of Cicada barbara lusitanica." *21st European Conference on Modelling and Simulation - ECMS 2007*, Prague, Czech Republic. (with Louçã, J, Rodrigues, D., Morais, A.)
- "Detecting Emergence in the Interplay of Networks" *Interplay of Networks*, in Goran P. Trajkovski and Samuel G. Collins (eds.) (2008) *Emergent Agents and Socialities: Social and Organizational Aspects of Intelligence*. AAAI Technical Report FS-07-04. (Menlo Park, California: The AAAI Press). 86-93 (with J. Louçã, D. Rodrigues, and A. Morais)

Book chapters

- "Logic, Epistemology and the Unity of Science: An Encyclopedic Project in the Spirit of Diderot and Neurath" With Shahid Rahman in *Logic, Epistemology and the Unity of Science*. Dordrecht: Kluwer Academic Publishers: 4-36, 2003
- "The Results are in: On the scope and import of Hintikka's philosophy", (With Daniel Kolak) in *Questions, Quantifiers and Quantum Physics*. New York: Springer 190-258, 2004
- "Understanding the Complexity of Information Processing Tasks in Vision." In Carlos Gershenson, Diederik Aerts, and Bruce Edmonds (eds.) *Philosophy and Complexity: Essays on Epistemology, Evolution, and Emergence*. Singapore: World Scientific 300-314, 2007
- "Inquiry and Functionalism" in Cédric Dégremon, Laurent Kieff and Helge Rückert (eds.) *Dialogues, Logic and Other Strange Things; Essays in Honour of Shahid Rahman*. London: College Publications 385-393, 2008
- "Jack Haddox's Philosophy of Biology" in Julius Simon ed. *The Philosophy of Jack Haddox* Edwin Mellen Press ##-## (forthcoming)
- "A Sketch of the Methodology and History of Ontology in the Analytic Tradition" in *Theories and Applications of Ontology* Vol. 1 Seibt and Poli (eds.) New York: Springer (forthcoming)

Long encyclopedia entries and handbook / companion chapters

- "Epistemic Logic" (with Vincent Hendricks) in *The Stanford Encyclopedia of Philosophy* 2006 (revised version 2009)
- "Supervenience" in *The Encyclopedic Reference of Neuroscience*. New York: Springer, 2008
- "What has Philosophy of Psychology Become?" *Routledge Companion to Philosophy of Psychology*. John Symons and Paco Calvo (eds.) New York: Routledge xxi-xxiv, 2009
- "Logic and Formal Semantics for Epistemology" in *Routledge Companion to Epistemology*. Duncan Pritchard and Sven Bernecker (eds) New York: Routledge. (forthcoming)
- "Formal Methods in Philosophy of Mind, Psychology and Cognitive Science" in *Handbook of Formal Philosophy* Sven Ove Hansen (ed.) Springer (forthcoming)

Short encyclopedia entries

- "Model Theory", "Ontology" and "Epistemic Logic" for *The Encyclopedic Reference of Neuroscience* Springer (2009)

Book reviews

- "Review of Christian Delacampagne's A History of Philosophy in the Twentieth Century" in Connecticut College Magazine, 33-43, Winter 2000
- "Review of Jean Gayon, *Darwinism's Struggle for Survival: Heredity and the Hypothesis of Natural Selection*" *International Journal of Philosophical Studies* 9 (1), 90-94, 2001
- "Review of Steven Wolfram, *A New Kind of Science*", *International Journal of Philosophical Studies* 12 (4) 504-508, 2004
- "Review of Giandomenico Sica (ed.) *What is Category Theory?*" *Studia Logica* 89 (2) 285-289, 2008
- "Review of Yoav Shoham and Kevin Leyton-Brown *Multiagent Systems - Algorithmic, Game-Theoretic, and Logical Foundations*" Cambridge University Press *International Journal of Agent Technologies and Systems* 1 (4) 68-70, 2009

Translation

- "An International Encyclopedia of Unified Science' a translation of Otto Neurath's 'Une Encyclopédie Internationale de la Science Unitaire" (1935) (with Ramon Alvarado) in Shahid Rahman and John Symons (eds.) *Logic Epistemology and the Unity of Science* 17-23 2004

