

Education

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| 2002 | Boston University | Ph.D. Philosophy Dissertation: <i>Computational Theories of Vision and The Problem of Explanation in Neuroscience</i> (Advisor: Jaakko Hintikka) |
| 1998-1999 | MIT | Pre-doctoral Fellow Dibner Institute for the History of Science and Technology |
| 1994 | Connecticut College | B.A. Philosophy and Asian Studies |

Academic Appointments

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| 2012 - Present | University of Kansas | Professor, Department of Philosophy Chair, Department of Philosophy (2012-2017) Chair, Department of Economics (2021- 2022) Director, Center for Cyber Social Dynamics (2022-) |
| 2008 - Present | Université Panthéon-Sorbonne | Membre Associé, Institut d'Histoires et de Philosophie des Sciences et des Techniques |
| 2014 - Present | Lisbon University Institute | External Faculty, Department of Information Science and Technology, LUI/ISCTE Doctoral Program in Complexity Science |
| 2002 - 2012 | University of Texas at El Paso | Assistant Professor (2002-2006) Associate Professor (2006-2012) Chair, Department of Philosophy (2008-2012) |

PublicationsBooks and Edited Volumes

- *Software and Certainty* (With Jack Horner) under review
- *Cyber Ethics: A Philosophical Inquiry* (With Ramón Alvarado) (Under contract with Routledge forthcoming in 2023)
- *History and Philosophy of Materialism* Co-edited with Charles Wolfe (Under contract with Routledge forthcoming in 2023)
- *Formal Reasoning: A Guide to Critical Thinking* (Dubuque: Kendall Hunt, 2017) *Second Edition* (London: College Publications, 2023) [Open Access]
- *The Architecture of Cognition: Rethinking Fodor and Pylyshyn's Systematicity Challenge* Co-edited with Paco Calvo (Cambridge: MIT press 2014)
- *Daniel Dennett: Critical Assessments of Leading Philosophers* (New York: Routledge 2014)
- *Special Sciences and the Unity of Science* Co-edited with Olga Pombo, Shahid Rahman, and Juan Manuel Torres (New York: Springer 2012)
- *Philosophy of Physics; 5+1 Questions*. Co-edited with Juan Ferret (Automatic Press, 2010)
- *Otto Neurath and the Unity of Science*. Co-edited with Olga Pombo (New York: Springer 2010)
- *Routledge Companion to the Philosophy of Psychology*. Co-edited with Paco Calvo (New York: Routledge, 2009) Expanded Second Edition. Co-edited with Sarah Robins (2019)
- *Masses of Formal Philosophy*. Co-edited with Vincent Hendricks (Automatic Press, 2006)
- *Formal Philosophy*. Co-edited with Vincent Hendricks (Automatic Press, 2005)
- *Dennett: Un Naturalisme en Chantier*. (Paris: Presses Universitaire de France, 2005) (This is an extended version of *On Dennett* 2002)

- *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)
- *On Dennett*, (Belmont CA: Wadsworth, 2002). Translated into Slovak by Juraj Hvorecky as *Dennett* (Bratislava: Albert Marenin 2004)

Articles and Book Chapters

“What is the Ethics of Artificial Intelligence?” *Journal of Moral Philosophy* (invited)

“Resilient Institutions and Social Norms: Some Notes on Ongoing Theoretical and Empirical Research.” *Merrill Series on The Research Mission of Public Universities* (forthcoming)

“Explaining the Virtue of Consistency” *Filosofia Maravilhosa: Journal of the Brazilian Academy of Philosophy* (forthcoming) Preprint: <https://www.johnsymons.net/wp-content/uploads/2021/03/The-Virtue-of-Consistency-revised-March.pdf>

Reconciling Ontic Structural Realism and Ontological Emergence. *Foundations of Science* (2022). <https://doi.org/10.1007/s10699-021-09828-8> (with Cordovil, J.L., Santos, G.C)

“Epistemic injustice and data science technologies.” *Synthese* 200, 87 (2022). <https://doi.org/10.1007/s11229-022-03631-z> (with Alvarado, R.)

“How Deep is AI’s Love?” *Behavioral and Brain Sciences* (with Gillath, Abumusab, Ai, Branicky, Davison, Rulo, Thomas) (forthcoming)

“Conversation Stopper: Will the development of AI tools make us less intelligent” *Return* (July 2022) <https://return.life/2022/07/26/conversation-stopper/>

“Value judgments in a COVID-19 vaccination model: a case study in the need for public involvement in health-oriented modelling” (with Stephanie Harvard, Eric Winsberg, and Amin Adibi) *Social Science & Medicine* (2021) <https://doi.org/10.1016/j.socscimed.2021.114323>

“Millikan’s biological explanation of mental representation – a critical introduction” (With Marco Camacho) *Saudi Journal of Philosophical Studies* 1 (1), 195-201 (2021)

“Open-mindedness as a Corrective Virtue” (with Hassan Mohammed Alsharif) *Philosophy* 96, 1 73-97 (2021)

“What Have Google’s Random Quantum Circuit Simulation Experiments Demonstrated About Quantum Supremacy?” In: Arabia H.R., Deligiannidis L., Tinetti F.G., Tran QN. (eds) *Advances in Software Engineering. Transactions on Computational Science and Computational Intelligence*. Springer, Cham. https://doi.org/10.1007/978-3-030-70873-3_29 (With Jack Horner) (2021)

“Experimental Philosophy Within its Proper Bounds” *Inquiry* (2020).

