

# Curriculum Vitae: Otávio Bueno

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## Personal Data

Name:	<b>Otávio Bueno</b>
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Citizenship:	American citizen.

## Academic Formation

Graduate (PhD)	Philosophy School of Philosophy, University of Leeds, UK 1996-1999 Dissertation title: <i>Philosophy of Mathematics: A Structural Empiricist View</i> Supervisor: Professor. Steven French Committee: Professor Bas van Fraassen and Professor Peter Simons
Graduate (MA)	Philosophy Department of Philosophy, University of São Paulo 1993-1996 Dissertation title: <i>Constructive Empiricism: A Restatement and Defense</i> Supervisor: Professor José Chiappin
Undergraduate (BA)	Philosophy Department of Philosophy, University of São Paulo 1988-1993

## Career

1. ***Cooper Senior Scholar in Arts and Sciences***  
Department of Philosophy, University of Miami  
Since May 2018
2. ***Chair of the Philosophy Department***  
Department of Philosophy, University of Miami  
From June 2011 until May 2020
3. ***Professor***  
Department of Philosophy, University of Miami  
Professor since August 2006
4. ***Associate Professor***  
Department of Philosophy, University of South Carolina  
From August 2004 to July 2006
5. ***Assistant Professor***  
Department of Philosophy, University of South Carolina  
From August 2002 to July 2004

**6. Assistant Professor**

Department of Philosophy, California State University, Fresno  
From January 2000 to July 2002

**7. Teaching Fellow**

School of Philosophy, University of Leeds, UK  
From August to December 1999

**8. Teaching Fellow**

Department of Philosophy, University of York, UK  
From August to December 1999

**9. Tutor (Logic and History and Philosophy of Science)**

School of Philosophy, University of Leeds, UK  
From October 1996 to July 1999

**10. Teaching Assistant (Logic)**

Department of Philosophy, University of São Paulo  
From August 1991 to June 1994

**Visiting Appointments****1. Visiting Fellow**

Department of Philosophy, Princeton University  
August-December 2004

**2. Visiting Professor**

Department of Philosophy, University of São Paulo, Brazil  
May-July 2004

**Areas of Specialization**

Philosophy of science, philosophy of mathematics, philosophy of logic, philosophical logic, epistemology, metaphysics, and philosophy of art

**Areas of Competence**

Logic, history of analytic philosophy

**Editorial Work**

1. I am Editor-in-Chief of *Synthese*.
2. I am Editor-in-Chief of the *Synthese* Library book series (Springer).
3. I am a subject editor *Oxford Bibliographies* in the areas of Philosophy of Science, Philosophy of Mathematics, and Philosophy of Logic.
4. I am subject co-editor of the *Stanford Encyclopedia of Philosophy* (Latin American Philosophy).
5. I am a member of the editorial board of the series *New Directions in the Philosophy of Science* (Palgrave).

**Books and Edited Collections**

1. *Logical Pluralism*, forthcoming, Cambridge: Cambridge University Press, 2022.
2. *Modal Epistemology* (with Scott Shalkowski), forthcoming, London: Routledge, 2021.
3. *On the Sorites Paradox* (co-edited with Ali Abasnezhad), forthcoming Cham: Springer, 2021.

4. *Individuals and Non-Individuals in Quantum Theory* (co-edited with Décio Krause and Jonas Arenhart), forthcoming Cham: Springer, 2021.
5. *From Contradiction to Defectiveness to Pluralism in Science: Philosophical and Formal Analyses* (co-edited with María del Rosario Martínez-Ordaz), forthcoming Cham: Springer, 2021.
6. *Handbook of Modality* (co-edited with Scott Shalkowski). London: Routledge, 2021. (Book published in 2020.)
7. *Between First- and Second-order Logic* (co-edited with Gila Sher), special issue of *Synthese* 196, 2019.
8. *Applying Mathematics: Immersion, Inference, Interpretation* (with Steven French), Oxford: Oxford University Press, 2018.
9. *Individuation, Process, and Scientific Practices* (co-edited with Ruey-Lin Chen and Melinda Fagan), New York: Oxford University Press, 2018.
10. *Thinking about Science, Reflecting on Art: Bringing Aesthetics and Philosophy of Science Together* (co-edited with George Darby, Steven French, and Dean Rickles), London: Routledge, 2018. (Published in 2017.)
11. *Is Science Inconsistent?* (co-edited with Peter Vickers), special issue of *Synthese* 191, 2014.
12. *Stance and Rationality* (co-edited with Darrell Rowbottom), special issue of *Synthese* 178, 2011.
13. *Issues in the Philosophy of Physics* (co-edited with Décio Krause), special issue of *Manuscrito* 33, 2010.
14. *A Companion to Latin American Philosophy* (co-edited with Susana Nuccetelli and Ofelia Schutte), Oxford: Wiley-Blackwell, 2010. (Paperback edition, 2013.)
15. *New Waves in Philosophy of Mathematics* (co-edited with Øystein Linnebo), Hampshire: Palgrave MacMillan, 2009.
16. *Constructive Empiricism: A Restatement and Defence* [in Portuguese], Campinas: Coleção CLE, 1999.
17. *Elements of Paraconsistent Set Theory* [in Portuguese] (with Newton da Costa and Jean-Yves Béziau), Campinas: Coleção CLE, 1998.

### Papers (in English)

1. “The Likelihood Ratio Measure and the Logicality Requirement” (with Yukinori Onishi), forthcoming in *Erkenntnis*, 2021.
2. “Dispensing with Facts, Substances, and Structures”, forthcoming in *American Philosophical Quarterly*, 2021.
3. “The Non-Individuals Interpretation of Quantum Mechanics” (with Décio Krause and Jonas Arenhart), forthcoming in Olival Freire Junior (ed.), *Oxford Handbook of the History of Interpretations of Quantum Mechanics* (Oxford: Oxford University Press, 2021).
4. “Is there a Fact of the Matter in the Debate between Structuralism and Factualism?”, forthcoming in Javier Cumpa (ed.), *Categorical Ontologies* (London: Routledge, 2021).
5. “Scientific Progress and Mathematics”, forthcoming in Yafeng Shan (ed.), *New Philosophical Perspectives on Scientific Progress* (London: Routledge, 2021).
6. “On The Objectivity of Quanta”, forthcoming in D. Aerts, J. Arenhart, C. de Ronde, and G. Sergioli (eds.), *Probing the Meaning and Structure of Quantum Mechanics*, volume 3 (Singapore: World Scientific, 2021).
7. “Analogies and Scientific Imaging”, forthcoming in Shyam Wuppuluri and A. C. Grayling (eds.), *Metaphors and Analogies in Sciences and Humanities: Words and Worlds* (Cham: Springer, 2021).
8. “How (Not) to Avoid Metaphysics”, forthcoming in Darren Bradley (ed.), *Philosophical Methodology after Carnap* (Cham: Springer, 2021).

9. "Revising Logics", forthcoming in Jean-Yves Béziau, Jean-Pierre Desclés, Amirouche Moktefi, and Anca Christine Pascu (eds.), *Logic in Question: Talks from the Annual Sorbonne Logic Workshop (2011-2019)* (Dordrecht: Birkhäuser, 2021).
10. "Modal Epistemology for Modalists" (with Scott Shalkowski), forthcoming in Anand Vaidya and Dusko Prelevic (eds.), *The Epistemology of Modality and Philosophical Methodology* (London: Routledge, 2021).
11. "Content, Context, and Naturalism in Mathematics", forthcoming in Shyam Wuppuluri and Ian Stewart (ed.), *From Electrons to Elephants and Elections* (Cham: Springer, 2021).
12. "Mathematical Fictionalism Revisited", forthcoming in Cristian Soto (ed.), *Current Debates in Philosophy of Science: In Honor of Roberto Torretti* (Cham: Springer, 2021).
13. "Empiricism in the Philosophy of Mathematics", forthcoming in *Internet Encyclopedia of Philosophy*, 2021.
14. "Philosophy of Science" (with Thomas Meier), forthcoming in *Oxford Bibliographies*, 2021.
15. "Resisting Easy Inferences" (with Javier Cumpa), *Philosophy and Phenomenological Research* 102, 2021, pp. 729-735.
16. "Structural Representation and the Ontology of Models", in A. Cassini and J. Redmond (eds.), *Models and Idealizations in Science: Artifactual and Fictional Approaches* (Cham: Springer, 2021), pp. 199-216.
17. "Mathematics and Measurement: Causation and the Mind", in Jan Voosholz and Markus Gabriel (eds.), *Top-Down Causation and Emergence* (Cham: Springer, 2021), pp. 65-75.
18. "Troubles with Theoretical Virtues: Resisting Theoretical Utility Arguments in Metaphysics" (with Scott Shalkowski), *Philosophy and Phenomenological Research* 101, 2020, pp. 456-469.
19. "Modal Matters: Philosophical Significance" (with Scott Shalkowski), in O. Bueno and S. Shalkowski (eds.), *Handbook of Modality* (London: Routledge, 2021), pp. 1-7. (Article published in 2020.)
20. "Modality and the Plurality of Logics", in O. Bueno and S. Shalkowski (eds.), *Handbook of Modality* (London: Routledge, 2021), pp. 319-327. (Article published in 2020.)
21. "Contingent Abstract Objects", in J.L. Falguera and C. Martínez-Vidal (eds.), *Abstract Objects* (Cham: Springer, 2020), pp. 91-109.
22. "The Philosophical Significance of Incompleteness", in J. Acacio de Barros and Décio Krause (eds.), *A True Polymath* (Rickmansworth: College Publications, 2020), pp. 250-259.
23. "A Framework for an Inferential Conception of Physical Laws" (with Cristian Soto), *Principia* 23, 2019, pp. 423-444. (Paper published in 2020.)
24. "Structural Realism, Mathematics, and Ontology", *Studies in History and Philosophy of Science* 74, 2019, pp. 4-9.
25. "Resisting Non-causal Explanations" (with Melisa Vivanco), *Analysis* 79, 2019, pp. 550-559.
26. "Structuralism, Empiricism, and Newman's Objection" (with Thomas Meier), *Principia* 23, 2019, pp. 53-67.
27. "Making Sense of Nonindividuals in Quantum Mechanics" (with Jonas Arenhart and Décio Krause), in O. Lombardi, S. Fortin, C. López, and F. Holik (eds.), *Quantum Worlds: Perspectives on the Ontology of Quantum Mechanics* (Cambridge: Cambridge University Press, 2019), pp. 185-204.
28. "Weyl, Identity, Indiscernibility, Realism", Alberto Cordero (ed.), *Philosophers Look at Quantum Mechanics* (Dordrecht: Springer, 2019), pp. 199-214.
29. "Is There a Place for Consciousness in Quantum Mechanics?", in J.A. de Barros and C. Montemayor (eds.), *Quanta and Mind: Essays on the Connection between Quantum Mechanics and Consciousness* (Dordrecht: Springer, 2019), pp. 129-139.
30. "Liars with Curry: Dialetheists and the Prospects for a Uniform Solution" (with Ben Burgis), in Adam Rieger and Gareth Young (eds.), *Dialetheism and its Applications* (Dordrecht: Springer, 2019), pp. 1-20.
31. "Interpreting Scientific Images: Aesthetic Considerations at Work", Shyam Wuppuluri and Dali Wu (eds.), *On Art and Science: Tango of an Eternally Inseparable Duo* (Dordrecht: Springer, 2019), pp. 101-115.

32. “Quantifier Variance Dissolved” (with Suki Finn), *Royal Institute of Philosophy Supplement* 82, 2018, pp. 289-307.
33. “Putnam’s Indispensability Argument Revisited, Reassessed, Revived”, *Theoria* 33/2, 2018, pp. 201-218.
34. “Uncertain Logic Processing: Logic-based Inference and Reasoning using Dempster-Shafer Models” (with Rafael Núñez, Manohar Murthi, Kamal Premaratne, and Matthias Scheutz), *International Journal of Approximate Reasoning* 95, 2018, pp. 1-21.
35. “Identity in Physics and Elsewhere”, *Cadernos de História e Filosofia da Ciência* 2/1, Série 4, 2016, pp. 93-105. (Paper published in 2018.)
36. “Empiricism”, in Juha Saatsi (ed.), *Routledge Handbook on Scientific Realism* (London: Routledge, 2018), pp. 96-107.
37. “Skepticism about *A Priori* Knowledge”, in Diego Machuca and Baron Reed (eds.), *Skepticism: From Antiquity to the Present* (London: Bloomsbury Publishing, 2018), pp. 685-699.
38. “Styles of Reasoning in the Sciences and in the Arts” (in Portuguese), Silvio Seno Chibeni *et al.* (eds.), *Filosofia e Historia de la Ciencia en el Cono Sur* (Córdoba: AFHIC, 2018), pp. 27-39.
39. “Logical and Metaphysical Presuppositions” (in Russian), in Dmitry Zaitsev (ed.), *Modern Logic: Its Subject Matter, Foundations, and Prospects* (in Russian) (Moscow: Forum, 2018), pp. 161-186.
40. “Object Theory and Modal Meinongianism” (with Edward N. Zalta), *Australasian Journal of Philosophy* 95, 2017, pp. 761-778.
41. “Scientific Pluralism, Consistency Preservation, and Inconsistency Toleration”, *Humana.Mente Journal of Philosophical Studies* 32, 2017, pp. 229-245.
42. “Interpreting the Sciences, Interpreting the Arts”, in Otávio Bueno, George Darby, Steven French, and Dean Rickles (eds.), *Thinking about Science, Reflecting on Art: Bringing Aesthetics and Philosophy of Science Together* (London: Routledge, 2018), pp. 80-98. (Published in 2017.)
43. “Overcoming Newman’s Objection”, in Michela Massimi, Jan-Willem Romeijn, and Gerhard Schurz (eds.), *EPSA15 Selected Papers* (Dordrecht: Springer, 2017), pp. 3-12.
44. “The Epistemology of Modality and the Epistemology of Mathematics”, in Robert Fischer and Felipe Leon (eds.), *Modal Epistemology After Rationalism* (Dordrecht: Springer, 2017), pp. 67-83.
45. “Partial Evidence in Medicine” (with Robin Neiman), in Hsiang-Ke Chao and Julian Reiss (eds.), *Philosophy of Science in Practice: Nancy Cartwright and the Nature of Scientific Reasoning* (Dordrecht: Springer, 2017), pp. 25-44.
46. “Colors: Presentation and Representation in the Fine Arts”, in Marcos Silva (ed.), *How Colours Matter to Philosophy*. (Dordrecht: Springer, 2017), pp. 215-221.
47. “Vasiliev and the Foundations of Logic”, in Vladimir Markin and Dmitry Zaitsev (eds.), *The Logical Legacy of Nikolai Vasiliev and Modern Logic*. (Dordrecht: Springer, 2017), pp. 43-58.
48. “Von Neumann, Empiricism, and the Foundations of Quantum Mechanics”, in Diederik Aerts, Christian de Ronde, Hector Freytes, and Roberto Giuntini (eds.), *Probing the Meaning and Structure of Quantum Mechanics: Superpositions, Semantics, Dynamics and Identity* (Singapore: World Scientific, 2016), pp. 192-230. (Published in 2017.)
49. “True Nominalism: Referring versus Coding” (with Jody Azzouni), *British Journal for the Philosophy of Science* 67, 2016, pp. 781-816.
50. “An Anti-Realist Account of the Application of Mathematics”, *Philosophical Studies* 173, 2016, pp. 2591-2604.
51. “Belief Systems and Partial Spaces”, *Foundations of Science* 21, 2016, pp. 225-236.
52. “How Structuralism Can Solve the ‘Access’ Problem”, *Veritas* 61, 2016, pp. 180-192.

53. "Epistemology and Philosophy of Science", in Paul Humphreys (ed.), *Oxford Handbook in the Philosophy of Science* (Oxford: Oxford University Press, 2016), pp. 233-251.
54. "Carnap, Logicism, and Ontological Commitment", in Sorin Costreie (ed.), *Early Analytic Philosophy: New Perspectives on the Tradition* (Dordrecht: Springer, 2016), pp. 337-352.
55. "Visual Reasoning in Science and Mathematics", in Lorenzo Magnani and Claudia Casadio (eds.), *Model-Based Reasoning in Science and Technology: Logical, Epistemological and Cognitive Issues* (Dordrecht: Springer, 2016), pp. 3-19.
56. "Skepticism in Latin America" (with Plínio Smith), in Edward N. Zalta (ed.), *Stanford Encyclopedia of Philosophy*, Spring 2016 Edition, URL = <<http://plato.stanford.edu/archives/spr2016/entries/skepticism-latin-america/>>. (Portuguese translation, as "O Ceticismo na América Latina", by Nicole Marcelo, published in *Sképsis* 13, 2016, pp. 126-170.)
57. "5 Questions: Philosophy of Logic", in Tracy Lupher and Thomas Adajian (eds.), *Philosophy of Logic: 5 Questions* (Copenhagen: Automatic Press, 2016), pp. 37-47.
58. "Modalism and Theoretical Virtues: Toward an Epistemology of Modality" (with Scott Shalkowski), *Philosophical Studies* 172, 2015, pp. 671-689.
59. "Structural Realism and the Nature of Structure" (with Jonas Becker Arenhart), *European Journal for Philosophy of Science* 5, 2015, pp. 111-139.
60. "The No-Category Ontology" (with Jacob Busch and Scott Shalkowski), *The Monist* 98, 2015, pp. 233-245.
61. "Realism and Anti-Realism about Science: A Pyrrhonian Stance", *International Journal for the Study of Skepticism* 5, 2015, pp. 145-167.
62. "Empirically Grounded Philosophical Theorizing" (with Scott Shalkowski), in Chris Daly (ed.), *The Palgrave Handbook of Philosophical Methods* (Hampshire: Palgrave, 2015), pp. 231-257.
63. "Can Identity Be Relativized?", in Arnold Koslow and Arthur Buchsbaum (eds.), *The Road to Universal Logic*, volume II (Dordrecht: Birkhäuser, 2015), pp. 253-262.
64. "Truth, Trivialism, and Perceptual Illusions", in J.-Y. Béziau, M. Chakraborty, and S. Dutta (eds.), *New Directions in Paraconsistent Logic*. (Dordrecht: Springer, 2015), pp. 465-476.
65. "Structures in Science and Metaphysics" (with Newton da Costa), in Jean-Yves Béziau, Décio Krause, and Jonas Arenhart (eds.), *Conceptual Clarifications* (London: College Publications, 2015), pp. 137-159.
66. "Bas van Fraassen", in Robert Audi (ed.), *The Cambridge Dictionary of Philosophy*, third edition (Cambridge: Cambridge University Press, 2015), p. 1103.
67. "Computer Simulations: An Inferential Conception", *The Monist* 97, 2014, pp. 378-398.
68. "Why Identity is Fundamental", *American Philosophical Quarterly* 51, 2014, pp. 325-332.
69. "Worlds and Propositions Set Free" (with Christopher Menzel and Edward Zalta), *Erkenntnis* 79, 2014, pp. 797-820.
70. "Sets and Functions in Theoretical Physics" (with Adonai Sant'Anna), *Erkenntnis* 79, 2014, pp. 257-281.
71. "Is Science Inconsistent?" (with Peter Vickers), *Synthese* 191, 2014, pp. 2887-2889.
72. "Constructive Empiricism, Partial Structures and the Modal Interpretation of Quantum Mechanics", *Quanta* 3, 2014, pp. 1-15.
73. "Representing and Picturing: Approaches in the Sciences and the Arts", *American Society for Aesthetics Newsletter* 34, 2014, pp. 8-11.
74. "Putnam and the Indispensability of Mathematics", *Principia* 17, 2013, pp. 217-234. (Paper published in 2014.)
75. "Logical Constants: A Modalist Approach" (with Scott Shalkowski), *Noûs* 47, 2013, pp. 1-24.