Popular press

- "No Mere Formality: On Why Formal Philosophy Matters" (with Vincent Hendricks) *The Philosophers' Magazine* 3rd quarter 35-38, 2006 (published in 2007)

Editorials in *Synthese*

- 136: 1-2, 2003
- 138: v-vii, 2004
- 148: 1-3, 2006 (with Johan van Benthem and Vincent Hendricks)
- 154: 1-3, 2007 (with Johan van Benthem and Vincent Hendricks)
- 159: 1-4, 2008 (with Johan van Benthem and Vincent Hendricks)

Editorials elsewhere

- 'Introducing *Synthese: An International Journal for Epistemology, Methodology and Philosophy of Science.*' *Chinese Social Sciences Today* (with Johan van Benthem and Vincent Hendricks) (forthcoming)

Presentations

'Imagining the Thinking Thing; on the role of Imagination in Descartes' Meditations'

- Twentieth World Congress of Philosophy, Boston MA (August 16, 1998)

'Explanation in Neuroscience: Complex Systems and Cognition'

- Second International Conference on Complex Systems, Nashua NH (October 29, 1998)

'Emergentism and Levels-Talk'

- Department of Philosophy, Connecticut College, New London (February 18, 1999)

'Levels of Explanation in the Brain Sciences'

- Center for Theoretical Studies, Charles University, Prague. (October 10, 1997)
- Boston Colloquium for the Philosophy and History of Science, Boston (November 17, 1999)

'Prosthetic eyes, plastic brains and the taste of beer'

- Department of Philosophy, University of Texas, El Paso (March 14, 2001)
- Clark University, Worcester (March 2, 2001)

'Structure-function problems: emergent properties in physics and biology.'

- International Society for the Philosophy History and Social Study of Biology, New Haven. (July 19, 2001)

'Epistemic Logic: Implications for the Neuroscience of the Visual System.'

- IHPST seminar, Paris (February 12 2002)
- Université de Lille- Séminaire Interdisciplinaire (February 13, 2002)

'Marr's Computational Functionalism'

- Boston Colloquium for the Philosophy and History of Science (March 25 2002)

- '...for whom the quale inverts'
 - Philosophy Department Colloquium, New Mexico State University (September 25, 2002)
- 'What's an Emergentist Explanation?'
 - Colloque franco-finlandais de philosophie des sciences, Institut Finlandais, Paris (March 15, 2003)
- 'Functionalism factored out: Functionalist metaphysics and the research program of cognitive science'
 - Brazilian International Conference on Cognitive Science, Sao Paulo (August 22, 2003)
 - Department of Philosophy, University of Cincinnati (January 16, 2004)
 - Department of Philosophy, Brandeis University (March 18, 2004)
 - 2004-5 *Phi Sigma Tau* Distinguished Lecture Series "Minds, Brains and Knowledge" Hartwick College, Oneonta, New York (November 12, 2004)
 - Philosophy Colloquium, Roskilde University, Roskilde (December 5, 2004)
- 'Kripke and Hintikka on Identity and Identification'
 - *Problèmes ouverts en épistémologie / Open Problems in Epistemology*, UNESCO Paris (November 20, 2003)
- 'Computational physics and the logic of emergence'
 - *Department of Physics Colloquium*, University of Texas at El Paso (February 4, 2004)
 - CNRS conference on emergence, Ecole Normale Supérieure, Paris (April 27, 2004)
- 'Kim's objections to emergence'
 - *Dynamic Ontology 2004*, Trento University (September 10, 2004)
- 'Hintikka on quantifier dependency'
 - APA Eastern Division, Special session in honor of Jaakko Hintikka, Boston (December 28, 2004)
- 'Emergence and Individuation'
 - New Mexico-West Texas Philosophical Society, El Paso (April 14, 2005)
 - Department of Foreign Philosophy, Peking University (May 21, 2005)
 - IIP meeting / Department of Philosophy, UNAM Mexico City (August 26th, 2005)
 - *Karl Popper Seminar Series*, Department of Philosophy, London School of Economics, London (November 22, 2005)
- 'Intuitive Content: Kripke and Common Sense'
 - New Mexico/West Texas Philosophical Association, Las Cruces (April 8, 2006)
- 'Emergence and Explanation'
 - Department of Philosophy Colloquium, University College Dublin (July 7, 2006)
 - Lisbon Colloquium for the Philosophy of Science, Lisbon (October 27, 2006)
- 'Cellular Automata as Models of Nature'
 - Philosophy of Science Association Biennial Meeting, Vancouver (Presented by Philippe Huneman in my absence) (November 2, 2006)
- 'Dispositional Properties and Simple Structures'
 - Philosophy Department Colloquium, Roskilde University, Roskilde (December 15, 2006)
- 'Limiting Skepticism'
 - Tri-City Philosophical Society, El Paso (March 17, 2005) (with Vincent Hendricks)
 - Philosophy and History of Science Seminar, Bristol University Department of Philosophy. (Presented by Vincent Hendricks) (January 30, 2007)
- 'Jack Haddox and the Philosophy of Biology'