“Software Engineering Standards for Epidemiological Modeling” (with Jack Horner) *History and Philosophy of the Life Sciences HPLS* 42, 54 (2020).

“Meaningfulness and Kinds of Normative Reasons.” *Philosophia* (2020).

“Resilience and technological diversity.” (With Amir Modarresi) *Journal of Ambient Intelligence and Humanized Computing* 11, 5825–5843(2020)

“Why there is no general solution to the problem of software verification” (with Jack Horner) *Foundations of Science*. 25, 541–557(2020)

“Modeling and Graph Analysis for Enhancing Resilience.” (With Amir Modarresi) 10th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN-2019).

“Modeling Technological Interdependency in IoT –A Multidimensional and Multilayer Network Model for Smart Environments” (With Amir Modarresi) 2019 11th International Workshop on Resilient Networks Design and Modeling (RNDM 2019)

“Should Physical Computation be Understood Mechanistically?” *APA Newsletter on Philosophy and Computers* (Winter 2019)

“Understanding error rates in software engineering: Conceptual, empirical, and experimental approaches” (With Jack Horner) *Philosophy and Technology* (2019) 32: 363. <https://doi.org/10.1007/s13347-019-00342-1>

“Epistemic entitlements and the practice of computer simulation” (with Ramón Alvarado) *Minds and Machines* (2019). <https://doi.org/10.1007/s11023-018-9487-0>

“Epistemic Logic” (with Rasmus Rendsvig) *Stanford Encyclopedia of Philosophy*

“Brute Facts About Emergence.” In Elly Vintiadis (ed) *Brute Facts*. Oxford: Oxford University Press (2018) pp.177-196

“Metaphysical and scientific approaches to emergence: Varieties of fundamentality and theoretical completeness” in Saurabh Mittal, Saikou Diallo, Andreas Tolk (eds.) *Emergent Behavior in Complex Systems Engineering: A Modeling and Simulation Approach* Wiley (2018) pp. 1-32

“Software Error as a Limit to Inquiry for Finite Agents: Challenges for the Post-human Scientist” (with Jack Horner) In T. Powers, ed. *Philosophy and Computing: Essays in Epistemology, Philosophy of Mind, Logic, and Ethics*. Springer. 2017 pp. 85-99

“Can we Trust Big Data? Applying Philosophy of Science to Software” (with Ramon Alvarado) *Big Data and Society*. July December 2016 pp.1-17

“Teleosemantics and Natural Information” In Luciano Floridi (ed) *Routledge Companion to Philosophy of Information* (2016) pp. 263-277.

“Physicalism, Scientific Respectability, and Strongly Emergent Properties.” In Tudorel Dima and Mihaela Luca (eds.) *Cognitive Sciences: An Interdisciplinary Approach*. Bucharest: Pro Universitaria (2015) pp. 14-37

“Software Intensive Science” (with Jack Horner) *Philosophy and Technology*, Volume 27, Issue 3, pp 461-477, 2014

“Reply to Angius and Primiero on Software Intensive Science” (with Jack Horner) *Philosophy and Technology* Volume 27, Issue 3, pp 491-494, 2014

“Computing with Bodies: Morphology, Function, and Computational Theory.” in Charles Wolfe (ed.) *Brain Theory: Essays in Critical Neurophilosophy* New York: Palgrave pp. 91-106, 2014

“The Emergence of Systematicity in Minimally Cognitive Agents” (with Paco Calvo and Emma Martin) in *The Architecture of Cognition: Rethinking Fodor and Pylyshyn’s Systematicity Challenge* Co-edited with Paco Calvo Cambridge: MIT press 397-434, 2014

“Systematicity: An Overview” (with Paco Calvo) in *The Architecture of Cognition: Rethinking Fodor and Pylyshyn’s Systematicity Challenge* Co-edited with Paco Calvo Cambridge: MIT press 3-30, 2014

“How computational models predict the behavior of complex systems” *Foundations of Science* (with Fabio Boschetti) *Foundations of Science* 18 (4), 809-821, 2013.

“Applying Logic: Some Remarks on the Reciprocal Influence of Experimental and Formal Investigations of Identification.” *Acta Philosophica Fennica*, 90, 99-111, 2013.