76. "Disagreeing with the Pyrrhonist?", in Diego Machuca (ed.), *Disagreement and Skepticism* (New York: Routledge, 2013), pp. 24-45.
77. "Nominalism in the Philosophy of Mathematics", in Edward N. Zalta (ed.), *Stanford Encyclopedia of Philosophy* (Fall 2013 edition). URL = <http://plato.stanford.edu/archives/fall2013/entries/nominalism-mathematics/>.
78. "Perception and Conception: Shaping Human Minds", *Biosemiotics* 6, 2013, pp. 323-336.
79. "DS-Based Uncertain Implication Rules for Inference and Fusion Applications" (with Rafael Núñez, Ranga Dabarera, Matthias Scheutz, Kamal Premaratne, and Manohar N. Murthi), *Proceedings of the 16<sup>th</sup> International Conference on Information Fusion (FUSION)*; Istanbul, Turkey, July 9-12, 2013), pp. 1934-1941. (<http://ieeexplore.ieee.org/Xplore/home.jsp>)
80. "An Easy Road to Nominalism", *Mind* 121, 2012, pp. 967-982. (Paper published in 2013.)
81. "Can Mathematics Explain Physical Phenomena?" (with Steven French), *British Journal for the Philosophy of Science* 63, 2012, pp. 85-113.
82. "Styles of Reasoning: A Pluralist View", *Studies in History and Philosophy of Science* 43, 2012, pp. 657-665.
83. "Empirical Factors and Structure Transference: Returning to the London Account" (with Steven French and James Ladyman), *Studies in History and Philosophy of Modern Physics* 43, 2012, pp. 95-104.
84. "Models and Structures: Phenomenological and Partial" (with Steven French and James Ladyman), *Studies in History and Philosophy of Modern Physics* 43, 2012, pp. 43-46.
85. "Just What Is Vagueness?" (with Mark Colyvan), *Ratio* 25, 2012, pp. 19-33.
86. "Partial Truth and Visual Evidence", *Principia* 15, 2011, pp. 249-270. (Paper published in 2012.)
87. "An Inferential Conception of the Application of Mathematics" (with Mark Colyvan), *Noûs* 45, 2011, pp. 345-374.
88. "How Theories Represent" (with Steven French), *British Journal for the Philosophy of Science* 62, 2011, pp. 857-894.
89. "When Physics and Biology Meet: The Nanoscale Case", *Studies in History and Philosophy of Biological and Biomedical Sciences* 42, 2011, pp. 180-189.
90. "How to Change It: Modes of Engagement, Rationality, and Stance Voluntarism" (with Darrell Rowbottom), *Synthese* 178, 2011, pp. 7-17.
91. "Stance and Rationality: A Perspective" (with Darrell Rowbottom), *Synthese* 178, 2011, pp. 1-5.
92. "Defeasible Reasoning + Partial Models: A Formal Framework for the Methodology of Research Programs" (with Fernando Tohmé and Claudio Delrieux), *Foundations of Science* 16, 2011, pp. 47-65.
93. "Remarks on Abstract Galois Theory" (with Newton da Costa), *Manuscrito* 34, 2011, pp. 151-183.
94. "Structural Empiricism, Again", in Peter Bokulich and Alisa Bokulich (eds.), *Scientific Structuralism* (Dordrecht: Springer, 2011), pp. 81-103.
95. "Logical and Mathematical Knowledge", in Sven Bernecker and Duncan Pritchard (eds.), *Routledge Companion to Epistemology* (London: Routledge, 2011), pp. 358-368.
96. "Relativism in Set Theory and Mathematics", in Steven Hales (ed.), *A Companion to Relativism* (Oxford: Blackwell, 2011), pp. 553-568.
97. "Is the Pyrrhonist an Internalist?", in Diego Machuca (ed.), *New Essays on Ancient Pyrrhonism* (Leiden: Brill, 2011), pp. 179-192.
98. "Quasi-Truth and Quantum Mechanics", in Décio Krause and Antonio A.P. Videira (eds.), *Brazilian Studies in Philosophy and History of Science* (Dordrecht: Springer, 2011), pp. 301-312.
99. "Structuralism and Information", *Metaphilosophy* 41, 2010, pp. 365-379.
100. "A Defense of Second-order Logic", *Axiomathes* 20, 2010, pp. 365-383.

101. "Is Logic A Priori?", *Harvard Review of Philosophy* 17, 2010, pp. 105-117.
102. "Ontological Issues in Quantum Theory" (with Décio Krause), *Manuscrito* 33, 2010, pp. 269-283.
103. "Issues in the Foundations of Science, I: Languages, Structures, and Models" (with Newton da Costa, and Décio Krause), *Manuscrito* 33, 2010, pp. 123-141.
104. "Models and Scientific Representations", in P.D. Magnus and Jacob Busch (eds.), *New Waves in Philosophy of Science* (Hampshire: Palgrave MacMillan, 2010), pp. 94-111.
105. "Can Set Theory Be Nominalized? A Fictionalist Response", in John Woods (ed.), *Fictions and Models: New Essays* (Munich: Philosophia Verlag, 2010), pp. 191-224.
106. "Philosophy of Mathematics", in Fritz Allhoff (ed.), *Philosophies of the Sciences* (Oxford: Wiley-Blackwell, 2010), pp. 68-91.
107. "Philosophy of Logic", in Fritz Allhoff (ed.), *Philosophies of the Sciences* (Oxford: Wiley-Blackwell, 2010), pp. 41-67.
108. "Paraconsistent Logic" (with Newton da Costa), in Susana Nuccetelli, Ofelia Schutte, and Otávio Bueno (eds.), *A Companion to Latin American Philosophy* (Oxford: Wiley-Blackwell, 2010), pp. 217-229.
109. "Introduction" (with Susana Nuccetelli and Ofelia Schutte), in Susana Nuccetelli, Ofelia Schutte, and Otávio Bueno (eds.), *A Companion to Latin American Philosophy* (Oxford: Wiley-Blackwell, 2010), pp. 1-6.
110. "Philosophy of Mathematics", *Oxford Bibliographies*, <http://oxfordbibliographiesonline.com>, 2010.
111. "Models of Reduction", *Principia* 13, 2009, pp. 269-282. (Paper published in 2010.)
112. "Modalism and Logical Pluralism" (with Scott Shalkowski), *Mind* 118, 2009, pp. 295-321.
113. "Sosa on Skepticism", *Metaphilosophy* 40, 2009, pp. 195-202.
114. "Functional Beauty: Some Applications, Some Worries", *Philosophical Books* 50, 2009, pp. 47-54.
115. "Fitch's Paradox and the Philosophy of Mathematics", in Joe Salerno (ed.), *New Essays on the Knowability Paradox* (Oxford: Oxford University Press, 2009), pp. 252-280.
116. "Mathematical Fictionalism", in Otávio Bueno and Øystein Linnebo (eds.), *New Waves in Philosophy of Mathematics* (Hampshire: Palgrave MacMillan, 2009), pp. 59-79.
117. "Philosophy of Mathematics: Old and New" (with Øystein Linnebo), in Otávio Bueno and Øystein Linnebo (eds.), *New Waves in Philosophy of Mathematics* (Hampshire: Palgrave MacMillan, 2009), pp. 1-9.
118. "Why Advocate Pancritical Rationalism?" (with Darrell Rowbottom), in Z. Parusniková and R. S. Cohen (eds.), *Rethinking Popper* (Boston Studies in the Philosophy of Science, vol. 272) (Dordrecht: Springer, 2009), pp. 81-89.
119. "Truth and Proof", *Manuscrito* 31, 2008, pp. 419-440. (Paper published in 2009.)
120. "Scientific Representation and Nominalism: An Empiricist View", *Principia* 12, 2008, pp. 177-192. (Paper published in 2009.)
121. "Non-Reflexive Logics" (with Newton da Costa), *Revista Brasileira de Filosofia* 232, 2009, pp. 181-196.
122. "On What It Takes for There to Be No Fact of the Matter" (with Jody Azzouni), *Noûs* 42, 2008, pp. 753-769.
123. "Structural Realism, Scientific Change, and Partial Structures", *Studia Logica* 89, 2008, pp. 213-235.
124. "Nominalism and Mathematical Intuition", *Protosociology* 25, 2008, pp. 89-107. (Reprinted in Gerhard Preyer and Georg Peter (eds.), *Philosophy of Mathematics: Set Theory, Measuring Theories, and Nominalism* (Frankfurt: Ontos Verlag, 2008), pp. 93-111.)
125. "Relativism and Skepticism", *International Journal of Philosophical Studies* 16, 2008, pp. 247-254.
126. "Descartes on Mathematical Essences" (with Raffaella De Rosa), *Protosociology* 25, 2008, pp. 160-177. (Reprinted in Gerhard Preyer and Georg Peter (eds.), *Philosophy of Mathematics: Set Theory, Measuring Theories, and Nominalism* (Frankfurt: Ontos Verlag, 2008), pp. 164-181.)



127. "Visual Evidence at the Nanoscale", *Spontaneous Generations: A Journal for the History and Philosophy of Science* 2, 2008, pp. 132-138.
128. "Interpreting Music: Beyond Platonism", in Teresa Lesiuk (ed.), *Proceedings of the 9<sup>th</sup> RAIME International Symposium* (Miami: Frost School of Music, 2008), pp. 43-54.
129. "Rationality, Inconsistency, and Partial Structures" (with Newton da Costa), in Isabella Lucchese and Rita Melillo (eds.), *Le Ragioni Degli Altri: Scritti in Onore di Dominico Antonino Conci* (Milan: Franco Angeli, 2008), pp. 229-249.
130. "Quasi-Truth, Paraconsistency, and the Foundations of Science" (with Newton da Costa), *Synthese* 154, 2007, pp. 383-399.
131. "Troubles with Trivialism", *Inquiry* 50, 2007, pp. 655-667.
132. "Scientific Theories, Models, and the Semantic Approach" (with Décio Krause), *Principia* 11, 2007, pp. 187-201.
133. "Incommensurability in Mathematics", in Bart Van Kerkhove and Jean Paul Van Bendegem (eds.), *Perspectives on Mathematical Practices* (Dordrecht: Springer, 2007), pp. 83-105.
134. "Paraconsistent Logics and Paraconsistency" (with Newton da Costa and Décio Krause), in Dale Jacquette (ed.), *Philosophy of Logic* (Amsterdam: North-Holland, 2007), pp. 791-911.
135. "Representation at the Nanoscale", *Philosophy of Science* 73, 2006, pp. 617-628. [Paper published in 2007.]
136. "Interaction Free Measurement with Matter Waves" (with Adonai Sant'Anna), *Foundations of Physics Letters* 19, 2006, pp. 481-490.
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## Reviews

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2. “Review of G. Anthony Bruno and A.C. Rutherford (eds.), *Skepticism: Historical and Contemporary Inquiries* (Oxon: Routledge, 2018)”, forthcoming in *International Journal for the Study of Skepticism*, 2021.
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9. “What Does a Picture Prove? A Review of James R. Brown’s *Philosophy of Mathematics: An Introduction to the World of Proofs and Pictures* (London: Routledge, 1999)”, *Metascience* 11, 2002, pp. 61-65.
10. “Realism Refilled? A Review of Stathis Psillos’s *Scientific Realism: How Science Tracks Truth* (London, Routledge, 1999)”, *Metascience* 10, 2001, pp. 360-366.

11. “Review of André Fuhrmann’s *An Essay on Contraction* (Stanford, CSLI Publications, 1997)” (with Steven French), *British Journal for the Philosophy of Science* 51, 2000, pp. 513-517.
  12. “Review of Philippe de Rouilhan’s *Russell et le cercle des paradoxes* (Paris, Presses Universitaires de France, 1996)” (with Newton da Costa), *Journal of Symbolic Logic* 64, 1999, pp. 1845-1847.
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  14. “Review of Philippe de Rouilhan’s *Russell et le cercle des paradoxes* (Paris, Presses Universitaires de France, 1996)”, *Lettre d’Information de l’Association Henri Poincaré*, 1999.
  15. “Review of W. Balzer’s and C.U. Moulines’s (eds.) *Structuralist Theory of Science: Focal Issues, New Results* (Berlin, de Gruyter, 1996)” (with Newton da Costa), *History and Philosophy of Logic* 19, 1998, pp. 270-272.
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  17. “Review of Graham Priest’s *Beyond the Limits of Thought* (Cambridge, Cambridge University Press, 1995)” (with Newton da Costa), *History and Philosophy of Logic* 17, 1996, pp. 158-160.
- I have written 78 reviews for *Mathematical Reviews*.

### Refereed Abstracts

1. “Nominalistic Metalogic” (abstract), *Bulletin of Symbolic Logic* 12, 2006, p. 158.
2. “Pluralism About Logical Pluralism” (abstract), *Bulletin of Symbolic Logic* 11, 2005, p. 551.
3. “A Defence of Second-order Logic” (abstract), *Bulletin of Symbolic Logic* 10, 2004, pp. 290-291.
4. “Why the Notion of Logical Consequence Cannot be Analyzed” (abstract), *Bulletin of Symbolic Logic* 9, 2003, p. 246.
5. “On the Referential Indeterminacy of Logical and Mathematical Concepts” (abstract), *Bulletin of Symbolic Logic* 8, 2002, p. 315.

### Work in Progress

I am currently developing a number of book projects:

- a book on evidence in medicine (with Robin Neiman), entitled: *Evidence in Medicine*;
- a book defending fictionalism about mathematics, entitled: *Fiction and Mathematics*;
- a book on the application of mathematics, entitled: *The Dispensability of Mathematics: Dissolving the Problem of the Application of Mathematics*;
- a book in the philosophy of mathematics, articulating and defending structural empiricism. Its working title is: *Philosophy of Mathematics: A Structural Empiricist View*;
- a book on an epistemology for microscopy, entitled: *Visual Evidence and Microscopy*;
- a book on skepticism, entitled: *Science and Pyrrhonism*;
- a book with Newton da Costa on formal semantics and the theory of valuations, entitled: *Logic: A New Semantic Approach*;
- a book on the relationship between science and art, entitled: *Revolutions and Representation in Science and Art*.

## Presentations in Congresses

### 2022

1. **XAI: Between Ethics and Epistemology Workshop**  
May 23-25, 2022 (Delft, Netherlands)  
“XAI and Hidden Algorithms: Epistemological and Ethical Challenges”
2. **2022 Pacific Division Meeting: American Philosophical Association**  
April 13-16, 2022 (Vancouver, Canada)  
“Making Sense of Existence”
3. **Logic and Society Workshop**  
January 14-15, 2022  
“Big Data, Algorithms, and Partial Information”

### 2021

4. **Eclectic Approaches to Causation and Explanation Workshop**  
December 16-17, 2021 (Nicolaus Copernicus University, Toruń, Poland)  
“Causation and Explanation: Empiricism and Partial Truth”
5. **Consciousness and Cognition Workshop: On On Certainty**  
December 6-7, 2021 (Federal University of Pernambuco, Brazil)  
“Wittgenstein: Between Certainty and Skepticism”
6. **6<sup>th</sup> International Bioethics Colloquium**  
December 1-3, 2021 (Porto Alegre, Brazil; online)  
“Big Data and Hidden Algorithms: Epistemological and Ethical Challenges”
7. **Cooper Fellowship Lecture**  
November 18, 2021 (University of Miami)  
“Real Unlikeness: Photography, Film, Scientific Imaging”
8. **Cognitive Studies Group: University of Miami**  
November 12, 2021 (Coral Gables, FL)  
“Neuroscience and Scientific Imaging”
9. **International Epistemology Colloquium**  
October 25-29, 2021 (Peru; online)  
“Logical Pluralism and its Significance”
10. **Identity, Individuality, and Indistinguishability Workshop**  
October 6-8, 2021 (Buenos Aires, Argentina; online)  
“Identity, Indistinguishability, Incongruence”
11. **Abstract Objects: Deflationary Approaches Conference**  
September 1-3, 2021 (Santiago de Compostela, Spain; online)  
“Objects, Thin Objects, Thin Access to Objects”
12. **12<sup>th</sup> Principia International Symposium**  
August 2-5, 2021 (Florianópolis, Brazil; online)  
“Two Kinds of Fictionalism about Scientific Models”



**13. 12<sup>th</sup> Principia International Symposium**

August 2-5, 2021 (Florianópolis, Brazil; online)  
 “Quantum Properties and Quantum Modal Realism”

**14. Brazilian and North American Cultural Institute**

July 15, 2021 (Porto Alegre, Brazil; online)  
 “Doubt, Courage, and Resistance: Sister Aloysius between Infallibility and Uncertainty”

**15. Modal Modeling in Science Workshop**

May 27-28, June 3-4, 2021 (Stockholm, Sweden; online)  
 “Models and Modal Knowledge”

**16. 7<sup>th</sup> International Workshop on Quantum Mechanics and Quantum Information**

April 15-16, 22-23, 2021 (Florianópolis, Brazil; online)  
 “Necessity and Contingency: Quantum Mechanics and Empiricist Modalism”

**17. Philosophy Department Colloquium: University of Notre Dame**

March 12, 2021 (Online)  
 “Empiricism, Evidence, and Microscopy”

**18. Logic and Plurality Conference**

January 13-15, 2021 (Online conference)  
 “The Significance of Logical Pluralism”

**19. The Heterodox in Logic and Reason Conference**

January 13-16, 2021 (Online conference)  
 “The Significance of Logical Pluralism”

**2020****20. Second Congress of the Russian Society for History and Philosophy of Science**

November 27-29, 2020 (St. Petersburg, Russia; online conference)  
 “Evidence, Objectivity, and Styles of Scientific Reasoning”

**21. 5<sup>th</sup> International Bioethics Colloquium**

November 3-6, 2020 (Porto Alegre, RS, Brazil; online conference)  
 “Medical Nihilism: Problems and Prospects”

**22. Colloquium: Pontifical Catholic University of Rio de Janeiro, Brazil**

October 9, 2020 (Rio de Janeiro, RJ, Brazil; online talk)  
 “Are There Grounds of Logical Necessity?”

**23. 2020 Pacific Division Meeting: American Philosophical Association (Society for Realist/Anti-Realist Discussion)**

April 8-12, 2020 (San Francisco, CA)  
 “Perception, Content, Experience” (Cancelled)

**24. Workshop: Scientific Understanding and Representation**

March 12-14, 2020 (Atlanta, GA)  
 “What Kind of Understanding Does the Inferential Representation Provide?”

**25. Colloquium: Federal University of Santa Catarina, Brazil**

March 9, 2020 (Florianópolis, SC, Brazil)  
 “The Philosophical Significance of Neo-Pyrrhonism”

**26. Workshop: Structuralism, Factualism, Super-Relationism**



March 3, 2020 (Madrid, Spain)

“Are There Facts of the Matter in the Debate between Structuralism and Factualism?”