- *Jack Haddox: Celebrating 50 years of Philosophy at UTEP*. University of Texas at El Paso (March 3, 2007)
- 'Inquiry and Minimal Functionalism'
- New Mexico- West Texas Philosophical Association, Austin (March 31, 2007)
 - Society for Exact Philosophy, Vancouver (May 17, 2007)
- 'Modal logic, category theory and metaphysics'
- Mathematics Department Colloquium, New Mexico State University, Las Cruces NM. (May 3, 2007)
- 'Pattern-Oriented Analysis of Communication Flow'
- 21st European Conference on Modelling and Simulation, Prague (June 5, 2007) [Presented by Jorge Louca]
- 'Emergence in Social Networks : Modeling the Properties of Multi-Agent Systems'
- Complexity Sciences: Mathematics and Innovation Arrabida, Portugal. (July 4, 2007)
 - The Fourth Conference of the European Social Simulation Association, Toulouse (September 10-14, 2007) [Presented by Jorge Louca]
- 'Detecting Emergence in the Interplay of Networks'
- UACJ, Juarez (September 22, 2007)
 - Levels of Reality Conference, Bolzano (October 18, 2007)
 - Emergent Agents and Socialities: Social and Organizational Aspects of Intelligence, Association for the Advancement of Artificial Intelligence, Washington D.C. (November 8-11, 2007)
- 'Models of Emergence'
- ICC Workshop on Complexity in Social Systems, Lisbon (Keynote Speaker) (January 11, 2008)
- 'Collective agency and sampling; the benefits of sortition'
- Seminario Permanente sobre Dominación en la Organización, UACJ, Juarez (April 25, 2008)
- 'Identity, Cross Identification and the Attitudes'
- 76^e Congrès de l'Acfas (Association francophone pour le savoir), Québec City (May 9, 2008)
- 'Pain and Embodiment'
- Philosophy department colloquium, New Mexico State University, Las Cruces NM. (December 4, 2007)
 - New Mexico-West Texas Philosophical Society (April 7, 2008)
 - NEUPHI: Boston University/MIT Philosophy of Neuroscience Colloquium (April 18, 2008)
 - Week of the Humanities. Keynote. UACH, Chihuahua. (October 11, 2008)
 - Departmental Colloquium, University of Nevada, Las Vegas (May 8, 2009)
- 'Do petabyte level resources make any qualitative difference to scientific inquiry?'
- Physics department colloquium, University of Texas at El Paso (September 10, 2008)
 - Joint Fall 2008 Meeting of the Texas and Four Corner Sections of APS, AAPT, and Zones 13 and 16 of SPS, and the Societies of Hispanic & Black Physicists (With Vladik Kreinovich and John McClure) (October 17, 2008)
- 'Fission and the identity of individual organisms'
- Philosophical and historical perspectives on the organism, Sorbonne, Paris (December 13, 2008)
 - Centro de Filosofia das Ciências da Universidade de Lisboa (CFCUL) Colloquium (January 12, 2009)
 - Presidential Address, New Mexico-West Texas Philosophical Society, Houston (March 22, 2009)
- 'An introduction to information theoretic measures of emergence'

- Lisbon University Institute, PhD program in complexity. (July 4, 2009)
- 'Emergence in the physical and social sciences' Arrabida <http://www.assystcomplexity.eu/video.jsp?id=13> (July 7, 2009)

'What are complexity and emergence? Some reflections on entropy and individuation in toy worlds.'