- "What is a Model, Why People Don't Trust Them, and Why They Should." (with Boschetti F, Fulton E.A.,Bradbury, R.H.) In *Negotiating Our Future: Living scenarios for Australia to 2050*, Vol 2. Australian Academy of Science 107-119, 2012
- "Beyond Error Correction" *Frontiers in Theoretical and Philosophical Psychology* doi: 10.3389/fpsyg.2012.00423 September, 2012 (with Paco Calvo and Emma Martin)
- "Thinking about Pain in Hell: Identifying Qualia Across Possible Worlds." *Southwest Philosophical Studies*. 32: 1-11 2012
- "Borders" (with Josiah Heyman) in *A Companion to Moral Anthropology*. Didier Fassin ed. Wiley-Blackwell 540-559, 2012
- "Limiting Skepticism" (with Vincent Hendricks) *Logos and Episteme* 2, 2 211-224, 2011
- "Six Questions on Complex Systems' *Numerical Analysis and Applied Mathematics ICNAAM 2011*1389, 956-958, 2011
- "Novel properties generated by interacting computational systems: A minimal model" (with Fabio Boschetti *Complex Systems* 20, 151-164, 2011
- "Logic and Formal Semantics for Epistemology" in *Routledge Companion to Epistemology*. Duncan Pritchard and Sven Bernecker (eds) New York: Routledge. 571-586, 2011
- "Ontology and Methodology in the Analytic Philosophy" in *Theories and Applications of Ontology Vol. 1* J. Seibt and R. Poli (eds.) New York: Springer. 349-394, 2010.
- "The Individuality of Organisms and Artifacts" *History and Philosophy of the Life Sciences* Vol. 32, no. 2-3, 233-47, 2010
- "Teleology in Biology: Haddox on the Basic Principles of the Living World" in *Thought and Social Engagement in the Mexican-american Philosophy of John H. Haddox: A Collection of Critical Appreciations*. Carlos Alberto Sanchez and J.Simon ed. Lewiston, New York: Edwin Mellen Press, 2010
- "Epistemic Logic' (with Vincent Hendricks) in *The Stanford Encyclopedia of Philosophy (Spring 2009 Edition)*, Edward N. Zalta (ed.), URL =<http://plato.stanford.edu/archives/spr2009/entries/logic-epistemic/>
- "Supervenience" in *The Encyclopedia of Neuroscience*. New York: Springer, vol. 19, 3901-3903, 2009
- "What has Philosophy of Psychology Become?" *Routledge Companion to Philosophy of Psychology*. John Symons and Paco Calvo (eds.) New York: Routledge xxi-xxiv, 2009
- "Inquiry and Functionalism" in Cédric Dégrement, Laurent Kieff and Helge Rückert (eds.) *Dialogues, Logic and Other Strange Things; Essays in Honour of Shahid Rahman*. London: College Publications 385-393, 2008
- "Intuition and Philosophical Methodology" *Axiomathes* 18: 67-89, 2008
- "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
- "Computational Models of Emergent Properties" *Minds and Machines* 18, 4: 475-491, 2008
- Reprinted in Nigel Gilbert (ed.) *Computational Social Science*. London: Sage publications 2010
- "A Computational Modeling Strategy for Levels" *Philosophy of Science* 75, 608-620. 2008
- "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
- "Towards a General Description of Physical Invariance in Category Theory" (with Vladik Kreinovich and Julio Urenda) *Journal of Uncertain Systems* 1: 170-175, 2007

"Pattern-oriented analysis of communication flow: the case study of *Cicada barbara lusitanica*." (with Louçã, J, Rodrigues, D., Morais, A.) *Proceedings of the 21st European Conference on Modelling and Simulation ECMS 2007*, Ivan Zelinka, Zuzana Oplatková, Alessandra Orsoni, ed. Prague: ECMS pp. 229-234, 2007

"Quine, Barcan-Marcus and Kripke on Modality" *Southwest Philosophical Studies* 29, 49-54, 2007

"No Mere Formality: On Why Formal Philosophy Matters" (with Vincent Hendricks) *The Philosophers' Magazine* 3rd quarter 35-3 8, 2007

"Where's the Bridge? Epistemic logic and epistemology" (with Vincent Hendricks) *Philosophical Studies* 128:137-167, 2006

"The Results are in: On the scope and import of Hintikka's philosophy", in *Questions, Quantifiers and Quantum Physics*. New York: Springer 190-258, 2004

"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

"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

"Emergence and Reflexive Downward Causation" *Principia* 6: 14-39, 2002

"Information, Representation, and the Dynamic Systems Approach to Language: Commentary on Shanker and King", *Behavioral and Brain Sciences* 25 640-641, 2002

"Explanation, Representation and the Dynamical Hypothesis" *Minds and Machines* 11: 521-541, 2001