**27. 2020 Central Division Meeting: American Philosophical Association (Society for Realist/Anti-Realist Discussion)**

February 26-29, 2020 (Chicago, IL)

“Empiricism, Instrumentalism, and Scientific Success”

**28. Colloquium: Technical Federal University of Paraná, Brazil**

February 19, 2020 (Londrina, PR, Brazil)

“Science Education and Styles of Scientific Reasoning”

**29. Colloquium: Technical Federal University of Paraná, Brazil**

February 17, 2020 (Ponta Grossa, PR, Brazil)

“Styles of Scientific Reasoning and the Philosophy of Science”

**30. Data Intersections: Dialogues about the Ethics of Data, Technology, and Design**

February 13, 2020 (Coral Gables, FL)

“Data: Big and Small”

**31. Night of Ideas**

January 30, 2020 (Coral Gables, FL)

“Being Alive: Body, Self, Space”

**32. 2020 Eastern Division Meeting: American Philosophical Association**

January 8-11, 2020 (Philadelphia)

“The Access Problem Revisited”

**2019**

**33. Workshop on Quantum Mechanics: Identity and Individuality**

December 16-18, 2019 (Florianópolis, Brazil)

“Non-Individuals: Thick and Thin”

**34. 2019 Workshop on the Philosophy of Cognitive Neuroscience and Neuroethics**

December 9-11, 2019 (Buenos Aires, Argentina)

“Neuroscience and Scientific Imaging”

**35. XXVIII SIUCC, Inter-University Workshop on Philosophy and Cognitive Science**

December 3-5, 2019 (Granada, Spain)

“Easy Mathematical Ontology”

**36. Logic, Epistemology and Metaphysics Seminar**

November 28, 2019 (London)

“Revising Logics”

**37. Philosophy Department Colloquium: University of São Paulo**

October 25, 2019 (São Paulo, Brazil)

“Revising Logics”

**38. International Conference on Modality, Logic, and Philosophy: Peking University**

October 12-13, 2019 (Beijing, China)

“Imagination and Modal Epistemology”

**39. Workshop on Philosophy of Science: Current Debates**

October 1-3, 2019 (Santiago, Chile)  
 “How to Dispense with Categories”

**40. Workshop on Philosophy of Science: Current Debates**

October 1-3, 2019 (Santiago, Chile)  
 “Structuralism in Mathematics, Science and Metaphysics”

**41. Workshop: Causal and Non-Causal Explanations in Science, Mathematics, and Metaphysics**

October 4, 2019 (Santiago, Chile)  
 “Non-Causal Explanation in Science: Some Troubles”

**42. 11<sup>th</sup> Principia International Symposium**

August 19-22, 2019 (Florianópolis, Brazil)  
 “Quest for Knowledge: Pyrrhonist, Anti-Pyrrhonist, Neo-Pyrrhonist”

**43. 11<sup>th</sup> Principia International Symposium**

August 19-22, 2019 (Florianópolis, Brazil)  
 “Memory and Imagination: Distinguished, Conflated”

**44. 11<sup>th</sup> Principia International Symposium**

August 19-22, 2019 (Florianópolis, Brazil)  
 “On the Objectivity of Quanta”

**45. 11<sup>th</sup> Principia International Symposium**

August 19-22, 2019 (Florianópolis, Brazil)  
 “The Inferential Conception of Physical Laws” (with Cristian Soto)

**46. Language and Cognition Workshop: Federal University of Pernambuco**

August 15-16, 2019 (Recife, Brazil)  
 “Wittgenstein and Neo-Pyrrhonism”

**47. Language and Cognition Workshop: Federal University of Pernambuco**

August 15-16, 2019 (Recife, Brazil)  
 “Logic Revision”

**48. 16<sup>th</sup> International Congress of Logic, Methodology, and Philosophy of Science and Technology**

August 5-10, 2019 (Prague, Czech Republic)  
 “Making Sense of Defective Information: Partiality and Big Data in Astrophysics” (with María Martínez)

**49. Philosophy Colloquium: University of Granada**

June 27, 2019 (Granada, Spain)  
 “Pluralism, Relativism, and Logical Consequence”

**50. 11<sup>th</sup> Smirnov Readings in Logic**

June 19-21, 2019 (Moscow, Russia)  
 “Pluralism, Relativism, and Logical Consequence”

**51. Understanding Defectiveness in the Sciences Workshop: UNAM**

June 3-4, 2019 (Mexico City, Mexico)  
 “Understanding Incompleteness in the Sciences”

**52. Philosophy Colloquium: Pontifical University of Chile**

May 7, 2019 (Santiago, Chile)  
 “Contingent Abstract Objects”

**53. 2019 Pacific Division Meeting: American Philosophical Association**

April 17-20, 2019 (Vancouver, Canada)  
 “Application of Mathematics and Confirmation”

**54. 2019 Pacific Division Meeting: American Philosophical Association (Society for Realist/Anti-Realist Discussion)**

April 17-20, 2019 (Vancouver, Canada)  
 “Explanatory Mathematical Proofs”

**55. 46<sup>th</sup> Annual Dubrovnik Philosophy of Science Conference**

April 15-16, 2019 (Dubrovnik, Croatia)  
 “Representing and Seeing (!) the Unobservable”

**56. 11<sup>th</sup> Annual Auburn Philosophy Conference: Representation, Idealization, and Explanation in Science**

April 5-6, 2019 (Auburn, AL)  
 “Representing and Seeing (!) the Unobservable”

**57. V International Workshop on Quantum Mechanics and Quantum Information**

March 13-14, 2019 (Buenos Aires, Argentina)  
 “On the Objectivity of Quanta”

**58. Meta-Ontology Conference**

March 6, 2019 (Coral Gables, FL)  
 “Against Meta-Ontology”

**59. 2019 Central Division Meeting: American Philosophical Association**

February 20-23, 2019 (Denver, CO)  
 “How to Be a Direct Realist”

**60. Materialism and Categories: Elimination and Naturalization**

February 8, 2019 (Madrid, Spain)  
 “Naturalizing Categories”

**61. Logic and Philosophy of Logic Colloquium: University of São Paulo**

January 22-23, 2019 (São Paulo, Brazil)  
 “Pluralism, Relativism, and Logical Consequence”

**62. University of Granada Lecture**

January 21, 2019 (Granada, Spain)  
 “Personal Identity and the Closest Continuer Theory”

**63. 2019 Eastern Division Meeting: American Philosophical Association (Society for Realist/Anti-Realist Discussion)**

January 7-10, 2019 (New York City)  
 “Azzoni’s Hume and his Kripke’s Wittgenstein: Rule Following, Naturalness, and Induction”

**2018**

**64. International Philosophy of Science Lectures: Nanjing University, China**

December 17, 2018 (Nanjing, China)  
 “Application of Mathematics: Underdetermination”

**65. International Philosophy of Science Lectures: Nanjing University, China**

December 15, 2018 (Nanjing, China)  
 “Microscopy and Visual Evidence”

66. **International Philosophy of Science Lectures: Nanjing University, China**  
December 14, 2018 (Nanjing, China)  
“Application of Mathematics: Pluralism”
67. **International Philosophy of Science Lectures: Nanjing University, China**  
December 13, 2018 (Nanjing, China)  
“Structural Empiricism: Observation”
68. **International Philosophy of Science Lectures: Nanjing University, China**  
December 11, 2018 (Nanjing, China)  
“Structural Empiricism: Evidence”
69. **International Philosophy of Science Lectures: Nanjing University, China**  
December 10, 2018 (Nanjing, China)  
“Structural Empiricism: Appearances”
70. **Varieties of Identity: University of Granada**  
November 15-16, 2018 (Granada, Spain)  
“Quantification and Identity”
71. **International Congress: Logics in Science**  
November 5-9, 2018 (Arequipa, Peru)  
“Evidence and Styles of Scientific Reasoning”
72. **Philosophy of Science Association Meeting**  
November 1-3, 2018 (Seattle, WA)  
“Mathematical Indeterminacy: When Drawing Ontological Conclusions from Mathematical Structures Fail”
73. **Philosophy Department Colloquium: CUNY**  
October 24, 2018 (New York, NY)  
“Observation, Empiricism, and Microscopy”
74. **II Skeptical Studies Colloquium: Universidad del Valle, Cali**  
October 10-12, 2018 (Cali, Colombia)  
“Neo-Pyrrhonism, Empiricism, Naturalism”
75. **Logic and Metaphysics Seminar: CUNY**  
October 1, 2018 (New York, NY)  
“Inconsistency and the Sorites Paradox”
76. **V Symposium of the Brazilian Society for Analytic Philosophy**  
September 10-14, 2018 (Salvador, BA, Brazil)  
“Wittgenstein: Neither Pyrrhonist, Nor Neo-Pyrrhonist”
77. **Philosophy of Science Workshop: Buenos Aires, Argentina**  
September 3-4, 2018 (Buenos Aires)  
“Observation, Empiricism, and Microscopy”
78. **Jornada Rolando Chuaqui: Concepción, Chile**  
August 31, 2018 (Concepción)  
“Non-Individuals: Metaphysical, Logical, and Mathematical Underdetermination”
79. **Jornada Rolando Chuaqui: Concepción, Chile**  
August 30, 2018 (Concepción)  
“On Physical and Mathematical Structures”

- 80. International Seminar: University of Chile**  
August 28, 2018 (Santiago, Chile)  
“Instrumental Style of Reasoning”
- 81. International Seminar: University of Chile**  
August 27, 2018 (Santiago, Chile)  
“Mathematical Explanations in the Sciences: Some Troubles”
- 82. Skepticism and Science Lectures: Federal University of Maceió, Brazil**  
July 27, 2018 (Maceió, Brazil)  
“Neo-Pyrrhonism: Applications”
- 83. Skepticism and Science Lectures: Federal University of Maceió, Brazil**  
July 26, 2018 (Maceió, Brazil)  
“Neo-Pyrrhonism: Evidence”
- 84. Skepticism and Science Lectures: Federal University of Maceió, Brazil**  
July 25, 2018 (Maceió, Brazil)  
“Neo-Pyrrhonism: Appearances”
- 85. Skepticism and Science Lectures: Federal University of Maceió, Brazil**  
July 24, 2018 (Maceió, Brazil)  
“Logical Revision”
- 86. Skepticism and Science Lectures: Federal University of Maceió, Brazil**  
July 23, 2018 (Maceió, Brazil)  
“Philosophy of Mathematics: a Neo-Pyrrhonist Stance”
- 87. PIKSI-Logic: Boston**  
July 12, 2018 (Boston)  
“Vagueness”
- 88. Philosophy Department Colloquium: Federal University of Amazonas**  
June 29, 2018 (Manaus, Brazil)  
“Styles of Reasoning: in the Arts, in the Sciences”
- 89. PIKSI Boston: MIT**  
June 20, 2018 (Cambridge, MA)  
“Modalism and the Plurality of Logics”
- 90. XI Symposium AFHIC**  
June 11-15, 2018 (Buenos Aires, Argentina)  
“Instrumental Style of Reasoning”
- 91. XI Symposium AFHIC**  
June 11-15, 2018 (Buenos Aires, Argentina)  
“Historical Epistemology of Mathematics”
- 92. Top-Down Causation Workshop: University of Bonn**  
June 4-5, 2018 (Bonn, Germany)  
“Physics, Causation, and the Mind”
- 93. Language and Democracy Conference**  
May 4, 2018 (Coral Gables, FL)  
“Sciences, Pluralism, and Democracy”

**94. Quanta and Consciousness Conference**

April 10-11, 2018 (San Francisco, CA)

“Is There Room for Consciousness in Quantum Mechanics?”

**95. 2017 Pacific Division Meeting of the American Philosophical Association**

March 28-April 1, 2018 (San Diego, CA)

“Modality: Metaphysics, Epistemology”

**96. 2017 Pacific Division Meeting of the American Philosophical Association**

March 28-April 1, 2018 (San Diego, CA)

“Panel: Diversity in Philosophy Journals”

**97. 2017 Pacific Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

March 28-April 1, 2018 (San Diego, CA)

“Modalism and Logical Pluralism”

**98. Philosophy Colloquium: UNAM**

March 1, 2018 (Mexico City, Mexico)

“Evidence, Objectivity, and Styles of Scientific Reasoning”

**99. International Philosophy Conference: Universidad Nacional Mayor de San Marcos, Peru**

February 20-23, 2018 (Lima, Peru)

“Why There Are No Styles of Mathematical Reasoning”

**100. Fiction and Imagination, Artistic Capacities and Images Workshop**

February 1, 2018 (Coral Gables, FL)

“Transparency in Movies”

**101. 2018 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

January 3-6, 2018 (Savannah, GA)

“Explanatory Mathematical Proofs”

**2017****102. Philosophy of Physics Workshop: Federal University of Santa Catarina**

December 6-8, 2017 (Florianópolis, Brazil)

“Non-Individuals: Metaphysics and Epistemology”

**103. Cognitive Studies Group: University of Miami**

November 27, 2017 (Coral Gables, FL)

“Doubt, Suspension of Judgement, Suspension of Belief”

**104. Sigma Club (London School of Economics)**

November 20, 2017 (London, UK)

“Weyl, Identity, Individuality”

**105. The Unity of Reality Workshop: University of Bonn**

November 10, 2017 (Bonn)

“Pluralism and the Disunity of Reality”

**106. Philosophy Department Colloquium: University of Bonn**

November 9, 2017 (Bonn, Germany)

“Identity and Quantification”

**107. Joint Philosophy and Mathematics Department Colloquium: Denison University**

November 1, 2017 (Columbus, OH)

“Contingent Abstract Objects”

**108. Emergence: Epistemological and Metaphysical Issues**

October 25-26, 2017 (University of the Basque Country, San Sebastián)

“Emergence and Surplus Structure”

**109. Philosophy Department Colloquium: University of Virginia**

October 11, 2017

“Evidence and Styles of Reasoning”

**110. Philosophy Department Colloquium: Federal University of Rio de Janeiro**

September 21, 2017 (Rio de Janeiro, Brazil)

“Styles of Scientific Reasoning: Objectivity and Theory Change in the Sciences”

**111. European Philosophy of Science Association Conference**

September 6-9, 2017 (Exeter, UK)

“Evidence and Styles of Scientific Reasoning”

**112. Philosophy of Mathematics Workshop (University of Chile)**

August 31, 2017 (Santiago, Chile)

“Application of Mathematics: Underdetermination”

**113. Chilean Society for the Philosophy of Science Lecture (University of Chile)**

August 30, 2017 (Santiago, Chile)

“Why There Are No Styles of Mathematical Reasoning”

**114. Philosophy of Mathematics Workshop (University of Chile)**

August 30, 2017 (Santiago, Chile)

“Application of Mathematics: Interpretation and Modality”

**115. Philosophy of Mathematics Workshop (University of Chile)**

August 29, 2017 (Santiago, Chile)

“Application of Mathematics: Modeling and Logical Opacity”

**116. Philosophy of Mathematics Workshop (University of Chile)**

August 28, 2017 (Santiago, Chile)

“Application of Mathematics: Indispensability”

**117. Jornada Rolando Chuaqui**

August 23-25, 2017 (Valparaíso, Chile)

“Empiricism, Structuralism, and Realism: On the Future of the Debate”

**118. Jornada Rolando Chuaqui**

August 23-25, 2017 (Valparaíso, Chile)

“How (Not) to Avoid Metaphysics”

**119. Principia International Symposium**

August 14-17, 2017 (Florianópolis, Brazil)

“Non-Individuals: Metaphysical, Non-Metaphysical”

**120. Principia International Symposium**

August 14-17, 2017 (Florianópolis, Brazil)

“Experience and Empiricism in Mathematics”

- 121.Philosophy Colloquium: Federal University of Alagoas**  
August 11, 2017 (Maceió, Brazil)  
“Logical Pluralism and Modality”
- 122.Philosophy Colloquium: Federal University of Alagoas**  
August 11, 2017 (Maceió, Brazil)  
“Logic and Metaphysics”
- 123.Application of Mathematics Workshop**  
July 20-21, 2017 (Milan, Italy)  
“Dissolving the Problem of the Application of Mathematics”
- 124.2017 Meeting of the British Society for the Philosophy of Science**  
July 13-14, 2017 (Edinburgh)  
“Evidence and Styles of Scientific Reasoning”
- 125.Metaphysics, Science, and Skepticism Conference, II (University of Bonn)**  
July 10, 2017 (Bonn, Germany)  
“Ontology and Skepticism: A Neo-Pyrrhonian Stance”
- 126.Philosophy Colloquium: Munich Center for Mathematical Philosophy**  
July 3, 2017 (Munich, Germany)  
“Identity and Quantification”
- 127.Metaphysics, Science, and Skepticism Conference, I (University of Bonn)**  
June 29, 2017 (Bonn, Germany)  
“Skepticism about Metaphysics, Skepticism about Science: A Neo-Pyrrhonian Stance”
- 128.Philosophy Department Colloquium (University of São Paulo)**  
June 12, 2017 (São Paulo, Brazil)  
“The Elusive Concept of Style of Scientific Reasoning”
- 129.Conference: What Are Categories? (Complutense University of Madrid)**  
May 26, 2017 (Madrid, Spain)  
“How to Dispense with Categories”
- 130.Conference: What Are Categories? (Complutense University of Madrid)**  
May 26, 2017 (Madrid, Spain)  
“Categorical Eliminativism and the Task of Ontology” (with Javier Cumpa)
- 131.2017 Society for Exact Philosophy Conference**  
May 5-7, 2017 (Calgary, Canada)  
“Is Neutralism Possible?” (with Thomas Meier)
- 132.VI International Colloquium on Skepticism**  
April 26-28, 2017 (Salvador, Brazil)  
“Neo-Pyrrhonism: Old and New”
- 133.2017 Pacific Division Meeting of the American Philosophical Association**  
April 12-15, 2017 (Seattle)  
“Fields of Sense, Domains, and Pluralism”
- 134.2017 Pacific Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**  
April 12-15, 2017 (Seattle)  
“How not to Respond to the Skeptic”



**135. Early Modern Philosophy Workshop (City University of New York)**

February 15, 2017 (New York City)

“Hume’s Neo-Pyrrhonism”

**136. 2017 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

January 4-7, 2017 (Baltimore)

“Modalism: Modality in Mathematics and in the Sciences”

**2016****137. Updating Indispensabilities: Hilary Putnam In Memoriam**

November 30-December 1, 2016 (Santiago de Compostela, Spain)

“Putnam’s Indispensability Argument Revisited, Reassessed, Revived”

**138. Philosophy of Science Association Meeting**

November 3-5, 2016 (Atlanta)

“Weyl, Identity, Indiscernibility”

**139. Philosophy Department Colloquium: University of Barcelona**

October 28, 2016 (Barcelona, Spain)

“Evidence and Styles of Scientific Reasoning”

**140. International Congress of Ontology**

October 3-7, 2016 (San Sebastian, Spain)

“Facts and Substances in a Quantum World” (with Javier Cumpa)

**141. International Congress of Ontology**

October 3-7, 2016 (San Sebastian, Spain)

“Weyl, Identity, Indiscernibility, and Realism”

**142. Philosophy Department Colloquium: University of Nevada, Las Vegas**

September 30, 2016 (Las Vegas)

“Identity and Quantification”

**143. International Association of Philosophy and History of Science of the Southern Cone Conference**

September 12-15, 2016 (Águas de Lindóia, Brazil)

“Evidence and Styles of Reasoning”

**144. Logic and Metaphysics: UNAM**

September 8-9, 2016 (Mexico City, Mexico)

“Logical Pluralism with a Single Logical and Modal Space”

**145. Inconsistency in Science and Scientific Pluralism: UNAM**

September 5-6, 2016 (Mexico City, Mexico)

“Scientific Pluralism, Consistency Preservation, and Inconsistency Toleration”

**146. 2016 Australasian Association of Philosophy Conference**

July 3-7, 2016 (Melbourne, Australia)

“Identity and Quantification”

**147. 2016 Australasian Association of Philosophy Conference**

July 3-7, 2016 (Melbourne, Australia)

“If-thenism and Neutral Quantification”

- 148.Philosophy Department Colloquium: University of Queensland**  
 July 1, 2016 (Brisbane, Australia)  
 “The Epistemology of Modality and the Epistemology of Mathematics”
- 149.Philosophy of Mathematics Workshop: University of Sydney**  
 June 27, 2016 (Sydney, Australia)  
 “On the Application of Mathematics”
- 150.III International Quantum Mechanics and Quantum Information Workshop**  
 June 16-18, 2016 (Buenos Aires, Argentina)  
 “Weyl, Identity, and Quantum Mechanics”
- 151.Philosophy of Modality Workshop: UNAM**  
 June 13-14, 2016 (Mexico City, Mexico)  
 “Modal Epistemology and Mathematical Epistemology”
- 152.Seminar: University of Paris, Diderot**  
 June 9, 2016 (Paris, France)  
 “Identity, Quantification, Individuality”
- 153.Carnap’s Challenge to Metaphysics Conference**  
 June 2-3, 2016 (Leeds, UK)  
 “How (Not) to Avoid Metaphysics”
- 154.Summer Program for Diversity in Logic: University of Massachusetts, Dartmouth**  
 May 27, 2016 (Dartmouth, MA)  
 “Curry Paradox and the Structure of Logical Paradoxes”
- 155.2016 Meeting of the Society for Exact Philosophy**  
 May 6-8, 2016 (Coral Gables, FL)  
 “Identity and Quantification”
- 156.Annual Conference of Latino/a and Hispanic Philosophers: Columbia University**  
 April 29-30, 2016 (New York City, NY)  
 “Why There Are No Styles of Mathematical Reasoning”
- 157.Fundamental Truthmakers Conference: University of Miami**  
 April 22-23, 2016 (Coral Gables, FL)  
 “Truthmaking and the Reconciliation of the Manifest and the Scientific Images” (with Javier Cumpa)
- 158.2016 Pacific Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**  
 March 30-April 3, 2016 (San Francisco, CA)  
 “Why Identity is Fundamental, Once Again”
- 159.2016 Pacific Division Meeting of the American Philosophical Association**  
 March 30-April 3, 2016 (San Francisco, CA)  
 “Bootstrapping and Perceptual Justification”
- 160.Social Epistemology and Medicine Conference (University of California, Irvine)**  
 March 28-29, 2016 (Irvine, CA)  
 “What Kind of Knowledge is Medical Knowledge?”
- 161.Social Epistemology and Medicine Conference (University of California, Irvine)**  
 March 28-29, 2016 (Irvine, CA)