- University of Sydney, Department of Philosophy Colloquium. (August 5, 2009)

'Network dynamics and computational models of emergence'

- University of Pittsburgh, Center for Philosophy of Science 'Emergence and Reduction in the Sciences' (December 12, 2009)
- University of Lisbon, Faculty of Sciences, Department of History and Philosophy of Science (January 18, 2010)
- Lehigh University, Department of Philosophy Colloquium, (February 12, 2010)

Commentaries

- Response to Peter Swiggart 'Skepticism at Harvard: The Quinean Tradition.' David Hall Memorial Lecture Series, University of Texas at El Paso (April 5, 2002)
- 'Georgalis on Intentional Objects in psychological explanation' Southern Society for Philosophy of Psychology, New Orleans (April 9, 2004)
- 'Polger on Multiple Realizability' APA Central Division Meeting Chicago (April 29, 2005)
- 'Cesarz on Leibniz, McTaggart and Broad' APA Eastern Division Meeting, New York (December 27, 2005)
- 'Comments on J-P Vessel's "Defending a Possibilist Insight in Consequentialist Thought"' New Mexico – West Texas Philosophical Association (April 7, 2006)
- 'Comments on Bill Springer's "Aristotle on Substantial Change"' Departmental Colloquium, University of Texas at El Paso (November 11, 2008)
- 'Comments on Susanna Badiola's "Necessity and the apriori"' New Mexico West Texas Philosophical Society (March 26, 2010)

Presentations on teaching and learning

- 'Evaluating Interdisciplinary Student Work.' Sun Conference on Teaching and Learning, El Paso (March 9, 2002)
- 'Some advice on preparing your work for publication' 3rd Annual Graduate Student Conference in Philosophy, History of Ideas and History of Science. The Institute of Philosophy and Religious Studies, The University of Southern Denmark – Odense (December 3, 2004)
- 'Big science, hyper-specialization and interdisciplinarity' Minority Access to Research Careers Seminar, University of Texas at El Paso (April 21, 2005)
- 'Arguing with 400 people: philosophy in the age of mass education' 2006 International SUN Conference on Teaching and Learning, El Paso (March 3, 2006)
- 'Maintaining High Intellectual Standards in Very Large Classes' Center for Excellence in Teaching and Learning, UTEP, *Large Class Academy* (August 9, 2006)
- 'Majoring in Philosophy at UTEP' Presentation to College of Liberal Arts advising group, UTEP (October 13, 2006)
- 'Applying to Graduate Programs in Philosophy'
 - Workshop for UTEP Philosophy Students (April 11, 2007)
 - Workshop for UTEP Philosophy Students (May 5, 2008)
- 'Pedagogy and content in teaching the history of 19th century mathematics in the secondary education geometry curriculum' With Marie De Billie and Olga Kosheleva. Third International College of Education Summer Research symposium *Cruzando Fronteras*, El Paso TX (June 18-19, 2007)
- 'Teaching Large Introductory Courses Effectively: Collaborating with teaching assistants, incorporating technology and developing team-based learning.' With Juan Ferret. Workshop presentation for the Center for Excellence in Teaching and Learning, UTEP (April 25, 2008)

- 'Helping our students to think skillfully: Evaluating evidence, justifying arguments, reasoning about risks, and understanding relationships' CETAL enhanced Student Learning workshop 4, UTEP (November 9, 2009)