"What can Neuroscience Explain?" *Brain and Mind* 2: 243-248, 2001

Book reviews

"Review of Giuseppe Primiero *On the Foundations of Computing*." *British Journal for the Philosophy of Science*
<https://www.thebsps.org/reviewofbooks/symons-abumusab-on-primiero/>

"Review of Yoav Shoham and Kevin Leyton-Brown *Multiagent Systems - Algorithmic, Game- Theoretic, and Logical Foundations*." *International Journal of Agent Technologies and Systems* 1 (4) 68-70, 2009

"Review of Giandomenico Sica (ed.) *What is Category Theory?*" *Studia Logica* 89 (2) 285-289, 2008

"Review of Steven Wolfram, *A New Kind of Science*", *International Journal of Philosophical Studies* 12 (4) 504-508, 2004

"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

Journal special issues edited

Between Logic and Intuition: The Philosophy of David Lewis, a special issue of *Synthese* March 2013

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

Presentations

How Deep is AI's love? Chatbots, Social Agency, and Close Personal Relationships
October 27, 2022 Southwestern College, Winfield Kansas, Invited Lecture.

Scientific Expertise in Highly Interdisciplinary Contexts
October 12, 2022 Romanian Committee for the Philosophy and History of Science and Technology (By Zoom)

Reflections on the Politics of Data Science Technologies and Epistemic Authority
September 22, 2022 Central European Digital Media Observatory Conference. Prague.

Computability Theory, Engineering, and the Idea of Mechanism from Pascal to Turing.
August 22, 2022 Zhejiang University Summer School Invited Lecture

Can AI Serve as an Attachment Figure (with Omri Gillath, Max Rulo, Michael Branicky, Gregory Thomas, Rob Davison, Alex Schoemann, Matthew Cook, and Ting Ai)
July 28, 2022 International Association for Relationship Research (IARR), via Zoom

When Does Explainability Matter? (with Ramon Alvarado)
July 22, 2022 International Association of Computing and Philosophy (IACAP) Santa Clara CA

Trusting Experts vs. Trustworthy Institutions: Comparing Vaccine Hesitancy and Confident Air Travel: Commentary on Richard Frohock
April 29, 2022 Central States Philosophical Association, Lincoln NE

Cultivating Normative Imagination
April 21, 2022 Spencer Museum of Art, Collective Entanglements

Epistemic Injustice, Social Standing, and Data Science Technologies
March 25, 2022 Carnegie Mellon University Department of Philosophy and School of Computer Science

Computational Implementation in Philosophy of Science and Philosophy of Mind: Commentary on Andre Curtis Trudel's Pluralist Theory of Implementation
January 6, 2022 Eastern Division APA

Epistocracy and Epistemic Democracy in Epidemiology
February 24, 2021 (by zoom) APA Central Division Meeting
May 20, 2021 (by zoom) Università di Bologna, "Philosophy and the Life Sciences on-line "Chats""
August 6, 2021 (by zoom) Zhejiang University, History and Philosophy of Science Colloquium.

Le naturalisme québécois: Je suis un objet physique assis dans un monde physique
March 5, 2021 (by zoom) Université de Toulouse, Philosophy Seminar

Commonsense and Consistency: Reasons to be Reasonable
November 19, 2020 (by zoom) Keynote Address to Scoala Internationala de Metodologie în Stiintele Socio-Umane Editia a IV-a - 2020 Universitatea de Stat din Moldova, Chisinau, Moldova
March 5, 2021 (by zoom) University of Kansas Philosophy Department Colloquium

Epistemic Injustice and Data Science: Identifying the Harms Particular to Data Science (with Ramón Alvarado)
Data Science Webinar, University of Oregon (September 17, 2020 - by zoom)
Hannover workshop (October 8 2021- by zoom)

Software engineering standards and philosophy of science: Models, high-risk decision making, and epistemic warrants (with Jack Horner)

Webinar@CFCUL, University of Lisbon (June 24, 2020 – by zoom)

Resilient Norms and Institutions in the Social Attack Surface

University of Illinois Computer Science (November 4, 2019)

Department of Philosophy, University of Lisbon (March 11, 2020)

Science of Security Virtual-Sync, National Security Agency (June 22, 2021)

Meaningfulness and the Capacity to Rank Kinds of Value

Wayne State University, Detroit. Philosophy Department Colloquium (December 5, 2019)

Kansas Workshop on Well-being (August 3, 2018)

Computing, Embodiment, and Value: Five Lectures on Physical Computation and Normativity, Overseas Distinguished Scholar Lectures Peking University, Beijing (October 9-18)

Computation in the Physical World

Computing with Bodies

The Role of the Theory of Computation in Philosophy of Mind

Computing with Natural Information

The Emergence of Minimal Cognition: Modality and Mind

Resilience and the Limitations of Graph Theoretical Network Analysis

Department of Computer Science Colloquium, Kansas State University (February 1, 2019)

HotSoS'19, Vanderbilt University (April 3rd 2019)

Summer Quarterly Lablet NSA meeting (July 9th 2019)

Resilience and Emergence

Social Ontology Workshop, St Louis University (October 13, 2018)

Challenges for Science in the 21st Century, Romanian Academy of Science (June 18, 2019 – By videoconference)

Mechanistic Approaches to Physical Computation

Eastern Division Meeting, American Philosophical Association (January 9, 2019)

Hintikka and Quine on Henkin Quantifiers (Plenary)

International Conference on Hintikka, Logic, and Philosophy, Beijing (August 22, 2018)

Prediction, Compression and Irreversibility in Time-series Analyses: In Principle Limits to Data-driven Learning.