“Editor Symposium: Challenges and Opportunities of Editing a Philosophy Journal”

**162.Social Epistemology and Medicine Conference (University of California, Irvine)**

March 28-29, 2016 (Irvine, CA)

“*Synthese* and Special Issues”

**163.Institute for Logic, Language and Computation Colloquium: University of Amsterdam**

March 11, 2016 (Amsterdam, Netherlands)

“Identity’s Fundamentality, Once Again”

**164.2016 Central Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

March 2-5, 2016 (Chicago, IL)

“Imagination and Modal Epistemology: Some Tensions”

**165.Minnesota Center for Philosophy of Science: University of Minnesota**

February 12, 2016 (Minneapolis, MN)

“Visual Evidence and Styles of Scientific Reasoning”

**166.Minnesota Center for Philosophy of Science: University of Minnesota**

February 11, 2016 (Minneapolis, MN)

“Logic and Metaphysical Presuppositions”

**2015**

**167.International Colloquium on Law, Bioethics & Information Technology**

November 3-6, 2015 (Porto Alegre, Brazil)

“Evidence and Ethics in Medicine: Some Models”

**168.International Colloquium on Law, Bioethics & Information Technology**

November 3-6, 2015 (Porto Alegre, Brazil)

“Visual Evidence and Styles of Scientific Reasoning”

**169.14th Justus Hartnack Lecture in Philosophy**

October 1, 2015 (Aarhus, Denmark)

“Why There Are No Styles of Mathematical Reasoning”

**170.European Philosophy of Science Association Meeting**

September 23-26, 2015 (Düsseldorf, Germany)

“Overcoming Newman’s Objection”

**171.European Philosophy of Science Association Meeting**

September 23-26, 2015 (Düsseldorf, Germany)

“How to Dissolve the Problem of the Application of Mathematics”

**172.Epistemology and Philosophy of Science Workshop**

September 11, 2015 (University of Miami)

“Why There Are No Styles of Mathematical Reasoning”

**173.IX International Symposium Principia**

August 17-20, 2015 (Florianópolis, Brazil)

“Possible Worlds and Modal Epistemology”

**174.IX International Symposium Principia**

August 17-20, 2015 (Florianópolis, Brazil)

“Identity and Indistinguishability in Quantum Mechanics”

**175. IX International Symposium Principia**

August 17-20, 2015 (Florianópolis, Brazil)

“Why There Are No Styles of Mathematical Reasoning”

**176. History and Philosophy of Science Seminar**

August 11-14, 2015 (Curitiba, Brazil)

“Conceptions of Styles of Scientific Reasoning”

**177. History and Philosophy of Science Seminar**

August 11-14, 2015 (Curitiba, Brazil)

“Styles of Scientific Reasoning: Units of Analysis”

**178. History and Philosophy of Science Seminar**

August 11-14, 2015 (Curitiba, Brazil)

“Styles of Scientific Reasoning: Representation”

**179. History and Philosophy of Science Seminar**

August 11-14, 2015 (Curitiba, Brazil)

“Styles of Scientific Reasoning: Rationality”

**180. Spanish Society for Logic, Methodology and Philosophy of Science Conference**

July 7-10, 2015 (Barcelona, Spain)

“Logical Consequence and Primitive Modality”

**181. Model-Based Reasoning in Science and Technology**

June 25-27, 2015 (Sestri Levante, Genova, Italy)

“Visual Reasoning in Science and Mathematics”

**182. Model-Based Reasoning in Science and Technology**

June 25-27, 2015 (Sestri Levante, Genova, Italy)

“Model-Based Reasoning: New Directions”

**183. Philosophy of Science Workshop: Sorbonne**

June 23, 2015 (Paris)

“Diagrams and Evidence in Scientific Reasoning”

**184. Ninth International Conference “Smirnov’s Readings” (Moscow State University)**

June 17-19, 2015 (Moscow)

“Existence, Quantification, Identity”

**185. Philosophy Department Colloquium: Moscow State University**

June 16, 2015 (Moscow)

“Philosophical Issues and Problems: Some Recommendations”

**186. Logic in Question: Sorbonne**

June 9, 2015 (Paris)

“Logic and Metaphysics”

**187. Institute for History and Philosophy of Sciences and Technology Colloquium**

June 8, 2015 (Paris)

“What Does a Mathematical Proof Really Prove?”

**188. Philosophy Department Colloquium: Federal University of Bahia**

May 8, 2015 (Salvador, Brazil)

“Different Kinds of Neo-Pyrrhonism”

**189. Workshop on Models in Science: Federal University of Minas Gerais**

April 27, 2015 (Belo Horizonte, Brazil)

“Models, Evidence, and Styles of Scientific Reasoning”

**190. Philosophy Department Colloquium: University of Massachusetts**

April 22, 2015 (Dartmouth, Massachusetts)

“José Saramago and the Nature of Fiction”

**191. Louisiana State University Philosophy Graduate Conference (Keynote Talk)**

April 17-18, 2015 (Baton Rouge, LA)

“Styles of Reasoning: Scientific and Mathematical”

**192. Joint Philosophy and Mathematics Department Colloquium: Florida International University**

April 9, 2015 (Miami, FL)

“What Does a Mathematical Proof Really Prove?”

**193. 2015 Pacific Division Meeting of the American Philosophical Association**

April 1-5, 2015 (Vancouver, Canada)

“On the Possibility of Time Travel”

**194. 2015 Pacific Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

April 1-5, 2015 (Vancouver, Canada)

“Structural Realism without Laws”

**195. 2015 Pacific Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

April 1-5, 2015 (Vancouver, Canada)

“Different Kinds of Neo-Pyrrhonism”

**196. Philosophy Department Colloquium: University of Aarhus**

March 12, 2015 (Aarhus, Denmark)

“What Does a Mathematical Proof Really Prove?”

**197. Philosophy Department Colloquium: University of Aarhus**

March 11, 2015 (Aarhus, Denmark)

“Imagination and Modal Epistemology”

**198. Philosophy Department Colloquium: University of British Columbia**

March 6, 2015 (Kelowna, Canada)

“Interpreting Science, Interpreting Art”

**199. Philosophy Department Colloquium: University of South Florida**

February 27, 2015 (Tampa, FL)

“Epistemic Structural Realism: Some Troubles”

**200. Philosophy Department Colloquium: Virginia Tech**

February 11, 2015 (Blacksburg, VA)

“Seeing with a Microscope”

**201. Philosophy Colloquium: Munich Center for Mathematical Philosophy**

January 22, 2015 (Munich, Germany)

“Logic and Metaphysical Presuppositions”

**202.2014 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

December 27-30, 2014 (Philadelphia)

“Mathematical Intuition”

**203.2014 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

December 27-30, 2014 (Philadelphia)

“When to Suspend Judgment about the Reality of Atoms and Subatomic Particles”

**204.Coherence of Relativism Conference**

December 12-13, 2014 (International Centre for Philosophy, North Rhine-Westphalia)

“Pluralism and Relativism: Logic, Mathematics, Metaphysics”

**205.Individuation in the Sciences Conference**

December 8-9, 2014 (National Chung Cheng University, Taiwan)

“Can We Track Quantum Objects?”

**206.International History, Philosophy and Science Teaching Asian Conference**

December 4-6, 2014 (Taipei, Taiwan)

“Science, Rationality, Education”

**207.Department of Philosophy Colloquium: Kyoto University**

December 2, 2014 (Kyoto, Japan)

“Epistemic Structural Realism: Some Troubles”

**208.2014 Philosophy of Science Association Meeting**

November 6-8, 2014 (Chicago, IL)

“What Does a Mathematical Proof Really Prove?”

**209.Philosophy of Science Workshop: University of Miami**

October 24, 2014 (Coral Gables, FL)

“What Does a Mathematical Proof Really Prove?”

**210.Jornada Rolando Chuaqui: Santiago, Chile**

October 15-17, 2014 (Santiago, Chile)

“Quasi-Truth, Evidence, and Scientific Reasoning”

**211.Global Imaginaries, Media and Aesthetics**

October 3, 2014 (Coral Gables, FL)

“Beyond Art: Significance and Challenges”

**212.Epistemology of Modality Conference: Aarhus, Denmark**

September 24-26, 2014 (Aarhus, Denmark)

“The Epistemology of Modality and the Epistemology of Mathematics”

**213.Protein Interactome: A Mini Symposium**

September 20, 2014 (Miami, FL)

“Seeing What Cannot Be Seen”

**214.Philosophy Department Colloquium: York University (Canada)**

September 10, 2014 (Toronto, Canada)

“What Does a Mathematical Proof Really Prove?”

**215.Aesthetics Meets Philosophy of Science Conference: University of Leeds**

September 5-7, 2014 (Leeds, UK)

“Interpreting Science, Interpreting Art”

**216.Structural Realism Workshop: Munich Center for Mathematical Philosophy**

July 3, 2014 (Munich, Germany)

“Pragmatic Structural Realism and the Newman Objection” (with Thomas Meier)

**217.Philosophy Colloquium: Munich Center for Mathematical Philosophy**

June 30, 2014 (Munich, Germany)

“Why the Notion of Logical Consequence Cannot Be Analyzed”

**218.Paraconsistent Reasoning in Science and Mathematics: Munich Center for Mathematical Philosophy**

June 11-13, 2014 (Munich, Germany)

“Science: From Inconsistency to Partial Truth”

**219.Institute of Advanced Studies: University of São Paulo**

May 26, 2014 (São Paulo, Brazil)

“Styles of Reasoning in Science and in Mathematics”

**220.2014 Pacific Division Meeting of the American Philosophical Association**

April 16-20, 2014 (San Diego)

“Dissent in Science”

**221.2014 Pacific Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

April 16-20, 2014 (San Diego)

“Skepticism and Epistemological Disjunctivism”

**222.2014 Pacific Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

April 16-20, 2014 (San Diego)

“Logic and Formal Languages”

**223.Climate Sustainability Lecture Series: Nova Southeastern University**

April 14, 2014 (Davie, Florida)

“Philosophy of Science Today: Models, Evidence, Simulations”

**224.Michael Thacher Lecture in Philosophy (George Washington University)**

February 28, 2014 (Washington, DC)

“What Does a Mathematical Proof Really Prove?”

**225.Philosophy Department Colloquium: Texas A&M University**

January 30, 2014 (College Station, TX)

“Logic and Metaphysical Presuppositions”

**226.Philosophy Department Colloquium: University of Virginia**

January 15, 2014 (Charlottesville, VA)

“Logic and Metaphysical Presuppositions”

**227.2014 Epistemology Conference: University of Miami**

January 11, 2014 (Miami, FL)

“Logic and Rationality” (round table discussion)

**2013**

**228.2013 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

December 27-30, 2013 (Baltimore)

“Why the Concept of Logical Consequence Cannot Be Analyzed”

**229.Center for Logic and Epistemology Colloquium (CLE, State University of Campinas)**

December 13, 2013 (Campinas, Brazil)

“Identity and Quantification”

**230.Center for Logic and Epistemology Colloquium (CLE, State University of Campinas)**

December 12, 2013 (Campinas, Brazil)

“Logical Consequence and Conceptual Analysis”

**231.Philosophy Department Colloquium: University of California, San Diego**

December 9, 2013

“Logic and Metaphysical Presuppositions”

**232.Philosophy Department Colloquium: Swarthmore College**

December 5, 2013

“What Does a Mathematical Proof Really Prove?”

**233.Epistemology and Philosophy of Science Workshop (University of Miami)**

November 15, 2013

“Structural Realism and the Nature of Structure” (with Jonas Becker Arenhart)

**234.Meteorology and Physical Oceanography Department Colloquium (University of Miami)**

November 8, 2013 (Miami)

“Philosophy of Science Today: Models, Evidence, Simulations”

**235.Institute of Advanced Studies Colloquium (University of São Paulo)**

October 17, 2013 (São Paulo, Brazil)

“The Concept of Style in Art and Science”

**236.Philosophy Department Colloquium: University of California, Santa Cruz**

October 3, 2013 (Santa Cruz, CA)

“Seeing with a Microscope”

**237.Epistemology of Modality Conference**

August 29-31, 2013 (Lisbon, Portugal)

“Modalism and Theoretical Virtues: Toward an Epistemology of Modality” (with Scott Shalkowski)

**238.VIII International Symposium Principia**

August 12-15, 2013 (Florianópolis, Brazil)

“Putnam and the Indispensability of Mathematics”

**239.Philosophy Department Colloquium: Federal University of Minas Gerais**

August 9, 2013 (Belo Horizonte, Brazil)

“Structural Realism and Representation”

**240.Philosophy Department Colloquium: Federal University of Rio de Janeiro**

August 6, 2013 (Rio de Janeiro, Brazil)

“Absolutely General Quantification and Second-order Logic”

**241.16<sup>th</sup> International Conference on Information FUSION**

July 9-12, 2013 (Istanbul, Turkey)

“DS-Based Uncertain Implication Rules for Inference and Fusion Applications” (with Rafael Núñez, Ranga Dabarera, Matthias Scheutz, Kamal Premaratne, and Manohar N. Murthi)



**242. William Reinhardt Lecture in Philosophy of Mathematics: University of Colorado, Boulder**

May 3, 2013 (Boulder, CO)

“What Does a Mathematical Prove Really Prove?”

**243. Third International Philosophy of Language and Metaphysics Symposium**

April 8, 2013 (Rio de Janeiro, Brazil)

“Meinong and the Characterization Principle”

**244. 4<sup>th</sup> World Congress on Universal Logic**

April 3-7, 2013 (Rio de Janeiro, Brazil)

“Logic and Rationality”

**245. 4<sup>th</sup> World Congress on Universal Logic**

April 3-7, 2013 (Rio de Janeiro, Brazil)

“Second-order Logic and Unrestricted Quantification”

**246. 2013 Pacific Division Meeting of the American Philosophical Association**

March 27-31, 2013 (San Francisco)

“Scientific Representation and the Application of Mathematics”

**247. 2013 Pacific Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

March 27-31, 2013 (San Francisco)

“What Does a Mathematical Proof Really Prove?”

**248. Science and Pyrrhonism Lectures: Universidad Autónoma Metropolitana, Iztapalapa**

March 15, 2013 (Mexico City, Mexico)

“Pyrrhonism at Work: From Mathematics to Microscopy”

**249. Science and Pyrrhonism Lectures: Universidad Autónoma Metropolitana, Iztapalapa**

March 13, 2013 (Mexico City, Mexico)

“Pyrrhonism and Empiricism: Evidence”

**250. Science and Pyrrhonism Lectures: Universidad Autónoma Metropolitana, Iztapalapa**

March 11, 2013 (Mexico City, Mexico)

“Science and Pyrrhonism: Appearances”

**251. 2013 Central Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

February 20-23, 2013 (New Orleans)

“Quantifier Variance and Realism about Structure”

**252. 2013 Epistemology Conference: University of Miami**

January 10-12, 2013 (Miami)

“How to Be an Epistemic Relativist” (roundtable discussion)

**2012****253. 2012 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

December 27-30, 2012 (Atlanta)

“Structural Realism: Models and Modality”

**254. 2012 Eastern Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

December 27-30, 2012 (Atlanta)

“Skepticism, Naturalism, and Second Philosophy”

**255.25 Years In Contradiction**

December 7-9, 2012 (University of Glasgow)

“Liars with Curry: Why Dialetheists Violate the Principle of Uniform Solution” (with Ben Burgis)

**256.Philosophy of Science Association Meeting**

November 15-17, 2012 (San Diego)

“Diagrams and Styles of Reasoning: Toward a Reconciliation of the Received and the Semantic Views”

**257.Nikolai Vasiliev’s Logical Legacy and Modern Logic Conference**

October 24-26, 2012 (Moscow, Russia)

“Vasiliev and the Foundations of Logic”

**258.Science and Art Conference**

October 19, 2012 (University of Leeds)

“Representing and Picturing: Approaches in Science and in Art”

**259.International Association of Philosophy and History of Science of the Southern Cone Conference**

October 16-18, 2012 (Santiago de Chile)

“How to be a Structural Empiricist”

**260.Models, Scientific Explanations and Evidence-Based Policies**

September 13-14, 2012 (National Tsing Hua University, Taiwan)

“Models and Evidence”

**261.Reference and Realism Conference**

August 16-17, 2012 (Wuhan, China)

“Structural Realism and Structural Empiricism: A Case Study in Quantifier Variance”

**262.Formal Philosophy Workshop**

June 19, 2012 (Utrecht, Netherlands)

“Yablo’s Paradox, Once Again”

**263.Ancient Skepticism, Voluntarism, and Science Conference: University of Notre Dame**

May 11, 2012 (Notre Dame)

“Realism and Anti-Realism About Science: A Pyrrhonian Stance”

**264.2012 Pacific Division Meeting of the American Philosophical Association**

April 4-8, 2012 (Seattle)

“Types and Cardinals”

**265.2012 Pacific Division Meeting of the American Philosophical Association**

April 4-8, 2012 (Seattle)

“Disagreeing with the Pyrrhonist?”

**266.“New Science, New Risks” Conference: Center for Philosophy of Science, University of Pittsburgh**

March 30-31 (Pittsburgh, PA)

“Two Kinds of Uncertainty in Clinical Trials” (with Robin Neiman)

**267.2012 Central Division Meeting of the American Philosophical Association**

February 15-18, 2012 (Chicago, IL)

“Idealization in Science”

**268.2011 Eastern Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

December 27-30, 2011 (Washington, DC)  
 “Skepticism and Externalism: Still in Tension”

**269.2011 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

December 27-30, 2011 (Washington, DC)  
 “The Perceptual Basis of Mathematical Intuition”

**270. History and Philosophy of Science and Technology Colloquium: Stanford University**

December 1, 2011 (Stanford, CA)  
 “Visual Evidence in Scientific Practice”

**271. Philosophy Department Colloquium: CUNY, Graduate Center**

November 2, 2011 (New York, NY)  
 “Nominalism and Mathematical Explanation”

**272. Chemistry Department Colloquium: University of Miami**

November 18, 2011 (Coral Gables, FL)  
 “Visual Evidence in Chemistry Research”

**273. Federal University of Ouro Preto: Invited Lecture**

October 28, 2011 (Ouro Preto, Brazil)  
 “What Can Be Observed with a Microscope?”

**274. Federal University of Ouro Preto: Invited Lecture**

October 28, 2011 (Ouro Preto, Brazil)  
 “Visual Evidence and Scientific Representation”

**275. Federal University of Ouro Preto: Invited Lecture**

October 27, 2011 (Ouro Preto, Brazil)  
 “Observation and Visual Evidence in Scientific Practice”

**276. Federal University of Ouro Preto: Invited Lecture**

October 27, 2011 (Ouro Preto, Brazil)  
 “Observation and Empiricism in Science”

**277. Federal University of Ouro Preto: Keynote Lecture**

October 26, 2011 (Ouro Preto, Brazil)  
 “An Empiricist Theory of Perception”

**278. Philosophy Department Colloquium: University of Wisconsin, Milwaukee**

April 29, 2011 (Milwaukee, WI)  
 “Visual Evidence and Scientific Representation”

**279. Graduate Philosophy Department Colloquium: University of Miami**

February 18, 2011 (Coral Gables, FL)  
 “Writing and Publishing Papers: Dos and Don’ts”

**280.2011 Epistemology Conference: University of Miami**

January 13-15, 2011 (Coral Gables, FL)  
 “Making Sense of Scientific Reasoning” (Round table discussion.)

**2010****281.2010 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

December 27-30, 2010 (Boston)

“Semi-Anti-Realism”

**282.2010 Eastern Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

December 27-30, 2010 (Boston)

“Skepticism and Externalism: Still in Tension”

**283.Structuralism Workshop: University of Notre Dame**

November 18-20, 2010 (Notre Dame, IN)

“Structuralism and Representation”

**284.Grand Rounds: Mercy Hospital**

September 9, 2010 (Miami, FL)

“Visual Evidence and Scientific Representation”

**285.First International Congress of Metaphysical Logic: University of São Paulo**

August 16-19, 2010 (São Paulo, Brazil)

“Identity and Quantification”

**286.International Seminar in Philosophy and History of Science: University of São Paulo**

August 13, 2010 (São Paulo, Brazil)

“Visual Evidence and Scientific Representation: Bridging the Gap”

**287.Sedes Sapientiae Institute Colloquium**

August 12, 2010 (São Paulo, Brazil)

“An Epistemology for Psychoanalysis?”