Service to the profession, the university, and the community

Professional associations and offices

- American Philosophical Association (2001-present)
 - Committee on International Cooperation (2010-2013)
- Philosophy of Science Association (2001-)
- New Mexico-West Texas Philosophical Association (2003-)
 - Vice President (2007-2008)
 - President (2008-2009)
- Permanent Member, Institut Internationale de Philosophie (2004-)
- Associate Member, Institut d'Histoires et de Philosophie des Sciences et des Techniques (2005-2007)

Editorships

2002- present	Editor-in-chief, <i>Synthese</i>
2002-present	Editor-in-chief, <i>Synthese Library Book Series</i>
2004-present	Editor-in-chief, <i>Logic, Epistemology and the Unity of Science Book Series</i>
2005-present	Co-editor <i>Texts in Philosophy</i> (Book Series) Kings College Publications

Editorial boards

2007-present	Editorial board member <i>International Journal of Agent Technologies and Systems</i>
2008-present	Editorial board member <i>PhiBook: The Yearbook of Philosophical Logic</i>
2009-present	Editorial board member <i>Kairos: A Journal of Philosophy & Science</i>
2010-present	Editorial board member <i>Logos and Episteme: An International Journal of Epistemology</i>
2010-present	Editorial board member <i>Oxford Online Bibliographies in Philosophy. Oxford University Press</i>

Conference organization

- Program Committee Member, *Complexity, Science and Society Conference: Session on Philosophy and Complexity*. Liverpool (11-14 September 2005)
- Organizing Committee Member and Program Committee Member *(Anti-)Realism: Logic and Metaphysics*. University of Nancy 2 June 28-July 1st, 2006
- Organizing Committee Member and Program Committee Member, *Neurath's Legacy: New Directions in the Unity of Science Conference*. Lisbon (2-4 October 2006)
- Organizing Committee Member *Jack Haddox: Celebrating 50 years of philosophy at UTEP*. University of Texas at El Paso, March 2-4, 2007
- Program Committee Member, *The Classical Model of Science; The Axiomatic Method, the Order of Concepts and the Hierarchy of Sciences*, Vrije Universiteit Amsterdam, January 11th-13th, 2007.
- Organizer, *Between Logic and Intuition: On the Philosophy of David Lewis*, Carlsberg Academy, Copenhagen, October 10-13 2007
- Organizer, *New Mexico-West Texas Philosophical Society Annual Meeting*, UTEP, El Paso Texas April 11-14, 2008.
- Co-Chair *New Mexico-West Texas Philosophical Society Student Colloquium*, Houston, March 27-28, 2009

Referee service

Journals

Axiomathes, Ecological Complexity, International Journal for Agent Technologies and Systems, Notre Dame Journal of Formal Logic, Pragmatics and Cognition, Southwest Philosophical Studies, Studia Logica, Studia Philosophica Estonica, Synthese, Theoria

Publishers

College Publications, Kluwer, McGraw-Hill, Oxford University Press, Routledge, Springer

Conferences

- Referee for *History of Early Analytic Philosophy Society* (HEAPS) Meeting with the Central Division of the American Philosophical Association (2004, 2007)
- Referee for *David Lewis: Between Logic and Intuition* Copenhagen (October 2007)
- Referee for *Complexity in Social Science*, Lisbon (January 2008)
- Referee for European Complex Systems Society (philosophy of science) (September 2010)
- Referee for *New Mexico-West Texas Philosophical Society Annual Meeting*
 - El Paso Texas (April 2008)
 - Houston Texas (March 2009)
 - Abilene Texas (March 2010)

Program evaluation / external evaluator

- Referee/Evaluator, Agência Fundação de Amparo à Pesquisa do Estado de São Paulo (2003)
- External Program Evaluator, Danish Research Training Council (February 2006)
- External Evaluator, University of Idaho Excellence in Research and Creative Activity Committee (December 2007)
- Member of the Scientific Committee (Comissão Científica do Mestrado) for the MSc. Degree in Complexity Science, ISCTE, Lisbon. (2007-present)
- External Referee, Hong Kong Research Grants Council (Two Grant Proposals, January 2009)