International Symposium on Forecasting, University of Colorado, Boulder (June 18, 2018)

Introduction to Reason and Argument: Improving DFW Rates and Learning Outcomes with a Hybrid Course

CTE Celebration of Teaching, University of Kansas (April 4, 2018)

Formal Approaches to the Ontology and Epistemology of Resilience

Science of Security Lablet Kickoff, National Security Agency University of Maryland (March 13, 2018)

Dark Laws: Epistemic Opacity and Trade-offs in Artificial Intelligence

Department Colloquium, Renmin University, Beijing (October 15, 2019)

Mellon-Sawyer Seminar, Boston University/Harvard (November 27, 2017)

Mississippi State Philosophy Colloquium (November 16, 2016)

Good to Know: Epistemic Virtues and Formal Methods for Critical Thinking

Humanities and Philosophy Conference, Houston Community College (November 3, 2017)

Reasonfest, University of Kansas (April 14, 2017)

Brute Facts About Emergence

Department of Philosophy, University of Mississippi (November 18, 2016)
Midwest Annual Workshop on Metaphysics, University of Nebraska (October 14, 2016)
Department Colloquium, Department of Philosophy, University of Bucharest, Department of Philosophy.
(November 26, 2015)

Problems with partially hybrid critical thinking courses – and some solutions

Course Redesign Seminar, University of Kansas (October 4, 2016)

Hintikka as Philosophical Nonconformist

Memorial Conference on Hintikka. University of Helsinki (September 9, 2016)
American Philosophical Association Pacific Division. (April 2, 2016)

Progress in Posthuman Science.

Instituto de Investigaciones Filosóficas - Universidad Nacional Autónoma de México. (October 19, 2015)
Institute for Research in the Humanities, University of Bucharest (IRH-ICUB) (November 28, 2015)

Overview of the Metaphysics and Epistemology of Mind For AI and Cognitive Science. (Workshop)

International Summer School Cognitive Science, Romanian Academy of Science (June 27, 2015)

Norms and Formal Methods in Ameliorative Epistemology. (Keynote Address)

Thinking and Bias – Graduate and Post-Graduate Conference, University of Alberta, Canada. (June 12-14 2015)

Debiasing and Data Science Basics for Biologists (Graduate Workshop)

Institute of Biology, Universidade Federal da Bahia, Salvador, Bahia, Brazil (May 17-25, 2015)

The Limits of Information Processing in Software Intensive Science

Eastern Division Meeting, APA, Philadelphia (December 28, 2014)

What can we Teach our Posthuman Descendants?

Invited Lecture, Appolonia University, Iasi, Romania (February 28, 2014)
Hall Center Lecture in the Humanities, University of Kansas (October 7, 2014)
Café Scientifique, Universidade Federal da Bahia, Salvador, Bahia, Brazil (May 18, 2015)

Open Problems in Complex Systems Science: Machine Learning is not the Universal Solvent

Galilei-Turing Round-Table, 2014 Interdisciplinary Symposium on Complex Systems (ISCS'14) University of
Florence, Italy. (September 18, 2014)

Carving Causes at the Joints: Mathematical Invariance and Invariant Relations between Events

Causation in Science: Powers, Mechanism, Singularism, Norwegian University of the Life Sciences (September
16, 2014)

Meaningful interactions for Minimally Cognitive Agents.

Interactivist Summer Institute, University of South Florida (August 4, 2014)

Formalism for Debiasing, but not for Reasoning

Pacific Division Meeting, APA, San Diego (April 18 2014)

Comments on Andrew Higgins' "The Special Composition Question and the Question of Novel Existence."