**288.Philosophy Department Colloquium: Catholic University of Porto Alegre**

August 11, 2010 (Porto Alegre, Brazil)

“An Empiricist Theory of Perception”

**289.SBS International Bookstore Seminar**

August 6, 2010 (São Paulo, Brazil)

“Representation in Science and Art”

**290.International Seminar in Philosophy and History of Science: University of São Paulo**

August 6, 2010 (São Paulo, Brazil)

“Beyond Microscopy”

**291.International Seminar in Philosophy and History of Science: University of São Paulo**

August 4, 2010 (São Paulo, Brazil)

“Empiricism and Microscopy”

**292.Annual Meeting of the British Society for the Philosophy of Science**

July 8-9, 2010 (Dublin, Ireland)

“Imaging and Evidence in Biology”

**293.Federal University of Paraíba: Philosophy Department Seminar Series**

July 7, 2010 (João Pessoa, Brazil)

“What Can Be Observed with a Microscope?”

**294.Federal University of Paraíba: Philosophy Department Seminar Series**

July 6, 2010 (João Pessoa, Brazil)  
 “Observation and Visual Evidence in Scientific Practice”

**295.Federal University of Paraíba: Philosophy Department Seminar Series**

July 6, 2010 (João Pessoa, Brazil)  
 “An Empiricist Theory of Perception”

**296.Federal University of Paraíba: Philosophy Department Seminar Series**

July 5, 2010 (João Pessoa, Brazil)  
 “Observation and Empiricism in Science”

**297.International Seminar in Philosophy and History of Science: University of São Paulo**

June 25, 2010 (São Paulo, Brazil)  
 “Image Generation, Visual Evidence and Knowledge”

**298.International Seminar in Philosophy and History of Science: University of São Paulo**

June 18, 2010 (São Paulo, Brazil)  
 “Visual Evidence and Observation: Epistemic Conditions”

**299.International Seminar in Philosophy and History of Science: University of São Paulo**

June 16, 2010 (São Paulo, Brazil)  
 “Thinking about Microscopy: Optical, Electron and Probe”

**300.International Seminar in Philosophy and History of Science: University of São Paulo**

June 11, 2010 (São Paulo, Brazil)  
 “Visual Evidence”

**301.International Seminar in Philosophy and History of Science: University of São Paulo**

June 4, 2010 (São Paulo, Brazil)  
 “Perception and Perceptual Experience”

**302.International Seminar in Philosophy and History of Science: University of São Paulo**

June 2, 2010 (São Paulo, Brazil)  
 “Visual Evidence and Scientific Representation: A Framework”

**303.Grand Rounds: Mercy Hospital**

May 26, 2010 (Miami, FL)  
 “Evidence in Medicine”

**304.Models and Simulations 4**

May 7-9, 2010 (Toronto, Canada)  
 “Computer Simulations: An Inferential Conception”

**305.Physician Academic Group**

April 22, 2010 (Miami, FL)  
 “Evidence in Medicine”

**306.Fresno City College Philosophy Annual Lecture**

April 16, 2010 (Fresno, CA)  
 “Visual Evidence and Scientific Representation”

**307.2010 Pacific Division Meeting of the American Philosophical Association**

March 31-April 4, 2010 (San Francisco, CA)  
 “Indispensability and Configuration-Space Realism”

**308.2010 Pacific Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

March 31-April 4, 2010 (San Francisco, CA)  
 “Is the Pyrrhonist an Internalist?”

**309.2010 Pacific Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

March 31-April 4, 2010 (San Francisco, CA)  
 “Scientific Modeling and Scientific Representation: The Peculiar Case of Applied Mathematics”

**310.School of Architecture Colloquium Series: University of Miami**

March 24, 2010 (Coral Gables, FL)  
 “Function and Beauty in the Built Environment”

**2009**

**311.2009 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

December 27-30, 2009 (New York City)  
 “Mathematical Fictionalism”

**312.2009 Eastern Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

December 27-30, 2009 (New York City)  
 “Infinitism and Pyrrhonism”

**313.2009 Eastern Division Meeting of the American Philosophical Association: Society for Iberian and Latin American Thought**

December 27-30, 2009 (New York City)  
 “Latin American Philosophy: Its Impact and Significance”

**314.2009 Eastern Division Meeting of the American Philosophical Association**

December 27-30, 2009 (New York City)  
 “Law and Latinos”

**315.Practice-Based Philosophy of Logic and Mathematics**

August 31-September 2, 2009 (Amsterdam)  
 “Reconsidering the Pure and Applied Logic Distinction”

**316.Science, Truth and Consistency Conference**

August 25-28, 2009 (UNICAMP, Brazil)  
 “Partial Truth and Visual Evidence”

**317.Philosophy Department Colloquium: Federal University of Minas Gerais**

August 21, 2009 (Belo Horizonte, Brazil)  
 “Science and Skepticism”

**318.Sedes Sapientiae Institute**

August 19, 2009 (São Paulo, Brazil)  
 “Art and Psychoanalysis: Three Models”

**319.Philosophy Department Colloquium: University of São Paulo**

August 14, 2009 (São Paulo, Brazil)  
 “Inference and Scientific Evidence”

**320.Philosophy Department Colloquium: Catholic University of Porto Alegre**

August 7, 2009 (Porto Alegre, Brazil)  
 “Scientific Evidence: Features and Limitations”

**321.VI International Symposium Principia**

August 3-6, 2009 (Florianópolis, Brazil)

“Visual Evidence in Biology”

**322.Annual Meeting of the British Society for the Philosophy of Science**

July 13-14, 2009 (University of East Anglia)

“Visual Evidence in Biology”

**323.Sedes Sapientiae Institute**

July 7, 2009 (São Paulo, Brazil)

“Epistemological Issues in Psychoanalysis”

**324.Philosophy of Logic Workshop: University of São Paulo**

July 2-3, 2009 (São Paulo, Brazil)

“Logic and Nonexistence”

**325.Annual Meeting of the Society for Exact Philosophy**

May 7-9, 2009 (Edmonton, Canada)

“Truth, Trivialism, and Perceptual Illusions”

**326.2009 Pacific Division Meeting of the American Philosophical Association**

April 8-12, 2009 (Vancouver)

“Art and Scientific Representation”

**327.2009 Pacific Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

April 8-12, 2009 (Vancouver)

“Identity in Physics: Some Tensions”

**328.2009 Pacific Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

April 8-12, 2009 (Vancouver)

“Williamson’s Rejection of Skepticism”

**329.History and Philosophy of Science Senior Seminar: University of Leeds**

April 3, 2009 (Leeds, UK)

“Scientific Representation and Depiction: Some Limitations”

**330.Plastic Surgery Grand Rounds: University of Miami School of Medicine**

March 18, 2009 (Miami, FL)

“Evidence and Elegance: Considerations from Art and Science”

**331.2009 Central Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

February 18-21, 2009 (Chicago)

“Idealization in Science: An Inferential Conception”

**332.2009 Epistemology Conference: University of Miami**

January 15-17, 2009 (Coral Gables, FL)

“Naturalism” (Round table discussion.)

**2008****333.2008 Eastern Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

December 27-30, 2008 (Philadelphia)

“Skeptical Presuppositions?”

**334.2008 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

December 27-30, 2008 (Philadelphia)  
 “Fictional Objects”

**335.Philosophy Department Colloquium: Tufts University**

December 12, 2008 (Boston)  
 “Visual Evidence”

**336.Physics Meets Biology: Perspectives from Philosophy, History and Science**

November 18-20, 2008 (Royal Society of Edinburgh)  
 “When Physics and Biology Meet: The Nanoscale Case”

**337.Philosophy Department Colloquium: Northwestern University**

October 31, 2008 (Chicago, IL)  
 “The Philosophical Import of Yablo’s Paradox”

**338.31<sup>st</sup> International Wittgenstein Symposium**

August 10-16, 2008 (Kirchberg, Austria)  
 “Ontological Reduction and Nominalism”

**339.Ancient Pyrrhonism and its Influence on Modern and Contemporary Philosophy**

August 6-8, 2008 (Buenos Aires, Argentina)  
 “Neo-Pyrrhonism, Empiricism, and Scientific Activity”

**340.Philosophical Logic Workshop**

August 4-5, 2008 (Buenos Aires, Argentina)  
 “Yablo’s Paradox and its Philosophical Significance”

**341.Fourth World Congress of Paraconsistency**

July 13-18, 2008 (Melbourne, Australia)  
 “Inconsistent Mathematical Theories and Applications”

**342.Fourth World Congress of Paraconsistency**

July 13-18, 2008 (Melbourne, Australia)  
 “Paraconsistent Quasi-Set Theory” (with Décio Krause)

**343.Workshop: Is Science Inconsistent?**

June 21, 2008 (Leeds, UK)  
 “Inconsistent Scientific Theories: A Framework”

**344.Philosophy Department Colloquium: PUC-Porto Alegre, Brazil**

May 26, 2008 (Porto Alegre, Brazil)  
 “Neo-Pyrrhonism Revisited”

**345.14<sup>th</sup> Latin-American Symposium on Mathematical Logic and 15<sup>th</sup> Brazilian Logic Conference**

May 11-17, 2008 (Paraty, Brazil)  
 “Second-order Logic, Once Again”

**346.New Waves in Philosophy of Mathematics Conference**

April 24-26, 2008 (Coral Gables, FL)  
 “Mathematical Fictionalism”

**347.2008 Central Division Meeting of the American Philosophical Association**

April 17-20, 2008 (Chicago, IL)



“Warranted Assertability and the Rules of Assertion”

**348.2008 Pacific Division Meeting of the American Philosophical Association**

March 18-23, 2008 (Pasadena, CA)

“Pyrrhonism: Old and New”

**349.2008 Pacific Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

March 18-23, 2008 (Pasadena, CA)

“Skepticism, Externalism, and Dreams”

**350.Indiana University’s History and Philosophy of Science Department Colloquium**

February 29, 2008 (Bloomington, IN)

“Scientific Representation and Microscopy”

**2007**

**351.2007 Eastern Division Meeting of the American Philosophical Association**

December 27-30, 2007 (Baltimore, MD)

“Sosa and Skepticism”

**352.2007 Eastern Division Meeting of the American Philosophical Association**

December 27-30, 2007 (Baltimore, MD)

“Thinking about Fiction: Borges and Beyond”

**353.2007 Eastern Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

December 27-30, 2007 (Baltimore, MD)

“Contextualism: A Pyrrhonist Defense”

**354.Belief Revision and Philosophy of Science Workshop: Lund University**

December 7-8, 2007 (Lund, Sweden)

“Mapping Scientific Change: A Framework for Belief Revision”

**355.2007 European Philosophy of Science Association Conference**

November 15-17, 2007 (Madrid)

“Picturing What Isn’t There”

**356.8<sup>th</sup> RAIME International Symposium (Research Alliance of Institutes for Music Education)**

November 8-10, 2007 (University of Miami)

“Interpreting Music: Beyond Platonism”

**357.Modality in Science Conference: University of Colorado, Boulder**

October 12-13, 2007 (Boulder)

“The Modal and the Observable”

**358.2007 Annual Meeting of the Society for Social Studies of Science**

October 11-13, 2007 (Montreal, Canada)

“Imaging in Nanotechnology”

**359.Third Latin American Workshop on Non-Monotonic Reasoning**

September 17-19, 2007 (Puebla, Mexico)

“Paraconsistency and Scientific Reasoning”

**360.Third Latin American Workshop on Non-Monotonic Reasoning**

September 17-19, 2007 (Puebla, Mexico)

“Paraconsistency and Reasoning about Fiction”

**361.Rethinking Popper**

September 10-14, 2007 (Prague)

“Why Advocate Pancritical Rationalism?” (with Darrell Rowbottom)

**362.13th International Congress of Logic, Methodology and Philosophy of Science**

August 9-15, 2007 (Beijing, China)

“Scientific Representation and Nominalism”

**363.Fifth Principia International Symposium: The Philosophy of Bas van Fraassen**

August 6-9, 2007 (Florianópolis, Brazil)

“Scientific Representation and Nominalism: An Empiricist View”

**364.Fifth Principia International Symposium: The Philosophy of Bas van Fraassen**

August 6-9, 2007 (Florianópolis, Brazil)

“Skolem and van Fraassen’s Paradox” (with Décio Krause)

**365.2007 Joint Session of the Aristotelian Society and Mind Association**

July 6-9, 2007 (Bristol, UK)

“Contextualism: A Pyrrhonist Defense”

**366.2007 Annual Conference of the British Society for the Philosophy of Science**

July 5-6, 2007 (Bristol, UK)

“Can We Track Quantum Objects?”

**367.2007 Annual Conference of the British Society for the Philosophy of Science**

July 5-6, 2007 (Bristol, UK)

“How to Change It: Modes of Engagement, Rationality, and Stance Voluntarism” (with Darrell Rowbottom)

**368.The Epistemology of Keith Lehrer**

June 27-29, 2007 (Porto Alegre, Brazil)

“Knowledge and Coherence”

**369.Nanotechnology and Society: The Organization and Policy of Innovation**

May 17-18, 2007 (University of Massachusetts, Amherst)

“Perceiving Nanoscale Phenomena: Interpreting and Disseminating Nanoscale Images”

**370.2007 Central Division Meeting of the American Philosophical Association**

April 18-21, 2007 (Chicago, IL)

“Rethinking Assertion, Knowledge, and Justification”

**371.2007 Central Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

April 18-21, 2007 (Chicago, IL)

“Can a Nominalist about Quantum Mechanics Be a Realist about Quantum Objects?”

**372.2007 Pacific Division Meeting of the American Philosophical Association**

April 3-8, 2007 (San Francisco, CA)

“Truth, Inconsistency, and Rationality”

**373.2007 Pacific Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

April 3-8, 2007 (San Francisco, CA)

“Relativism Revisited”

**374.2007 Epistemology Conference: University of Miami**

January 11-13, 2007 (Miami, FL)

“Contextualism Contextually Defended”

## 2006

### **375.2006 Eastern Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

December 27-30, 2006 (Washington, DC)

“Skepticism and Perceptual Experience”

### **376.2006 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

December 27-30, 2006 (Washington, DC)

“Can We Track Quantum Objects?”

### **377.Philosophy Department Colloquium: Western Michigan University**

November 20, 2006 (Kalamazoo)

“Realism, Vision, and Microscopy”

### **378.2006 Florida Philosophical Association Meeting: University of South Florida**

November 9-11, 2006 (Tampa)

“How Structuralism Can Solve the ‘Access’ Problem”

### **379.British Society for the Philosophy of Science Lecture: London School of Economics**

October 30, 2006 (London)

“Microscopic Vision?”

### **380.Philosophy Department Colloquium: University of Miami**

October 13, 2006 (Miami)

“How to Be a Fictionalist About Mathematics”

### **381.2006 Joint Session of the Aristotelian Society and the Mind Association**

July 7-9, 2006 (University of Southampton)

“Fitch’s Paradox: A Dilemma for Platonism”

### **382.2006 Annual Meeting of the British Society for the Philosophy of Science**

July 6-7, 2006 (University of Southampton)

“Realism about Microscopy?”

### **383.Mathematics Department Colloquium: Federal University of Paraná, Brazil**

June 29, 2006 (Curitiba, Brazil)

“Realism and Microscopy”

### **384.Beyond Mimesis and Nominalism: Representation in Art and Science**

June 22-23, 2006 (London)

“Scientific Imaging: Representation, Mechanization and Interpretation”

### **385.Structuralism Workshop: University of Leeds, UK**

June 21, 2006 (University of Leeds, UK)

“How to Be a Nonstandard Structuralist”

### **386.Philosophy Department Colloquium: Federal University of Santa Catarina, Brazil**

June 14, 2006 (Florianópolis, Brazil)

“An Epistemology for Microscopy”

### **387.II International Philosophy Symposium**

June 2-3, 2006 (Brasília, Brazil)

“Realism and Microscopy: Problems and Possibilities”

**388.Philosophy Department Colloquium: University of Brasília**

June 2, 2006 (Brasília, Brazil)

“An Epistemology for Microscopy”

**389.V History and Philosophy of Science Meeting**

May 22-25, 2006 (Florianópolis, Brazil)

“Theoretical Pluralism” (with Newton da Costa and Décio Krause)

**390.Annual Meeting of the Society for Exact Philosophy: University of California, San Diego**

May 18-21, 2006 (La Jolla, CA)

“An Anti-Realist Account of the Application of Mathematics”

**391.South Carolina Citizens’ School of Nanotechnology: A Panel Discussion**

May 3, 2006 (Columbia, SC)

Panel Discussion on Nanotechnology (with Davis Baird, Robert Best, Samuel Darko, Godfrey Mbah, Chris Toumey, Tom Vogt, and Ming Yin)

**392.2006 Central Division Meeting of the American Philosophical Association**

April 26-29, 2006 (Chicago)

“How Structuralism Can Solve the ‘Access’ Problem”

**393.South Carolina Citizens’ School of Nanotechnology**

April 12, 2006 (Columbia, SC)

“Controversies and the Future of Nanotechnology”

**394.2006 Pacific Division Meeting of the American Philosophical Association**

March 21-26, 2006 (Portland, Oregon)

“How Structuralism Can Solve the ‘Access’ Problem”

**395.2006 Pacific Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

March 21-26, 2006 (Portland, Oregon)

“Davidson and Skepticism: How Not to Respond to the Skeptic”

**396.2006 Pacific Division Meeting of the American Philosophical Association: Mini-Conference on Scientific Images**

March 21-26, 2006 (Portland, Oregon)

Commentator: “Scientific Images and Microscopy”

**397.Philosophy Department Colloquium: University of Miami**

March 3, 2006 (Miami, FL)

“Realism and Microscopy: Problems and Prospects”

**398.Philosophy Department Colloquium: Tufts University**

February 24, 2006 (Boston)

“Microscopy: How Existence and Ontological Independence May Come Apart”

**399.2006 Joint Meeting of the North Carolina Philosophical Society and the South Carolina Society for Philosophy**

February 17-19, 2006 (University of South Carolina)

“Logicism without Platonism”

**400. Network for Nanotechnology in Society Meeting: National Science Foundation**

February 8, 2006 (Washington, DC)

“Understanding, Scientific Practice, and Nanotechnology” (with Davis Baird, Ann Johnson, Chris Robinson, and Chris Toumey)

**2005****401.2005 Eastern Division Meeting of the American Philosophical Association**

December 27-30, 2005 (New York City)

“A New Form of Nominalism?”

**402.2005 Eastern Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

December 27-30, 2005 (New York City)

“Pyrrhonism and the Empirical Stance”

**403.2005 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Antirealist Discussion**

December 27-30, 2005 (New York City)

“An Anti-Realist Account of the Application of Mathematics”

**404.2005 Eastern Division Meeting of the American Philosophical Association**

December 27-30, 2005 (New York City)

“Anglo and Hispanic Values in Flux: How to Combine Them”

**405.Philosophy Department Colloquium: University of South Carolina**

December 2, 2005 (Columbia, SC)

“What Is So Special About Observation?”

**406.Nano Culture Seminar: University of South Carolina**

November 22, 2005 (Columbia, SC)

“Microscopic Vision?”