Institutional service at UTEP

2001-present	Graduate / Law School Placement Advisor, Philosophy Department
2002-2003	Hiring committee (tenure track position), Philosophy department
2002-2003	Senate Information Technology Committee
2003-2006	Vice-Chairman, Faculty Senate Information Technology Committee
2004-2008	Undergraduate Advisor
2005	Masters Degree Proposal Committee
2006	Ad-hoc hiring committee member (administrative position), Philosophy department
2007-2008	Hiring committee (tenure track position), Philosophy department
2008-2010	Director of Graduate Studies, Department of Philosophy
2008-present	Faculty Senate Representative Philosophy Department
2009	Tenure Review Committee, Philosophy Department
2009	Tenure and Promotion Committee, College of Liberal Arts.

Service to the community

2009-present Board of Directors, *Forum Arts and Culture*, www.forumac.org El Paso, Texas

2008-2009	Board of Directors and Secretary, <i>Las Americas Immigrant Advocacy Center</i> , www.las-americas.org El Paso, Texas
2002-2008	Advisory Board, <i>Las Americas Immigrant Advocacy Center</i> , www.las-americas.org El Paso, Texas
2007	Guest Columnist <i>El Paso Times</i>
2004-present	Advisory Board, <i>The Center for Naturalism</i> , www.naturalism.org Somerville, Massachusetts

Masters degree theses supervised

- Craig Cummings, *Medieval Epistemology and the Rise of Mechanism*. Defended Fall 2003 (Second Reader – MAIS)
- Gabriela Duran *Hearing and Reading Two languages Simultaneously*. Defended Fall 2005 (Third Reader, Department of Psychology)
- Daniel Flores, *Memes*. Defended Fall 2006 (First Reader - MAIS)
- Elizabeth Pando, *Neural Plasticity and Philosophy of Mind*. Defended Spring 2007 (First Reader - MAIS)
- Mary Katherine McMullin, *Wrestling Power: George Herbert's Struggle for Spiritual Union*. Spring 2008 (Second Reader – English)
- Geoff Abruzzi, *3Screenplays* Defended Fall 2008 (Third Reader – Bilingual MFA)
- Cláudia de Nóbrega Moita Quelhas Ribeiro, *Unobservable electrons and invisible stars: The problem of scientific realism: Bas C. van Fraassen versus Alan Musgrave* (second reader) Department of History and Philosophy of Science, University of Lisbon. (June 29, 2009)
- Marie De Billie (in progress)
- Gareth Fuller (in progress)

Doctoral theses supervised

- Erich Rast, *Reference and Indexicality* Fall 2006 (Assessment Committee Member/Opponent, Department of Philosophy, Roskilde University)
- Gabriela Duran, *The Influence of Prefrontal Cortex and Top-Down Processing on Object Recognition* Summer 2009 (Committee Member, Psychology)
- Craig Cummings, *Historiography and the Scientific Revolution* (Second reader, Department of History) (In progress)
- Eugenia Shekter, *An Analysis of Decision Making in Public Policy Surrounding Heavy Metals Contamination* (Second Reader, Environmental Science) (In progress)

Post-doctoral supervision

Gil Costa Santos. *Emergence, mechanism and non-linearity*. Center for Philosophy of Science, University of Lisbon.

Teaching experience

(at UTEP unless otherwise noted)

Introductory Level

Introduction to Philosophy, Logic

Upper Division

Modern Philosophy, 19th Century Philosophy, 20th Century Philosophy, American Philosophy, Environmental Ethics (Boston University) Philosophy of Mind (Boston University and UTEP) Minds and Machines (Emerson College), Animals (Emerson College), Philosophy of Psychology, Metaphysics, Philosophy of Science, Great Philosophers: Quine, Great Philosophers: Kripke

Graduate Seminars

Philosophy of Biology, Vision, Emergence (Peking University and UTEP) Philosophical Methods, Proseminar 1:
Research and Writing

Workshops

Modal Logic Summer Workshop (for local faculty and graduate students) 2006

Large Class Academy (UTEP) 2007, 2008

Lisbon Institute (ISCTE) Winter School in Complexity 2008, 2009, 2010