Kansas Philosophical Society Meeting, Kansas State University (February 15, 2014)

Teaching

University of Kansas Dissertation Supervision - First Reader (Since 2014)

Completed:

- Hassan Alsharif, *Open Mindedness as an Epistemic Virtue and an Educational Ideal*
 - Completed Fall 2020
 - Currently Assistant Professor (Tenure Track) Taibah University, Medina, Saudi Arabia
- Amir Moderassi, *Resilience in IoT Systems* (Electrical Engineering & Computer Science University of Kansas)
 - Completed Spring 2020
 - Assistant Professor (Tenure Track), Maryville University, St. Louis, Missouri.
 - Currently: Assistant Professor (Tenure Track), Cal State Northridge
- Ramón Alvarado, *Computer Simulations: Three Essays on Moral and Epistemological Questions*
 - Completed Fall 2019
 - Currently: Assistant Professor (Tenure Track), Department of Philosophy, University of Oregon, Eugene, Oregon
- Ian McDaniel, *Life and Death Issues in Bioethics: Abortion, Persistent Vegetative State, and the Definition of Death*
 - Completed Spring 2015
 - Currently: Permanent Lecturer, Department of Philosophy, Sam Houston College, Huntsville Texas.
- Soo Min Lee (Andrew McFarland) *Metaphysics and natural kinds: slingshots, fundamentality, and causal structure*
 - Completed Spring 2014
 - Visiting positions at North Carolina State, and Kansas State
 - Currently: Associate Professor (Tenured), Department of Philosophy, LaGuardia College (CUNY), New York, New York.

In Progress:

- Stacy Elmer, *The Ontology of Institutions*
- Francisco Pipa, *Constraints and Selection in Quantum Physics*
- Ojas Patel, *Cross-Cultural Reflections on Value and the Afterlife*
- Justin Mullins, *The Development of Quine's views on Ontology*
- Jenny Nielsen, *New Mechanism and Physical Explanation*
- Kailani Jones, *Metrics Identifying Gaps in the SOC's Alert Handling Process*
- Koyel Pramanick, *Detection of measures devised by the compiler to improve security of generated code*

University of Kansas Dissertation Supervision - Committee Member (Since 2014)

Completed:

- Nadia Ruiz, *Neuroeconomics and Realism*
 - Completed Spring 2022
- Gareth Fuller, *Three Essays on Scientific Realism*
 - Completed Fall 2021
- Polo Camacho, *Reassessing the Central Dogma in Biology*
 - Completed Spring 2020
- Abba Ibrahim Ramadan, *Topics in Functional Analysis*. (Mathematics)
 - Completed Spring 2020
- Kamuran Osmanoglu, *Definitions of Race*
 - Completed Spring 2020
- Levi Winegar, *Mirage of Understanding; Challenging the dominant perspective in food desert discourse*. (Geography)
 - Completed Fall 2019
- Martin Rule, *Anomalous Monism*
 - Completed Summer 2016
- Dongsheng Zhang, *Modeling Critical Node Attacks in Mobile Wireless Networks* (Electrical Engineering & Computer Science)

- Completed Spring 2015
- Justin Clarke, *The Primitive Thesis: Defending a Davidsonian Conception of Truth*
 - Completed Spring 2015
- Sean Meseroll, *Happiness and Welfare*
 - Completed Spring 2014

In Progress:

Minxing Huang, *Dualism in the Phaedo*

Other Dissertation Supervision in Philosophy

Andre Curtis-Trudel, *Three papers on computational implementation.*

Ohio State University (Committee Member) Spring 2022

Christel Grimaud, *Logical modeling of reasoning and learning: a bio-inspired approach.*

Université Lille Nord de France (Committee Member) Spring 2016

Alicia Coram, *Patterns in Mind: Systematicity in the Extended Mind*

Philosophy, University of Melbourne (External Evaluator) Spring 2014

Erich Rast, *Reference and Indexicality*

Department of Philosophy, Roskilde University (Assessment Committee Member/Opponent) Fall 2006

Post-doctoral supervision

Gil Costa Santos. *Emergence, mechanism and non-linearity.*

Center for Philosophy of Science, University of Lisbon.

João L Cordovil. *Caracterização de uma ontologia relacional e dinamista das entidades físicas.*

[*Characterizing a relational and dynamical ontology of physical entities.*]

Center for Philosophy of Science, University of Lisbon.

Courses Taught since 2014

Undergraduate:

- Reason and Argument
- Moral Issues in Computer Technology
- Metaphysics
- Epistemology
- Philosophy of Science
- Philosophy of Mind

Graduate Seminars:

- Ethics of AI and Data Science
- The Epistemology of Computational Simulation
- Emergence and Resilience
- Computing Machinery and Inquiry
- Models and Formal Methods in Science

Service

Departmental Service (Since 2014)

2021- 2022 Interim Department Chair, Department of Economics, University of Kansas

2012-2017 Department Chair, Department of Philosophy, University of Kansas

Major achievements in this capacity:

- My performance was positively reviewed at all levels. In the recent external review of our department (November 9 2019) the committee wrote: “We are happy to report that the Philosophy Department is in excellent shape. Our understanding is that it underwent a difficult period with a high level of internal animosity and discord. Our impression is that John Symons deserves tremendous credit for having righted that difficult ship”. They were referring to the challenges that faced me when I arrived as Chair in 2012. I was an external hire for the Chair position at University of Kansas and was brought in at a time when the department was undergoing significant disruption and turnover. It was an opportunity for me to rebuild a department that is now internationally recognized for its excellence. My goal was to help build a department where I would want to stay for the remainder of my career. I am happy to have accomplished that.
- Conducted 6 tenure track hires (initiated one more) in a department of 14 tenure track faculty
- Grew semester credit hour production to levels surpassing and History rivaling English
- Helped to manage six successful tenure and/or promotion processes
- Oversaw a redesign our graduate and undergraduate curricula
- Developed our first five online courses
- Created the first 4+1 MA program at the University of Kansas
- Dramatically improved our standing in Academic Analytics and disciplinary reputational surveys
- Improved placement of PhD graduates
- Increased the number of undergraduate majors significantly
- Increased the percentage of women and minority students majoring in the discipline significantly
- Recruited one of the most diverse graduate student populations of any PhD program in the United States
- Increased endowment to the Philosophy Department including securing two large donations.

Post-Chair Departmental Service:

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| 2022-present | Admissions and Awards Committee |
| 2018-present | Annual Evaluation Committee |
| 2015-2018 | Admissions and Awards Committee |
| 2017- present | Graduate Student Teaching Supervisory Committee |

SERVICE TO THE COLLEGE AND UNIVERSITY (SINCE 2015)

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| 2021 | Argersinger Dissertation Award Review Committee member |
| 2020 - present | Committee on Graduate Studies (CGS) College of Liberal Arts and Sciences University of Kansas. |
| 2020 - present | Chair, Subcommittee of College Committee on Promotion and Tenure for external appointment review, College of Liberal Arts and Sciences, University of Kansas. |
| 2019 - present | College Committee on Promotion and Tenure (CCAPT) College of Liberal Arts and Sciences, University of Kansas |
| 2018 | Dean’s Task Force on Chairs and Directors, College of Liberal Arts and Sciences, University of Kansas |
| 2017-2019 | Research Excellence Award Committee Supervisor, College of Liberal Arts and Sciences, University of Kansas |
| 2017 - 2019 | College Research Excellence Fund, College of Liberal Arts and Sciences, University of Kansas |
| 2016 - present | University of Kansas Discussion Club |
| 2015 - 2017 | Chairs Course Redesign Working Group |
| 2015 - 2018 | University of Kansas Open Access Advisory Board |
| 2014 - 2017 | Advisory Board Member, Hall Center for the Humanities |
| 2015 | Hiring Committee for Associate Dean for Humanities, College of Liberal Arts and Sciences, University of Kansas |
| 2015 | Dean’s Ad hoc Committee on commercial online education providers/vendors |

SERVICE TO THE PROFESSION (SINCE 2015)

REFEREE FOR GRANT APPLICATIONS

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|------------|---|
| 2019-2022 | Swiss National Science Foundation (SNSF), Switzerland |
| 2020-1 | Fonds de la Recherche Scientifique (FNRS), Belgium |
| 2019 | NWO, the Dutch Research Council, external reviewer, Netherlands |
| 2018 | Fondazione Cariplo, external reviewer, Italy |
| 2015- 2018 | Mellon ACLS dissertation fellowship referee |

REFEREE FOR BOOK PROPOSALS AND MANUSCRIPTS

Routledge, Cambridge University Press, MIT Press, Oxford University Press, Columbia University Press, Rowman and Littlefield, SUNY press, Springer

REFEREE FOR JOURNAL ARTICLES

Analysis, Axiomathes, Biology and Philosophy, Big Data and Society, Body and Society, British Journal for the Philosophy of Science, Erkenntnis, Human Organization, International Journal of Agents, Technology and Systems, International Journal of Forecasting, Journal of Value Inquiry, Mind, Minds and Machines, Philosophies, Philosophical Psychology, Philosophy and Technology, Philosophy of Science, PlosOne, Synthese, Theoria,

EXTERNAL EVALUATOR FOR TENURE AND PROMOTION CASES (Since 2014)

Promotion to Full (7)

Promotion to Associate (15)

PROGRAM REVIEW

Autonomous University of Chihuahua (UACH) Philosophy Department external review committee. Chihuahua City, Mexico. (2013)

Extramural funding record

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|-------------|--|
| 2019-2022 | Senior Personnel, National Science Foundation <i>FEWtures: Innovation Analysis Framework for Resilient Futures, with Application to the Central Arkansas River Basin.</i> (with PI: Mary C Hill) (\$2,500,000) |
| 2018-2023 | PI, United States Department of Defense, <i>Formal Approaches to the Ontology and Epistemology of Resilience</i> , 1000122 DOD Task C.3 This grant is part of the National Security Administration's <i>Science of Security</i> project. (\$580,000) |
| 2010 - 2011 | Fundación Séneca-Agencia de Ciencia y Tecnología de la Región de Murcia, Project 11944/PHCS/09 <i>Systematicity and Architecture of Cognition.</i> (€35,000)(Paco Calvo and John Symons) |
| 2009 - 2010 | John Templeton Foundation Individual Research Award. <i>Computational Theories of Emergence</i> (\$67,000) |