**407.South Carolina Citizens’ School of Nanotechnology: A Panel Discussion**

November 9, 2005 (University of South Carolina)

Panel Discussion on Nanotechnology (with Davis Baird, Robert Best, Cathy Murphy, Chris Robinson, and Chris Toumey)

**408.South Carolina Citizens’ School of Nanotechnology**

November 2, 2005 (University of South Carolina)

“Controversies in Nanotechnology”

**409.Conference of the Society for Social Studies of Science**

October 20-22, 2005 (Pasadena, CA)

“The Controversial Status of Realism About Microscopy”

**410.II International Seminar of Nanotechnology, Society and Environment**

October 19-21, 2005 (University of São Paulo, Brazil)

“The Ethics and Epistemology of Images in Nanotechnology”

**411.Logic and Philosophy of Science Colloquium: University of Toronto**

September 30, 2005 (Toronto, Canada)

“Problems for Realism in Microscopy”

**412.IV International Workshop on Computational Models of Scientific Reasoning and Applications**

September 21-23, 2005 (Lisbon, Portugal)

“Defeasible Reasoning and Partial Models: A Formal Framework for the Methodology of Research Programs” (with Fernando Tohmé and Claudio Delrieux)

**413.IV International Symposium Principia**

August 8-11, 2005 (Florianópolis, Brazil)

“Davidson and Skepticism: How Not to Respond to the Skeptic”

**414. Workshop on ‘Semantics and Meaning’**

July 25-28, 2005 (CLE, UNICAMP, Brazil)

“Modal Epistemology: Some Limitations”

**415. 8<sup>th</sup> International History, Philosophy, Sociology and Science Teaching Conference**

July 15-18, 2005 (University of Leeds, UK)

“Scientific Instruments and the History, Philosophy, and Sociology of Science”

**416. 2005 Joint Session of the Aristotelian Society and the Mind Association**

July 8-11, 2005 (University of Manchester)

“How Structuralism Can Solve the ‘Access’ Problem”

**417. 2005 Annual Meeting of the British Society for the Philosophy of Science**

July 7-8, 2005 (University of Manchester)

“An Anti-Realist Account of the Application of Mathematics”

**418. Symposium on the Concept of Matter in the History of Science**

June 24, 2005 (University of São Paulo, Brazil)

“Images and Representation in Nanotechnology”

**419. Philosophy Department Colloquium: Federal University of Santa Catarina, Brazil**

June 16, 2005 (Florianópolis, Brazil)

“Mathematics, Representation, and Structural Realism”

**420. Philosophy Department Colloquium: Federal University of Santa Catarina, Brazil**

June 15, 2005 (Florianópolis, Brazil)

“How Not to Be a Realist About Microscopy”

**421. Philosophy Department Colloquium: University of São Paulo, Brazil**

June 10, 2005 (University of São Paulo, Brazil)

“Realism and Microscopy”

**422. Philosophy Department Colloquium: University São Judas Tadeu, Brazil**

May 31, 2005 (São Paulo, Brazil)

“Skepticism and Contemporary Empiricism”

**423. Canadian Philosophical Association Meeting**

May 28-31, 2005 (University of Western Ontario, London, Canada)

“Mathematics and Constructive Empiricism: Fictionalism and Quasi-Truth”

**424. Imaging NanoSpace Conference**

May 11-14, 2005 (Bielefeld, Germany)

“Picturing What Isn’t There”

**425. 2005 Central Division Meeting of the American Philosophical Association**

April 27-30, 2005 (Chicago)

“Logic and Philosophy of Science in Brazil: Partiality, Truth and Structural Realism”

**426. 2005 Central Division Meeting of the American Philosophical Association: Society for Realist/Antirealist Discussion**

April 27-30, 2005 (Chicago)

“Realism about Microscopy?”

**427.2005 Central Division Meeting of the American Philosophical Association: Society for Realist/Antirealist Discussion**

April 27-30, 2005 (Chicago)

“Realism, Truth, and Reference: Comments on Huschle and Kampus”

**428.Science Studies and Nano Culture Seminar**

April 20, 2005 (University of South Carolina)

“Scanning Tunneling Microscopy, Modeling and All That: How Not to be a Realist About Microscopy”

**429.Philosophy Department Colloquium: Virginia Tech**

April 1, 2005 (Blacksburg, VA)

“Mathematics, Structural Realism and Representation”

**430.2005 Association for Symbolic Logic Spring Meeting (with the American Philosophical Association)**

March 23-27, 2005 (San Francisco)

“Pluralism About Logical Pluralism”

**431.2005 Pacific Division Meeting of the American Philosophical Association**

March 23-27, 2005 (San Francisco)

“Analytic Philosophy and its Reception”

**432.2005 Pacific Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

March 23-27, 2005 (San Francisco)

“Skepticism About Modal Knowledge”

**433.2005 Association for Symbolic Logic Annual Meeting**

March 19-22, 2005 (Stanford University)

“Nominalistic Metalogic”

**2004**

**434.2004 Eastern Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

December 27-30, 2004 (Boston)

“How Pyrrhonism Can Help the Empirical Stance”

**435.2004 Eastern Division Meeting of the American Philosophical Association: Society for Philosophy and Technology**

December 27-30, 2004 (Boston)

“An Epistemology of Scientific Instruments”

**436.2004 Eastern Division Meeting of the American Philosophical Association: Society for Realist/Antirealist Discussion**

December 27-30, 2004 (Boston)

“13 Objections Against the Indispensability Argument”

**437.2004 Biennial Meeting of the Philosophy of Science Association**

November 18-21, 2004 (Austin, Texas)

“Representation at the Nanoscale”

**438.Fifth Annual Midwest Philosophy of Mathematics Workshop: University of Notre Dame**

November 6-7, 2004 (University of Notre Dame)

“Mathematics and Fiction”

**439.Philosophy Department Colloquium: Stanford University**

October 8, 2004 (Stanford)

“How to Dissolve the Problem of the Application of Mathematics”

**440.Philosophy Senior Seminar: University of Leeds**

September 30, 2004 (Leeds, UK)

“Mathematics and Fiction”

**441.History and Philosophy of Science Seminar: University of Leeds**

September 28, 2004 (Leeds, UK)

“Big Problems About Small Things: Philosophy at the Nanoscale”

**442.International Congress: Thought Experiments Rethought**

September 24-25, 2004 (Ghent University, Belgium)

“Conceivability, Possibility and Cartesian Strategies”

**443.Modal Epistemology Conference**

September 23, 2004 (Brussels, Belgium)

“Modal Realism and Modal Epistemology: A Huge Gap” (with Scott Shalkowski)

**444.Philosophy Seminar: London School of Economics**

September 21, 2004 (London)

“How to Dissolve the Problem of the Application of Mathematics”

**445.Philosophy: Problems, Aims, Responsibilities (Conference on Karl Popper)**

September 16-18, 2004 (University of Warwick, UK)

“Realism and Truth in *The Logic of Scientific Discovery*”

**446.Philosophy Department Colloquium: PUC, Rio de Janeiro, Brazil**

August 6, 2004 (Rio de Janeiro, Brazil)

“How to Be a Fictionalist about Mathematics”

**447.Philosophy Department Colloquium: State University of Rio de Janeiro, Brazil**

August 5, 2004 (Rio de Janeiro, Brazil)

“Application of Mathematics: The Problem Dissolved”

**448.Philosophy of Science Colloquium: National University of Quilmes, Buenos Aires, Argentina**

July 30, 2004 (Buenos Aires, Argentina)

“Scientific Change, Partial Denotation and Incommensurability”

**449.Philosophy Colloquium: Plasebo, Campo Grande, Brazil**

July 27, 2004 (Campo Grande, Brazil)

“Artists and Scientists: Puzzlement and Change”

**450.2004 Joint Session of the Aristotelian Society and the Mind Association**

July 9-12, 2004 (University of Kent at Canterbury)

“Why the Notion of Logical Consequence Cannot Be Analyzed”

**451.2004 Annual Conference of the British Society for the Philosophy of Science**

July 8-9, 2004 (University of Kent at Canterbury)

“Is Group Theory Indispensable to Quantum Mechanics?”

**452.Philosophy Department Colloquium: Federal University of Santa Catarina, Brazil**

July 5, 2004 (Florianópolis, Brazil)

“How to Dissolve the Problem of the Application of Mathematics”

**453.Philosophy Department Colloquium: Federal University of Santa Catarina, Brazil**

July 5, 2004 (Florianópolis, Brazil)



“Mathematics and Fiction”

**454.IV International Seminar in the Philosophy and History of Science: The Platonism/Nominalism Debate in the Philosophy of Mathematics**

July 2, 2004 (University of São Paulo, Brazil)

“Dissolving the Problem of the Application of Mathematics and the Empirical Nature of Mathematical Knowledge”

**455.IV International Seminar in the Philosophy and History of Science: The Platonism/Nominalism Debate in the Philosophy of Mathematics**

June 25, 2004 (University of São Paulo, Brazil)

“On the Existence of Mathematical Objects and our Epistemic Access to Them”

**456.IV International Seminar in the Philosophy and History of Science: The Platonism/Nominalism Debate in the Philosophy of Mathematics**

June 18, 2004 (University of São Paulo, Brazil)

“Mathematical Knowledge: Two Fictionalist Strategies”

**457.IV International Seminar in the Philosophy and History of Science: The Platonism/Nominalism Debate in the Philosophy of Mathematics**

June 11, 2004 (University of São Paulo, Brazil)

“Mathematical Knowledge: Two Platonist Strategies”

**458.IV International Seminar in the Philosophy and History of Science: The Platonism/Nominalism Debate in the Philosophy of Mathematics**

June 4, 2004 (University of São Paulo, Brazil)

“Nominalism and Mathematical Knowledge”

**459.IV International Seminar in the Philosophy and History of Science: The Platonism/Nominalism Debate in the Philosophy of Mathematics**

May 28, 2004 (University of São Paulo, Brazil)

“Realism and Anti-realism about Mathematics and the Indispensability Argument”

**460.Philosophy Research Seminar: University of South Carolina**

April 27, 2004 (Columbia, SC)

“Dissolving the Problem of the Application of Mathematics”

**461.2004 Central Division Meeting of the American Philosophical Association: Society for Realist/Antirealist Discussion**

April 22-25, 2004 (Chicago, IL)

“Why Mathematical Realism is Incompatible with the Indeterminacy of Reference”

**462.Philosophy of Logic Workshop: University of North Carolina, Chapel Hill**

April 16-18, 2004 (Chapel Hill, NC)

“Logic and the Web of Belief: Comments on Shapiro”

**463.Stanford Logic Seminar: Stanford University**

April 2, 2004 (Stanford University)

“Mathematical Objects and Fictional Characters”

**464.Philosophy Department Colloquium: California State University, Fresno**

March 30, 2004 (Fresno, CA)

“Big Problems about Small Things: Philosophy at the Nanoscale”

**465.2004 Pacific Division Meeting of the American Philosophical Association**

March 24-28, 2004 (Pasadena, CA)

“Descartes’ Quasi-Platonism About Mathematical Essences” (with Raffaella De Rosa)

**466.2004 Pacific Division Meeting of the American Philosophical Association: Society for Realist/Antirealist Discussion**

March 24-28, 2004 (Pasadena, CA)

“How Is Structural Empiricism Possible?”

**467.NanoCulture Seminar Series: University of South Carolina**

March 22, 2004 (Columbia, SC)

“The Drexler-Smalley Debate on Nanotechnology”

**468.Imaging and Imagining NanoScience and Engineering**

March 4-7, 2004 (University of South Carolina)

“Representation at the Nanoscale”

**469.2004 Joint Meeting of the North Carolina Philosophical Society and the South Carolina Society for Philosophy (North Carolina State University)**

February 6-7, 2004 (Raleigh, NC)

“Why the Notion of Logical Consequence Cannot Be Analyzed”

**470.2004 Joint Meeting of the North Carolina Philosophical Society and the South Carolina Society for Philosophy (North Carolina State University)**

February 6-7, 2004 (Raleigh, NC)

“Representing and Intervening at the Nanoscale”

**2003**

**471.2003 Eastern Division Meeting of the American Philosophical Association: Society for Skeptical Studies**

December 27-30, 2003 (Washington, DC)

“How to Be a Pyrrhonist about Empirical Knowledge”

**472.Midwest Seminar for the History of Early Modern Philosophy (University of Wisconsin-Madison)**

December 6-7, 2003 (University of Wisconsin-Madison)

“Descartes’ Quasi-Platonism About Mathematical Essences” (with Raffaella De Rosa)

**473.Philosophy of Physics Colloquium (University of Illinois, Chicago)**

December 5, 2003 (Chicago, IL)

“Nominalizing Quantum Mechanics”

**474.Junior Faculty Seminars: College of Liberal Arts, University of South Carolina**

November 10, 2003 (Columbia, SC)

“Science and Art: Revolution and Representation”

**475.Abstract Objects Symposium**

October 24, 2003 (University of Kentucky, Lexington)

“Why Mathematical Objects Are Just Fictional Entities”

**476.Discovering the Nanoscale, II**

October 9-12, 2003 (Technical University of Darmstadt, Germany)

“Von Neumann and Nanoscience”

**477.NanoCulture Seminar Series, University of South Carolina**

October 6, 2003 (Columbia, SC)

“From von Neumann to Drexler: Roots to Nanoscience”

- 478.Philosophy Research Seminar, University of South Carolina**  
 September 23, 2003 (Columbia, SC)  
 “Why Mathematical Objects Are Just Fictional Entities”
- 479.Computational Models of Scientific Reasoning and Applications**  
 September 14-15, 2003 (Buenos Aires, Argentina)  
 “Application of Mathematics and Underdetermination”
- 480.III International Symposium *Principia***  
 September 8-11, 2003 (Florianópolis, Brazil)  
 “Quine’s Double Standard: Undermining the Indispensability Argument via the Indeterminacy of Reference”
- 481.12th International Congress of Logic, Methodology and Philosophy of Science**  
 August 7-13, 2003 (Oviedo, Spain)  
 “Is Group Theory Indispensable to Quantum Mechanics?”
- 482.III World Congress on Paraconsistency**  
 July 28-31, 2003 (Toulouse, France)  
 “Dialetheism and the Liar: How to Be Agnostic About True Contradictions”
- 483.Applicability of Mathematics Workshop (University of Leeds, UK)**  
 July 23, 2003 (Leeds, UK)  
 “Is There a Problem of the Application of Mathematics?”
- 484.2003 Joint Session of the Aristotelian Society and the Mind Association**  
 July 18-21, 2003 (Queen’s University of Belfast, Belfast)  
 “Is Full-Blooded Platonism Defensible?”
- 485.Annual Meeting of the British Society for the Philosophy of Science**  
 July 17-18, 2003 (Queen’s University of Belfast, Belfast)  
 “Dirac and the Delta Function”
- 486.2003 Australasian Association of Philosophy Conference**  
 July 6-11, 2003 (University of Adelaide)  
 “Dissolving the Realism Issue in the Philosophy of Mathematics?”
- 487.2003 Australasian Association of Logic Conference**  
 July 5-6, 2003 (University of Adelaide)  
 “A Defence of Second-order Logic”
- 488.2003 Australasian Association for History, Philosophy and Social Studies of Science Conference**  
 June 30-July 3, 2003 (Melbourne University)  
 “Mathematical Fictionalism and Mathematical Practice”
- 489.Philosophy of Mathematics Workshop (University of Queensland, Australia)**  
 June 20, 2003 (Brisbane, Australia)  
 “Incommensurability in Mathematics”
- 490.Philosophy Department Colloquium, University of Queensland, Australia**  
 June 6, 2003 (Brisbane, Australia)  
 “How to Be an Empiricist”
- 491.Society for Exact Philosophy Conference**  
 May 15-18, 2003 (Vancouver, Canada)  
 “Dissolving the Realism Issue in the Philosophy of Mathematics?”

**492.2003 Central Division Meeting of the American Philosophical Association: Society for Realist/Anti-Realist Discussion**

April 24-26, 2003 (Cleveland)

“Fictionalism and Mathematical Practice”

**493.2003 Philosophy of Science Conference: Inter-University Center, Dubrovnik**

April 14-19, 2003 (Dubrovnik)

“New Forms of Empiricism”

**494.Philosophy of Mathematics Working Group: Wayne State University**

April 4, 2003 (Detroit, MI)

“Mathematical Fictionalism”

**495.Philosophy Department Colloquium: Wayne State University**

April 3, 2003 (Detroit, MI)

“How to Be an Empiricist”

**496.2003 Pacific Division Meeting of the American Philosophical Association**

March 26-30, 2003 (San Francisco)

“Deflationary Dialetheism”

**497.2003 Pacific Division Meeting of the American Philosophical Association: 2003 Meeting of the Society for Realist/Antirealist Discussion**

March 26-30, 2003 (San Francisco)

“Realism, Pragmatism, and Philosophy of Science: Comments on Hanna, Vineberg, and Seidel”

**498.“Discovering the Nanoscale” Conference: University of South Carolina**

March 21-23, 2003 (Columbia, SC)

“Von Neumann, Self-Reproduction and the Constitution of Nanophenomena”

**499.Philosophy Research Seminars, University of South Carolina**

March 18, 2003 (Columbia, SC)

“Why Logic Is Not A Priori”

**500.2003 Annual Conference of the South Carolina Society for Philosophy**

March 7-8, 2003 (University of South Carolina, Lancaster)

“Problems for Full-Blooded Platonism”

**501.Philosophy Department Colloquium, University of Miami**

February 28, 2003 (Miami)

“An Easy Road to Nominalism”

**502.Philosophy Department Colloquium, University of Miami**

February 27, 2003 (Miami)

“How to be an Empiricist”

**503.Philosophy Department Colloquium, University of North Dakota**

January 30, 2003 (University of North Dakota)

“Is There More than One Logic?”

**2002****504.2002-03 Winter Meeting of the Association for Symbolic Logic (with the American Philosophical Association)**

December 27-30, 2002 (Philadelphia)

“Why the Notion of Logical Consequence Cannot Be Analyzed”

**505.2002 Eastern Division Meeting of the American Philosophical Association: 2002 Meeting of the Society for Skeptical Studies**

December 27-30, 2002 (Philadelphia)

“Skepticism About Logic: Is Logic A Priori?”

**506.Philosophy Department’s Research Seminar Series and Science Studies Group, University of South Carolina**

November 21, 2002 (University of South Carolina)

“How to Be an Empiricist”

**507.2002 Biennial Meeting of the Philosophy of Science Association**

November 7-10, 2002 (Milwaukee, Wisconsin)

“Is It Possible to Nominalize Quantum Mechanics?”

**508.Perspectives on Mathematical Practices (PMP 2002; Centre for Logic and Philosophy of Science)**

October 24-26, 2002 (Brussels, Belgium)

“Incommensurability in Mathematics”

**509.Dirac Centenary Conference**

September 30-October 2, 2002 (Baylor University, Texas)

“Dirac and the Delta Function”

**510.International Symposium: “Philosophical Insights into Logic and Mathematics: The History and Outcome of Alternative Semantics and Syntax” (Nancy, France)**

September 30-October 4, 2002 (Nancy)

“The Theory of Valuations and the Foundations of Logic” (with Newton da Costa, and presented by Jean-Yves Béziau)

**511.Annual Meeting of the British Society for the Philosophy of Science (University of Glasgow)**

July 4-5, 2002 (University of Glasgow)

“Is It Possible to Nominalize Quantum Mechanics?” (presented by Steven French)

**512.Computational Models of Scientific Reasoning and Applications (part of the 2002 International Conference on Artificial Intelligence, IC-AI’2002)**

June 24-27, 2002 (Las Vegas)

“Scientific Change and Partial Structures”

**513.Conference of the Society for Exact Philosophy**

May 23-26 (Washington University, Saint Louis)

“An Easy Road to Nominalism”

**514.Sixth Annual Seven Pines Symposium: “Symmetry and Symmetry Breaking in Physics” (University of Minnesota)**

May 15-19, 2002

“Weyl and Wigner: The Role of Group Theory in Quantum Mechanics”

**515.Philosophy Department Colloquium (California State University, Fresno)**

April 30, 2002 (Fresno)

“Science and Art: Representation and Interpretation”

**516.2002 Central Division Meeting of the American Philosophical Association**

April 24-27, 2002 (Chicago)

“Can Our Logical and Mathematical Concepts Be Jointly Indeterminate?”

**517.4th Annual Meeting of the Central Valley Philosophical Association**

April 13, 2002 (California State University, Fresno)

“Is Full-Blooded Platonism Defensible?”

**518.2002 Pacific Division Meeting of the American Philosophical Association: 2002 Meeting of the Society for Realist/Antirealist Discussion**

March 26-30, 2002 (Seattle)

“Dissolving the Realism Issue in the Philosophy of Mathematics?”

**519.2002 Pacific Division Meeting of the American Philosophical Association: 2002 Meeting of the Society for Skeptical Studies**

March 26-30, 2002 (Seattle)

“Skepticism About Mathematical Knowledge: Is Mathematical Knowledge Just Modal Knowledge?”

**520.Conference on Excellence in Teaching and Learning (Center for the Enhancement of Teaching and Learning)**

February 22, 2002 (California State University, Fresno)

“Science and Art: Revolution and Representation”

**521.Philosophy Department Colloquium (University of South Carolina)**

February 7, 2002 (Columbia)

“An Easy Road to Nominalism”

**522.2001-2 Winter Meeting of the Association for Symbolic Logic**

January 8-9, 2002 (San Diego)

“On the Referential Indeterminacy of Logical and Mathematical Concepts”

**2001**

**523.Philosophy of Physics Colloquium (University of California, Berkeley)**

December 15, 2001 (Berkeley)

“Weyl, Wigner and von Neumann: Is Group Theory Indispensable to Quantum Mechanics?”

**524.Second International Congress *Principia* (Federal University of Santa Catarina)**

August 6-10, 2001 (Florianópolis, Brazil)

“A Revival of Logicism?”

**525.Philosophy Department Colloquium (Macquarie University)**

July 20, 2001 (Sydney, Australia)

“Logical and Mathematical Indeterminacy”

**526.Philosophy Department Colloquium (University of Melbourne)**

July 12, 2001 (Melbourne, Australia)

“Logical and Mathematical Indeterminacy”

**527.Philosophy Department Colloquium (University of Tasmania)**

July 11, 2001 (Hobart, Australia)

“An Easy Road to Nominalism”

**528.Logical Pluralism Conference: Australasian Association of Philosophy**

July 4, 2001 (Hobart, Australia)

“Logical Pluralism: A Pluralist View”

**529.Annual Meeting of the Australasian Association of Philosophy**

July 2, 2001 (Hobart, Australia)

“Can Set Theory Be Nominalized?”

**530.Computational Models of Scientific Reasoning and Applications (part of the 2001 International Conference on Artificial Intelligence, IC-AI'2001)**

June 25-28, 2001 (Las Vegas)

“Scientific Rationality and Inconsistency: A Partial Structures Perspective”

**531.2001 Meeting of the Canadian Philosophical Association**

May 24-27, 2001 (Quebec City)

“Can Our Logical and Mathematical Concepts Be Jointly Indeterminate?”

**532.2001 Meeting of the Canadian Society for the History and Philosophy of Science**

May 24-27, 2001 (Quebec City)

“Is It Possible to Nominalize Quantum Mechanics?”

**533.Conference of the Society for Exact Philosophy**

May 11-14, 2001 (University of Montreal)

“The Truth About Truth”

**534.Conference of the Society for Exact Philosophy**

May 11-14, 2001 (University of Montreal)

“On the Operator ‘Solution’ to the Liar” (with JC Beall)

**535.Group of History and Philosophy of Logic, Mathematics and Science (University of California, Berkeley)**

May 2, 2001 (University of California, Berkeley)

“Can Set Theory Be Nominalized?”

**536.Economics Department Colloquium**

April 26, 2001 (California State University, Fresno)

“Beyond Bounded Rationality”

**537.Seminar in Quantum Logic (University of California, Berkeley)**

April 18, 2001 (University of California, Berkeley)

“A Mystery of Quantum Logic Explained”

**538.Philosophy Department Colloquium**

March 6, 2001 (California State University, Fresno)

“Revolution and Representation in Science and Art”

**539.Excellence in Teaching and Learning (Center for the Enhancement of Teaching and Learning)**

January 24, 2001 (California State University, Fresno)

“Understanding Science: A New Approach”

**540.Symmetries in Physics: New Reflections**

January 12-14, 2001 (Oxford University)

“Weyl and von Neumann: Symmetry, Group Theory and Quantum Mechanics”

**2000**

**541.2000 Eastern Division Meeting of the American Philosophical Association**

December 27-30, 2000 (New York)

“Nominalism and Metalogic”

**542.Physics Department Colloquium**

November 17, 2000 (California State University, Fresno)

“Interpretations of Quantum Mechanics”

**543.2000 Meeting of the Philosophy of Science Association (Vancouver, Canada)**

November 2-5, 2000 (Vancouver, Canada)

“Application of Mathematics and Underdetermination”

**544.Philosophy Department Colloquium (Simon Fraser University, Vancouver)**

October 31, 2000 (Vancouver, Canada)

“Logical and Mathematical Indeterminacy”

**545.3rd Annual Meeting of the Central Valley Philosophical Association**

October 21, 2000 (California State University, Fresno)

“Logical and Mathematical Indeterminacy”

**546.Annual Conference of the British Society for the Philosophy of Science (University of Sheffield)**

July 6-7, 2000 (Sheffield, UK)

“How is Structural Empiricism Possible?”

**547.2000 Meeting of the Canadian Society for the History and Philosophy of Science**

May 25-27, 2000 (University of Alberta)

“Was Carnap a Logician?”

**548.Philosophy Department Colloquium**

May 9, 2000 (California State University, Fresno)

“The Truth about Truth”

**549.Conference on Naturalism: The Nature of Nature**

April 12-15, 2000 (Baylor University, Waco, Texas)

“Application of Mathematics, Naturalism and Underdetermination”

**550.2000 Pacific Division Meeting of the American Philosophical Association**

April 5-8, 2000 (Albuquerque, New Mexico)

“Nominalism and Metalogic”

**1999****551.Conference for the Belgian Society for Logic and Philosophy of Science**

November 27, 1999 (Brussels)

“What is (Really) Wrong with Structural Realism?”

**552.Seminar on the Foundations of Physics (Utrecht University)**

November 26, 1999 (Utrecht)

“Constructive Empiricism, Partial Structures, and the Modal Interpretation of Quantum Mechanics”

**553.Seminar of the Division of History and Philosophy of Science (School of Philosophy, University of Leeds)**

November 9, 1999 (Leeds)

“How Not to Present a Causal Theory of Time”

**554.Round Table: *Would-be Worlds* (with John Casti, Newton da Costa and F.A. Doria)**

August 26, 1999 (Institute of Advanced Studies, University of São Paulo, Brazil)

“Would-be Worlds and the Philosophy of Science”

**555.Foundations of Thermodynamics (Louis de Broglie Foundation)**

August 26-28, 1999 (Nice, France)

“Thermodynamics, Logic and the Causal Theory of Time” (read by Joseph Kouneiher)

**556.11th International Congress of Logic, Methodology and Philosophy of Science**

August 20-26, 1999 (Cracow, Poland)

“The Non-aprioricity of Logic” (read by David Miller)

**557.First International Congress *Principia* (Federal University of Santa Catarina)**



August 9-13, 1999 (Florianópolis, Brazil)  
 “Are Logical Principles A Priori?”

**558.Philosophy Department Colloquium (University of São Paulo)**

August 2, 1999 (São Paulo, Brazil)  
 “Nominalism, Pragmatic Truth and the Coherence Theory”

**559.Annual Conference of the British Society for the Philosophy of Science (University of Nottingham)**

July 08-09, 1999 (Nottingham, UK)  
 “What Does Physics Represent?”

**560.Incommensurability (and Related Matters) (University of Hannover)**

June 13-16, 1999 (Hannover, Germany)  
 “Partial Reference, Partial Structures and Scientific Change”

**561.The Vienna Circle Conference (Royal Irish Academy, Dublin)**

May 20-21, 1999 (Dublin)  
 “Was Carnap a Logicist?”

**562.Senior Seminar, Division of History and Philosophy of Science (School of Philosophy, University of Leeds)**

May 12, 1999 (Leeds)  
 “What is (Really) Wrong with Structural Realism?”

**563.Seminar of the Division of History and Philosophy of Science (School of Philosophy, University of Leeds)**

April 27, 1999 (Leeds)  
 “What Does Physics Represent?”

**564.Philosophy Department Colloquium (California State University, Fresno)**

February 25, 1999 (Fresno, CA)  
 “Modal Fictionalism and Possible Worlds”

**565.Seminar of Mathematics and Physics (REHESEIS, University of Paris VII)**

January 26, 1999 (Paris)  
 “Quantum Logic, the Modal Interpretation of Quantum Mechanics and Partial Structures”

**1998**

**566.Seminar of the Division of History and Philosophy of Science (School of Philosophy, University of Leeds)**

December 8, 1998 (Leeds)  
 “Was von Neumann an Empiricist?”

**567.Seminar of the Division of History and Philosophy of Science (School of Philosophy, University of Leeds)**

November 24, 1998 (Leeds)  
 “Mathematics and Structure”

**568.Sixteenth Biennial Meeting of the Philosophy of Science Association (University of Kansas City)**

October 22-24, 1998 (Kansas City, Missouri)  
 “Empiricism, Conservativeness and Quasi-Truth”

**569.Annual Conference of the British Society for the Philosophy of Science: The Concepts of Cognitive Science (The University of Reading)**

September 18-20, 1998 (Reading)  
 “Cognitive Models, Heuristics, and Mathematics: The Geometry of Partial Spaces”

**570. Twentieth World Congress of Philosophy (University of Boston)**

August 10-16, 1998 (Boston)

“Structuralism, Nominalism and ‘Incompleteness’”

**571. 12th International Symposium LOGICA’98 (Institute of Philosophy, Academy of Sciences of the Czech Republic)**

June 23-26, 1998 (Liblice Chateau, Czech Republic)

“A Defence of Second-order Logic”

**572. Analytic Philosophy Conference (University of Sheffield)**

June 19-21, 1998 (Sheffield)

“Truth, Minimalism and Assertibility”

**573. Seminar of Mathematics and Physics (REHESEIS, University of Paris VII)**

June 11, 1998 (Paris)

“Mathematics and its Applications”

**574. Annual Congress of the Canadian Philosophical Association (University of Ottawa)**

May 27 to 30, 1998 (Ottawa, Ontario)

“A Defence of Second-order Logic”

**575. Seminar of the Section of Philosophy (School of Philosophy, University of Leeds)**

May 8, 1998 (Leeds)

“Is Mathematical Knowledge Just Modal Knowledge?”

**576. Seminar of the Division of History and Philosophy of Science (School of Philosophy, University of Leeds)**

May 5, 1998 (Leeds)

“Empiricism and Mathematical Change”

**1997****577. Seminar of the Section of Philosophy (School of Philosophy, University of Leeds)**

November 28, 1997 (Leeds)

“On a Combinatorial Theory of Modality”

**578. Seminar of the Division of History and Philosophy of Science (School of Philosophy, University of Leeds)**

October 28, 1997 (Leeds)

“On the Applicability of Mathematics”

**579. Philosophy of Science Seminar (Department of Philosophy, University of Warwick)**

October 15, 1997 (Warwick)

“Mathematical Structuralism, Modality and Quasi-Truth”

**580. Possible Worlds: Prague International Colloquium (Institute of Philosophy, Academy of Sciences of Czech Republic)**

September 16-19, 1997 (Prague)

“Modal Fictionalism, Possible Worlds Semantics and Quasi-Truth”

**581. Annual Congress of the British Society for the Philosophy of Science (Oxford University)**

September 12-14, 1997 (Oxford)

“Structures, Applicability of Mathematics and Quasi-Truth”

**582. 20th International Wittgenstein Symposium: The Role of Pragmatics in Contemporary Philosophy (The Austrian Ludwig Wittgenstein Society)**

August 10-16, 1997 (Kirchberg am Wechsel, Lower Austria)  
 “Pragmatics, Pragmatic Truth and Possible Worlds”

**583. World Congress of Paraconsistency, 1997 (University of Gent, Belgium)**

July 30-August 02, 1997 (Gent, Belgium)  
 “How to Change It: Towards a Paraconsistent Theory of Scientific and Belief Change”

**584. Analytic Philosophy Conference (University of Sheffield)**

June 20-22, 1997 (Sheffield)  
 “Modal Fictionalism, Possible Worlds Semantics and Quasi-Truth”

**585. Seminar of the Section of Philosophy (School of Philosophy, University of Leeds)**

May 13, 1997 (Leeds)  
 “Possible Worlds and Quasi-Truth”

**586. Seminar of the Division of History and Philosophy of Science (School of Philosophy, University of Leeds)**

May 6, 1997 (Leeds)  
 “Mathematical Structuralism and Set Theory”

**1996**

**587. Annual Congress of the British Society for the Philosophy of Science (University of Sheffield, UK)**

September 11-13, 1996 (Sheffield)  
 “What is Structural Empiricism? Scientific Change in an Empiricist Setting”

**588. Workshop on Logic, Language, Information and Computation 1996 (WoLLIC’96) (Federal University of Bahia)**

May 8-10, 1996 (Salvador)  
 “Paraconsistent Model Theory” (with Newton da Costa and Jean-Yves Béziau)

**589. XI Brazilian Meeting of Logic (Federal University of Bahia)**

May 7-10, 1996 (Salvador)  
 “Paraconsistent Logic in a Philosophical Perspective” (with Newton da Costa)

**590. Symposium of Logic: Institute for Advanced Studies (University of São Paulo)**

May 6, 1996 (São Paulo)  
 “Philosophical Problems of Paraconsistent Logic”

**1995**

**591. Two Invited Lectures: Institute for Advanced Studies (University of São Paulo)**

October 30 and November 20, 1995 (São Paulo)  
 “Empirical Adequacy and Partial Structures”

**592. 13th Congress of History of Science: “Realism and Skepticism in Science”**

November 26-30, 1995 (Águas de Lindóia)  
 “What is Structural Empiricism?”

**593. 3rd Meeting of Analytical Philosophy (Federal University of Santa Catarina)**

September 18-22, 1995 (Florianópolis)  
 “Falsificationism, Truth and Rationality”

**594. 5th Brazilian Congress of Philosophy (University of São Paulo)**

October 5-10, 1995 (São Paulo)  
 “Empiricism, Empirical Adequacy and Observation”

**595. 10th International Congress of Logic, Methodology and Philosophy of Science**

August 19-25, 1995 (Florence, Italy)

“A Mathematical Structure for Time” (with Newton da Costa and Antonio Mariano)

**596.A Symposium in the Memory of Karl Popper (University of São Paulo)**

April 6, 1995 (São Paulo)

“Popper and the Neopopperian Program”

**1994-1992**

**597.6th National Meeting of Philosophy**

October 5-10, 1994 (Águas de Lindóia)

“Approaches to the Semantic Approach of Science”

**598.9th Congress of the Institute of Mathematics and Statistics of the University of São Paulo**

October 22-23, 1992 (São Paulo)

“Distance Functions and Topologies”

**Teaching Experience**

I have taught a variety of courses, at all levels, including: epistemology, metaphysics, philosophy of science, philosophy of physics, philosophy of logic, philosophy of mathematics, aesthetics, philosophy of film, philosophy of art, philosophy of mind, philosophy of medicine, introduction to logic, introduction to philosophy, history of analytic philosophy, 20<sup>th</sup> century philosophy, history and philosophy of science, logic, and critical thinking.

**1. History of Analytic Philosophy**

Undergraduate/graduate course

Department of Philosophy, University of Miami

Spring 2021

**2. Theory of Knowledge**

Upper division course

Department of Philosophy, University of Miami

Spring 2021

**3. Seminar in Philosophy of Science: Laws and the Epistemology of Modality**

Graduate seminar

Department of Philosophy, University of Miami

Fall 2020

**4. 20<sup>th</sup> Century Philosophy**

Upper division course

Department of Philosophy, University of Miami

Fall 2020

**5. Philosophy of Film**

Upper division course

Department of Philosophy, University of Miami

Fall 2019 and Spring 2020

**6. Philosophy of Literature**

Upper division course

Department of Philosophy, University of Miami

Fall 2018

**7. *Philosophy of Science: Non-Causal Explanations: Mathematics and Metaphysics***

Graduate seminar  
Department of Philosophy, University of Miami  
Fall 2017

**8. *Philosophy of Mathematics***

Upper division course  
Department of Philosophy, University of Miami  
Spring 2017

**9. *History and Philosophy of Science***

Lower division course  
Department of Philosophy, University of Miami  
Spring 2015

**10. *Philosophy of Science: Structural Realism, Mathematics, and Reality***

Graduate seminar  
Department of Philosophy, University of Miami  
Spring 2014

**11. *Feminist Philosophy***

Graduate course  
Department of Philosophy, University of Miami  
Fall 2012

**12. *Proseminar***

Graduate course  
Department of Philosophy, University of Miami  
Spring 2012

**13. *Philosophy of Mind***

Graduate course  
Department of Philosophy, University of Miami  
Spring 2011

**14. *Epistemology***

Graduate course  
Department of Philosophy, University of Miami  
Fall 2010

**15. *Philosophy of Mind***

Upper division course  
Department of Philosophy, University of Miami  
Fall 2010

**16. *Philosophy of Science***

Upper division course  
Department of Philosophy, University of Miami  
Spring 2010

**17. *Seminar in Philosophy of Science: Scientific Representation***

Graduate seminar  
Department of Philosophy, University of Miami  
Fall 2009

**18. *Philosophy of Film***

Upper division course  
Department of Philosophy, University of Miami  
Fall 2009

**19. *Evidence and Knowledge in Medicine***

Upper division course  
Department of Philosophy, University of Miami  
Spring 2009

**20. *Philosophy of Art***

Graduate seminar  
Department of Philosophy, University of Miami  
Fall 2008

**21. *Epistemology***

Upper division course  
Department of Philosophy, University of Miami  
Fall 2008

**22. *History of Analytic Philosophy***

Graduate seminar  
Department of Philosophy, University of Miami  
Fall 2007

**23. *Metaphysics***

Upper division course  
Department of Philosophy, University of Miami  
Fall 2007

**24. *Aesthetics***

Upper division course  
Department of Philosophy, University of Miami  
Spring 2007

**25. *Introduction to Philosophy***

Lower division course (Honors)  
Department of Philosophy, University of Miami  
Spring 2007

**26. *Topics in Logic***

Graduate seminar  
Department of Philosophy, University of Miami  
Fall 2006

**27. *Introduction to Philosophy***

Lower division course (Honors)  
Department of Philosophy, University of Miami  
Fall 2006

**28. *Inductive Logic***

Lower division course  
Honors College, University of South Carolina  
Spring 2006

**29. *Fundamentals of Inquiry in Humanities***

Lower division course

Honors College, University of South Carolina  
Spring 2006

**30. *Inductive Logic***

Lower division course (for 180 students)  
Department of Philosophy, University of South Carolina  
Fall 2005

**31. *Teaching Philosophy***

Course for graduate students  
Department of Philosophy, University of South Carolina  
Fall 2005

**32. *Capstone Senior Seminar: "Empiricism and Beyond"***

Upper division course  
Department of Philosophy, University of South Carolina  
Spring 2005

**33. *Fundamentals of Inquiry in Science***

Lower division course  
Honors College, University of South Carolina  
Spring 2005

**34. *Nano Philosophy***

Graduate seminar  
Department of Philosophy, University of South Carolina  
Spring 2004

**35. *Epistemology of Mathematics***

Graduate seminar  
Department of Philosophy, University of South Carolina  
Fall 2003

**36. *History and Philosophy of Science***

Upper division course  
Department of Philosophy, University of South Carolina  
Fall 2003

**37. *Introduction to Philosophy***

Lower division course (for 210 students)  
Department of Philosophy, University of South Carolina  
Spring 2003

**38. *Philosophy and Film***

Graduate supervision (MA level)  
Department of Philosophy, University of South Carolina  
Fall 2002

**39. *Theory of Knowledge***

Graduate and upper division course  
Department of Philosophy, University of South Carolina  
Fall 2002

**40. *Knowledge and Reality***

Upper division course  
Department of Philosophy, University of South Carolina

Fall 2002

**41. *Revolutions in Natural and Social Sciences***

1 section for upper division students of the Honors College (jointly taught with Sasan Fayazmanesh from the Economics Department)

Department of Philosophy, California State University, Fresno

Spring 2002

**42. *Contemporary Epistemology***

2 sections for upper division students

Department of Philosophy, California State University, Fresno

Spring 2002

**43. *Philosophy of Science***

Seminar for upper division students

Department of Philosophy, California State University, Fresno

Spring 2002

**44. *Collaboratory: A Critical Reasoning Laboratory***

Seminar for upper division students (jointly taught with Terry Winant from the Philosophy Department)

Department of Philosophy, California State University, Fresno

Spring 2002

**45. *Revolutions in Natural and Social Sciences***

1 section for upper division students of the Honors College (jointly taught with Sasan Fayazmanesh from the Economics Department)