Editorships

| | |
|----------------|---|
| 2022 – Present | <i>Axiomathes: Global Philosophy</i> (EIC) |
| 2020 - Present | <i>Philosophy and Technology</i> (Executive Editor) |
| 2005 - Present | <i>Texts in Philosophy</i> Book Series, College Publications (EIC) |
| 2004 - 2012 | <i>Logic, Epistemology and the Unity of Science</i> Book Series, Springer (EIC) |
| 2002 - 2011 | <i>Synthese</i> (EIC) |
| 2002 - 2013 | <i>Synthese Library</i> Book Series, Springer (EIC) |

Editorial Board Memberships

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|-------------|---|
| 2012 - 2022 | <i>Axiomathes: An International Journal in Ontology & Cognitive Systems</i> |
| 2010 - 2020 | <i>Logos & Episteme: An International Journal of Epistemology</i> |
| 2009 - 2014 | <i>Kairos: A Journal of Philosophy & Science</i> |
| 2014 - 2016 | <i>Science, Religion, & Culture</i> |
| 2007 - 2010 | <i>International Journal of Agents, Technologies, & Systems</i> |

Professional Associations and Offices

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|----------------|--|
| 2022 - | Corresponding Member at the General Assembly of Académie Internationale de Philosophie des Sciences (AIPS, International Academy for the Philosophy of the Sciences) |
| 2010 - | Co-chair for World Congress of Philosophy Rome 2023: Co-Chair Ethics of AI Beijing 2018: Co-Chair Philosophy of the Life Sciences Athens 2013: Co-Chair Philosophy of the Life Sciences |
| 2014 - 2017 | Advisory Board Member, Hall Center for the Humanities |
| 2013 - present | Executive Committee, Southwest Philosophical Society |
| 2012 - present | Executive Committee (2012-2018), Kansas Philosophical Society |
| 2010 - 2013 | Committee on International Cooperation (2010-2013), American Philosophical Association Ad-hoc committee on journal practices (2010-2011), American Philosophical Association |
| 2007 - 2009 | Vice President (2007-2008) President (2008-9), New Mexico-Texas Philosophical Association |
| 2005 - present | Permanent Member, Treasurer (2018-2022), Institut Internationale de Philosophie. |

SCHOLARSHIPS, HONORS, AND AWARDS

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|-------------|---|
| 2019 | Overseas Distinguished Scholar Lecture Series. Peking University, Beijing (October 9-18) <i>Computing, Embodiment, and Value: Five Lectures on Physical Computation and Normativity</i> |
| 2019 | Morrison Award for Excellence in Teaching, University of Kansas (\$8,500) |
| 2017-2018 | Big Twelve Faculty Fellow: Baylor University Department of Philosophy |
| 2018 | Center For Teaching Excellence Course Redesign Grant, University of Kansas |
| 2017 | Center For Teaching Excellence Assessment Award, University of Kansas. |
| 2015 | Shulenburg Award for Innovation & Advocacy in Scholarly Communication |
| 2009 - 2011 | CETAL Faculty Fellow, Center for Excellence in Teaching and Learning, University of Texas at El Paso. <i>Large Enrollment and Hybrid Course Development Seminar Leader</i> (Course release) |
| 2005 | Large Class Academy Stipend, Center for Excellence in Teaching and Learning, University of Texas at El Paso |
| 2002 - 2003 | University of Texas System, University Research Institute Award |
| 1998 - 1999 | Dibner Predoctoral Fellowship, Massachusetts Institute of Technology |
| 1998 | Humanities Foundation Award, Boston University |
| 1997 - 1998 | Junior Fellowship, Institut für die Wissenschaften vom Menschen, Vienna |
| 1997 | Peter Bertocci Scholarship, Boston University |
| 1997 | Machette Prize for best graduate student paper in the humanities 1996-97, Boston University |
| 1994 | Oakes and Louise Ames Prize for best undergraduate thesis at Connecticut College |
| 1993 | Suzanne K. Langer Award, Connecticut College |

OUTREACH AND PUBLIC PHILOSOPHY

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|----------------|---|
| 2018 - present | I am a featured contributor to Mana.net an Arabic language platform for philosophy and the arts. I host a podcast <i>Contemporary Philosophy: Global Conversations</i> and my essays for Mana are translated and some of them are read and released as an Arabic language podcast. |
| 2016 - present | Regular guest on River City Chautauqua (KKFI Kansas City), a radio program devoted to discussions of arts and culture, politics, and ideas. I have spoken about many topics, including consciousness, artificial intelligence, complexity, market fundamentalism, surveillance, and |

basic minimum income. These interviews and spoken essays are archived and available for listening at the KKFI website