Department of Philosophy, California State University, Fresno

Fall 2001

**46. *Contemporary Epistemology***

2 sections for upper division students

Department of Philosophy, California State University, Fresno

Fall 2001

**47. *Truth and Paradox***

Seminar for upper division students (jointly taught with Todd Wilson from the Computer Science Department)

Department of Philosophy, California State University, Fresno

Fall 2001

**48. *Collaboratory: A Laboratory for Philosophical Writing***

Seminar for upper division students (jointly taught with Terry Winant from the Philosophy Department)

Department of Philosophy, California State University, Fresno

Fall 2001

**49. *Introduction to Logic***

Course for upper division students

Department of Philosophy, California State University, Fresno

Fall 2001

**50. *Introduction to Philosophy***

1 section for lower division students

Department of Philosophy, California State University, Fresno

Summer 2001

**51. *Symbolic Logic***

1 section for upper division students



Department of Philosophy, California State University, Fresno  
Spring 2001

**52. *Introduction to Philosophy***

1 section for lower division students  
Department of Philosophy, California State University, Fresno  
Spring 2001

**53. *Critical Thinking***

2 sections for lower division students  
Department of Philosophy, California State University, Fresno  
Spring 2001

**54. *Collaboratory: A Critical Reasoning Laboratory***

Seminar for upper division students (jointly taught with Terry Winant from the Philosophy Department)  
Department of Philosophy, California State University, Fresno  
Spring 2001

**55. *Artificial Intelligence and Cognitive Science***

Seminar for upper division students  
Department of Philosophy, California State University, Fresno  
Spring 2001

**56. *Contemporary Epistemology***

1 section for upper division students  
Department of Philosophy, California State University, Fresno  
Fall 2000

**57. *Critical Thinking***

3 sections for lower division students  
Department of Philosophy, California State University, Fresno  
Fall 2000

**58. *Collaboratory: A Laboratory for Philosophical Writing***

Seminar for upper division students (jointly taught with Terry Winant from the Philosophy Department)  
Department of Philosophy, California State University, Fresno  
Fall 2000

**59. *Wittgenstein's Tractatus***

Seminar for upper division students  
Department of Philosophy, California State University, Fresno  
Fall 2000

**60. *Evolutionary Theory and the New Creationism***

Seminar for upper division students (jointly taught with Robert Maldonado from the Philosophy Department)  
Department of Philosophy, California State University, Fresno  
Fall 2000

**61. *Introduction to Philosophy***

Summer course  
Department of Philosophy, California State University, Fresno  
June 2000

**62. *Contemporary Metaphysics***

Seminar for senior students  
Department of Philosophy, California State University, Fresno

Spring 2000

**63. *Collaboratory: A Laboratory for Philosophical Writing***

Seminar for senior students (jointly taught with Terry Winant from the Philosophy Department)  
Department of Philosophy, California State University, Fresno  
Spring 2000

**64. *Issues in the Philosophy of Science***

Course for MA students  
School of Philosophy, University of Leeds  
First semester, 1999-2000

**65. *History and Philosophy of Physics***

Course for MA students  
School of Philosophy, University of Leeds  
First semester, 1999-2000

**66. *Philosophy of Modern Physics***

Course for third-year students  
School of Philosophy, University of Leeds  
First semester, 1999-2000

**67. *Philosophy of Science III***

Course for third-year students  
School of Philosophy, University of Leeds  
First semester, 1999-2000

**68. *Philosophy of Physics***

Course for third-year students  
Department of Philosophy, University of York  
First semester, 1999-2000

**69. *Advanced Critical Thinking***

Lectures for first-year students  
School of Philosophy, University of Leeds  
Second semester, 1998-1999

**70. *Philosophy of Science I***

Tutorials for five groups of first-year students  
Division of History and Philosophy of Science  
School of Philosophy, University of Leeds  
Second semester, 1998-1999

**71. *History of Science B (Darwin, Freud and the Bomb)***

Tutorials for five groups of first-year students  
Division of History and Philosophy of Science  
School of Philosophy, University of Leeds  
Second semester, 1998-1999

**72. *Critical Thinking***

Lecture for first-year students  
School of Philosophy, University of Leeds  
First semester, 1998-1999

**73. *History of Science A (The Scientific Revolution, 1500-1700)***

Tutorials for five groups of first-year students

Division of History and Philosophy of Science  
 School of Philosophy, University of Leeds  
 First semester, 1998-1999

**74. *Technology and Society I***

Tutorials for five groups of first-year students  
 Division of History and Philosophy of Science  
 School of Philosophy, University of Leeds  
 First semester, 1998-1999

**75. *Advanced Critical Thinking***

Lectures for first-year students  
 School of Philosophy, University of Leeds  
 Second semester, 1997-1998

**76. *Philosophy of Science I***

Tutorials for five groups of first-year students  
 Division of History and Philosophy of Science  
 School of Philosophy, University of Leeds  
 Second semester, 1997-1998

**77. *History of Science B (Darwin, Freud and the Bomb)***

Tutorials for five groups of first-year students  
 Division of History and Philosophy of Science  
 School of Philosophy, University of Leeds  
 Second semester, 1997-1998

**78. *History of Science A (The Scientific Revolution, 1500-1700)***

Tutorials for five groups of first-year students  
 Division of History and Philosophy of Science  
 School of Philosophy, University of Leeds  
 First semester, 1997-1998

**79. *Technology and Society I***

Tutorials for five groups of first-year students  
 Division of History and Philosophy of Science  
 School of Philosophy, University of Leeds  
 First semester, 1997-1998

**80. *Group Facilitator***

Workshop on Starting Your PhD in the Faculty of Arts  
 University of Leeds  
 29 October 1997

**81. *Logic (Formal Logic)***

Tutorials for two groups of second-year students  
 School of Philosophy, University of Leeds  
 Second semester, 1996-1997

**82. *Philosophy of Science I***

Tutorials for three groups of first-year students  
 Division of History and Philosophy of Science  
 School of Philosophy, University of Leeds  
 Second semester, 1996-1997

**83. *Advanced Critical Thinking***

Lectures for first-year students  
School of Philosophy, University of Leeds  
Second semester, 1996-1997

**84. *History of Science A (The Scientific Revolution, 1500-1700)***

Tutorials for three groups of first-year students  
Division of History and Philosophy of Science  
School of Philosophy, University of Leeds  
First semester, 1996-1997

**85. *Logic (Formal Logic and Critical Thinking)***

Tutorials for second- and third-year students  
Department of Philosophy, University of São Paulo  
First semester 1991 to first semester 1994

**Graduate Supervision**

I have supervised, or am currently supervising, MA theses and Ph.D. dissertations in Philosophy of Science, Philosophical Logic, Metaphysics, Metaphilosophy, Philosophy of Art, Philosophy of Language, Philosophy of Medicine, and Philosophy of Film.

**Fellowships, Awards and Grants**

1. **CNPq Grant (National Council of Scientific and Technological Development, Brazil)**  
“Styles of Scientific Reasoning” (US\$10,000.00)  
Co-PI (with Valter Bezerra and interdisciplinary research team)  
January 2015-December 2017
2. **2012 Arsht “Ethics and Community” Research Grant**  
“Evidence-Based Medicine and Patient-Centered Ethics: An Integrated Approach to the Philosophy of Medicine” (US\$25,000.00)  
PI, with Robin Neiman  
May 2012-May 2013
3. **2011 Arsht “Ethics and Community” Research Grant**  
“Evidence and Ethical Dilemmas in Clinical Research: Assessing Stopping Rules for Clinical Trials” (US\$25,000.00)  
PI, with Robin Neiman  
May 2011-May 2012
4. **National Science Foundation Research Grant**  
“Nanotechnology in Society Network Node: Imaging, Scientific Change and Public Understanding of Emerging Nanotechnologies” (US\$1,350,000.00)  
Co-PI, with Davis Baird, Ann Johnson, David Berube, and Susanna Priest  
July 2005-July 2010
5. **National Science Foundation Research Grant**  
“NIRT: From Laboratory to Society: Developing an Informed Approach to Nanoscale Science and Technology”  
Nanoscale Interdisciplinary Research Team Grant (US\$1,350,000.00)  
Co-PI, with Davis Baird, R.I.G. Hughes, George Khushf, and David Berube  
July 2003 through June 2007
6. **Research and Productive Scholarship Award**  
“Mathematics and Fiction”

Research and Productive Scholarship Fund, University of South Carolina (\$6,000.00)  
April 1, 2004 through June 30, 2005

**7. CLASS Award (College of Liberal Arts Scholarship Support, University of South Carolina)**

“A Framework for the Application of Mathematics”  
College of Liberal Arts, University of South Carolina (\$10,000.00)  
May 2003 through May 2004

**8. Hewlett Curriculum Development Grant for 2003-2004**

Fundamentals of Inquiry Course Development  
Honors College, University of South Carolina (\$3,500.00)  
May 2003 through May 2004

**9. National Science Foundation Research Grant**

“NIRT: Philosophical and Social Dimensions to Nanoscale Research”  
Nanoscale Interdisciplinary Research Team Grant (US\$175,000.00)  
With Davis Baird, Alfred Nordmann, R.I.G. Hughes, George Khushf, and David Berube  
July 2002 through June 2003

**10. National Science Foundation Travel Grant**

To attend the 2002 Philosophy of Science Association Meeting  
Milwaukee, WI, 7-10 November 2002

**11. 2001-2002 Distinguished Achievement in Research**

College of Arts and Humanities  
California State University, Fresno  
Award conferred by the Dean of Arts and Humanities and by the Provost

**12. 2001-2002 Research, Scholarship, and Creative Activities Award**

Research Award  
California State University, Fresno  
July 2001 through June 2002

**13. 2001-2002 Affirmative Action Faculty Development Award**

Research Award  
California State University, Fresno  
July 2001 through June 2002

**14. Lottery Funds for Faculty Development**

College of Arts and Humanities  
California State University, Fresno  
AY 2001-2002

**15. New College for Instructional Innovation Award**

Center for the Enhancement of Teaching and Learning  
Summer grant to develop the course “Revolution and Representation in Science and Art”  
California State University, Fresno  
June-August 2001

**16. 2000-2001 Research, Scholarship, and Creative Activities Award**

Research Award  
California State University, Fresno  
July 2000 through June 2001

**17. 2000-2001 Affirmative Action Faculty Development Award**

Research Award

California State University, Fresno  
July 2000 through June 2001

**18. *New College for Instructional Innovation Award***

Center for the Enhancement of Teaching and Learning  
Summer grant to develop the course "Understanding Science"  
California State University, Fresno  
June-August 2000

**19. *Research Fellowship (Philosophy of Science)***

School of Philosophy, University of Leeds  
October 1996-September 1999

**20. *Research Fellowship***

Tetley-Lupton Studentship (University of Leeds)  
October 1996-September 1999

**21. *Research Fellowship***

Overseas Research Award  
Committee of Vice-Chancellors and Principals of the  
Universities of the United Kingdom  
October 1996-September 1999

**22. *Travel Grant (to attend the 16th PSA Meeting)***

Philosophy of Science Association  
October 1998 (Kansas City)

**23. *Travel Grant (to attend the 1998 BSPS Conference)***

British Society for the Philosophy of Science  
September 1998 (Reading)

**24. *Travel Grant (to attend the Symposium LOGICA'98)***

Academy of Sciences of the Czech Republic  
June 1998 (Prague)

**25. *Travel Grant (to attend the 1997 BSPS Conference)***

British Society for the Philosophy of Science  
September 1997 (Oxford)

**26. *Travel Grant (to attend the 1996 BSPS Conference)***

British Society for the Philosophy of Science  
September 1996 (Sheffield)

**27. *Research Fellowship (Philosophy of Science)***

CAPES, Brazil  
September 1993-March 1996

**28. *Travel Grant (to attend the 10th LMPS Conference)***

Logic, Methodology and Philosophy of Science  
August 1995 (Florence, Italy)

**29. *Teaching Assistantship Fellowship (Logic)***

Department of Philosophy, University of São Paulo  
August 1991-September 1993

## Academic Activities

1. I have written referee reports for *Journal of Philosophy*, *Philosophy of Science*, *The British Journal for the Philosophy of Science*, *Studies in History and Philosophy of Science*, *Mind*, *Philosophy and Phenomenological Research*, *Australasian Journal of Philosophy*, *Philosophical Studies*, *Philosophers' Imprint*, *Journal of Philosophical Logic*, *Analysis*, *Philosophical Quarterly*, *Synthese*, *Erkenntnis*, *British Journal for the History of Philosophy*, *Studies in History and Philosophy of Modern Physics*, *Foundations of Physics*, *Foundations of Physics Letters*, *Review of Symbolic Logic*, *British Journal for the History of Philosophy*, *Canadian Journal of Philosophy*, *Ergo*, *Minds and Machines*, *Theoria*, *International Studies in the Philosophy of Science*, *Social Studies of Science*, *Foundations of Science*, *Logique et Analyse*, *Metaphilosophy*, *International Journal for the Study of Skepticism*, *Journal for General Philosophy of Science*, *Dialogue*, *Studia Logica*, *Philosophia*, *Principia*, *Hyle*, *Techné*, *Philosophical Psychology*, *Journal of Applied Logic*, *International Journal of Approximate Reasoning*, *Leonardo*, *Polish Journal of Philosophy*, *Manuscrito*, *Scientiae Studia*, *Quanta*, *Science and Education*, *Abstracta*, as well as various reports for book proposals and book manuscripts for Oxford University Press, Cambridge University Press, Princeton University Press, Blackwell, Kluwer, Springer, Routledge, Palgrave Macmillan, McGraw Hill, West View Press, and Continuum, among others.
2. I have also written referee reports for the National Science Foundation, the Social Sciences and Humanities Research Council of Canada, the American Council of Learned Societies, the University of Leuven, Belgium (Research Associate Application), and the University of Ghent, Belgium (Logic and Philosophy of Science Research Project).
3. I am a member of the editorial board of *Veritas*, *Scientiae Studia*, *Metatheoria*, *Quanta*, *Abstracta*, and *Cadernos de História e Filosofia da Ciência*.
4. I have written tenure and promotion letters for Columbia University, City University of New York (Graduate Center) and other institutions.
5. I have been an external evaluator of the departments of philosophy at Temple University, University of Minnesota (Minneapolis), and George Washington University.
6. I have examined Ph.D. dissertations and MA theses at: University of Sydney, Australia (2020), Federal University of Rio de Janeiro, Brazil (2020), Federal University of Santa Catarina, Brazil (2020), University of Granada, Spain (2019), Catholic University of Chile, Chile (2019), National Autonomous University of Mexico, Mexico (2019), University of São Paulo, Brazil (2018), National Autonomous University of Mexico, Mexico (2018), University of Virginia (2017), University of Rennes, France (2017), Catholic University of Louvain, Belgium (2017), San Raffaele University, Italy (2017), Federal University of Rio de Janeiro, Brazil (2017), Federal University of Minas Gerais, Brazil (2017), Federal University of Rio Grande do Sul, Brazil (2016), Federal University of Santa Catarina, Brazil (2016), Ludwig Maximilian University, Germany (2015), Aarhus University, Denmark (2015), University of South Florida (2015), University of São Paulo, Brazil (2015), Federal University of Minas Gerais, Brazil (2015), York University, Canada (2014), Macquarie University, Australia (2014), University of Leeds, UK (2014), University of Cape Town, South Africa (2013), University of Campinas, Brazil (2013), Federal University of Rio de Janeiro, Brazil (2013), São Bento College, São Paulo, Brazil (2013), University of Virginia (2012), Utrecht University, Netherlands (2012), University of Leeds, UK (2009), Federal University of Minas Gerais, Brazil (2009), Swarthmore College's Honors Program in Philosophy of Science and Philosophy of Mathematics (2005), and University of Queensland (2003).
7. I was a member of the Program Committee of the 2002 Computational Models of Scientific Reasoning and Applications (which was part of the 2002 International Conference on Artificial Intelligence, IC-AI 2002), Las Vegas, June 2002.
8. I have been a reviewer for *Mathematical Reviews* since 1995, and for *Zentralblatt MATH* since 2000.

## Service

***To the Philosophy Profession***

1. Member of the Program Committee for the Eastern Division Meeting of the American Philosophical Association (2017-2019).
2. Member of the American Philosophical Association Eastern Division Advisory Committee to the Program Committee (2013-2016).
3. Convener of the Society for Realist/Anti-Realist Discussion Group (American Philosophical Association).
4. Member of the American Philosophical Association Committee on Hispanics (July 1, 2005-June 30-2008).

***University of Miami***

1. College Curriculum Committee Member, College of Arts and Sciences, University of Miami (Spring 2021)
2. Member of the Faculty Advisory Board, Center for the Humanities, University of Miami (since August 2020)
3. Philosophy Department Chair (June 2011-May 2020)
4. Director of Graduate Studies (May 2007-May 2011)
5. Member of the Faculty Council for the Center for Latin American Studies (December 2011-May 2015)
6. Member of the Selection Committee of the Center for Latin American Studies Distinguished Fellows (since 2012)
7. Member of the UM Internal Review Committee for the Graduate Program in the Department of Modern Languages and Literatures (Spring 2011)
8. Chair, Center for the Humanities Planning Committee (2007-2008 AY)
9. Member of the Advisory Board, University of Miami Humanities Center (2008-2011)
10. Member of the Academic Personnel Board's Subcommittee on Arts & Humanities (2007-2008 tenure review process)
11. Member of the UM Internal Review Committee for the Graduate Programs in the English Department (Spring 2008)
12. Member of the UM Fellowship Selection Committee (Spring 2008)
13. Member of the University's Research Council (Fall 2006-Spring 2009)
14. Humanities Colloquium Coordinator (Fall 2007-Spring 2008)
15. Chair, Senior Search Committee (Fall 2007-Spring 2008)
16. Member of the Junior Search Committee (Fall 2007-Spring 2008)
17. Chair, Senior Search Committee (Fall 2006-Spring 2007)
18. Member of the Graduate Committee (since Fall 2006)

***University of South Carolina***

1. Director of Placement (Fall 2003-Spring 2006)
2. Philosophy Department Colloquium Organizer (Fall 2003-Spring 2006)
3. Member of the College of Arts and Sciences Student Academic Grievance Committee (Fall 2005-Spring 2006)
4. Search committee member: Bioethics/Philosophy of Medicine position (Fall 2005 and Spring 2006)
5. Search committee member: History of Modern Philosophy position (Fall 2002 and Spring 2003)
6. Search committee member: Medical Ethics/Philosophy of Biology/Philosophy of Medicine position (Fall 2002 and Spring 2003)
7. Member of the Graduate Committee (Fall 2002-Spring 2006)
8. Founder and convener of the USC Philosophy Research Seminars (Fall 2002-Spring 2006)
9. Convener of the Science Studies Seminar Series (Fall 2002-Spring 2006)
10. Co-founder and convener of the Nano Culture Seminar Series (Fall 2002-Spring 2006)
11. Member of the Seminar Committee of the USC NanoCenter (Fall 2002-Spring 2006)



**California State University, Fresno**

1. Member of the New College for Instructional Innovation (Spring 2002)
2. Member of the MBERS Advisory Board (a committee to support and assess research grant proposals throughout the university) (2001-2002)
3. Member of the Strategic Plan Committee of the College of Arts and Humanities (2000-2002)
4. Convener of the Philosophy Department Colloquium Series (2000-2002)
5. Co-convener of the Central Valley Philosophical Association Meetings (2000-2002)
6. Member of the University Sub-committee for the Enhancement of Critical Thinking Courses (2000-2001)
7. Member of the Strategic Plan Committee of the Philosophy Department (Fall 2000)

**Membership of Societies**

Académie Internationale de Philosophie des Sciences (AIPS), elected titular member  
 Philosophy of Science Association  
 American Philosophical Association  
 British Society for the Philosophy of Science  
 Mind Association  
 Canadian Philosophical Association  
 Canadian Society for the History and Philosophy of Science  
 Canadian Society for History and Philosophy of Mathematics  
 Association for Symbolic Logic  
 Australasian Association of Philosophy  
 Aristotelian Society  
 Society for Exact Philosophy  
 University of South Carolina's NanoCenter

**Translation**

1. "Russell, Tarski, Gödel: Um Guia de Estudos", by David Miller, *Ciência e Filosofia* 5, 1996, pp. 67-105.

**References**

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