

JAMES ROBERT BROWN

CURRICULUM VITAE

Update: April 2020

BIOGRAPHICAL INFORMATION

PERSONAL

Citizenship: Canadian

Home address: 191 Bridport Street, London, Ontario N6A 2A9

Home phone: (519) 439-2889

University address: Department of Philosophy, University of Toronto

Room 514, 170 St. George Street, Toronto, Ontario M5R 2M8

Cell phone: 519-854-0131

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Home page: www.chass.utoronto.ca/~jrbrown

DEGREES

B.A. University of Guelph, 1973

M.A. University of Guelph, 1975

Ph.D. University of Western Ontario, 1981

Thesis: *Models of Rationality and the History of Science* (Supervisor: R.E. Butts)

EMPLOYMENT

Teaching Assistant, University of Western Ontario, 1975-79

Assistant Professor, Dalhousie University, 1979-80

Assistant Professor, University of Western Ontario, 1980-81

Assistant Professor, University of Toronto, 1981-88

Associate Professor, University of Toronto, 1988-92

Professor, University of Toronto, 1992-2017

Professor Emeritus, University of Toronto, 2017-

Appointed to graduate school 1982 (temporary), 1988 (permanent)

Affiliate member, Institute for the History and Philosophy of Science and Technology, 1987-

Affiliate member, Institute for Women's Studies and Gender Studies, 1994-2000

Tenured 1988

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Editor of the journal, *International Studies in the Philosophy of Science*, 1996–2001

Co-Editor of the book series, *Toronto Studies in Philosophy*, 1990–2001

Co-Director of Inter-University Centre of Postgraduate Studies (philosophy of science section),
Dubrovnik, Croatia, 1984-

Secretary/Treasurer of The Canadian Society for the History and Philosophy of Science. 1986-92

Board of Editors of the journal, *International Studies in the Philosophy of Science* 1986-96,
2001-

Board of Editors, *Mind & Society*, 2002-

Board of Editors, *Science and Education*, 2003-

Board of Editors: *Minerva*, 2007-

Board of Editors: *Epistemologia*, 2011-2016

Board of Editors: *Axiomathes*, 2016-

Consulting Editor and member of the Executive Committee, *Episteme*, 2002-2010

Section Chair: Logic, Methodology and Philosophy of Science (History and Sociology of
Science Section) (Meeting in Spain, August 2003)

Member of the *Canadian Federation of the Humanities* (Rep. for Canadian Society for the
History and Philosophy of Science), 1993-96, 1996-97

Member of:

Canadian Philosophical Association (1977-)

Canadian Society for the History and Philosophy of Science (1980-)

Canadian Society for the History and Philosophy of Mathematics (1990-)

Philosophy of Science Association (1978-)

British Society for the Philosophy of Science (1978-2001)

Leibniz Society (1982-2000)

American Association of Physics Teachers (1979-2000)

Mathematical Association of America (1995-2001)

American Mathematical Society (1995-2001)

European Philosophy of Science Association (2007-)

RESEARCH INTERESTS

General philosophy of science
Thought experiments
Philosophy of mathematics
History of modern philosophy and science
Foundations of physics
Science, Religion, and Society

GRANTS RECEIVED (minor grants not listed)

S.S.H.R.C. grant for Leibniz conference Nov. 1982, \$6,250.
S.S.H.R.C. conference grant (with A. Irvine), 1988, \$5000.
S.S.H.R.C. conference grant (with G. Hunter), 1989, \$5500.
S.S.H.R.C. Research Grant, July 1991 – April 1994, \$40,000.
S.S.H.R.C. Research Grant, July 1994 – April 1997, \$10,000.
S.S.H.R.C. Research Grant, April 1998 – March 2001, \$28,000.
S.S.H.R.C. Research Grant, April 2001 – March 2004, \$31,000.
Humboldt Foundation Research Award, 2004, 50,000€
S.S.H.R.C. Research Grant, April 2004 – March 2008, \$130,000.
S.S.H.R.C. Conference Grant, “Difference and Dissent”, June 2006, \$8000
Humboldt Trans-coop, “Science and Values”, 2007 – 2009, 45,000€
S.S.H.R.C. Research Grant, April 2008 – March 2012, \$115,000.
Numerous small grants (\$750 – \$3500) for travel or miscellaneous expenses.

HONOURS

Connaught Fellowship, 1995-96
Connaught Fellowship 2002-03
Humboldt Research Award, 2004
Elected: *Deutsche Akademie der Naturforscher Leopoldina – Nationale Akademie der Wissenschaften*, 2004
Elected: *Royal Society of Canada*, 2007
Elected: *Académie Internationale de Philosophie des Sciences*, 2010

EXTENDED LECTURES

Vaughan Memorial Lecturer, Balliol College, Oxford, November 1992
Machette Lecturer, Purdue University, February 1996
The Steinkraus Lecture 2003, SUNY Oswego, October 2003
Numerous “keynote” lectures

VISITING PROFESSORSHIPS, ETC.

Dalhousie University, Halifax, summer 1983
Lanzhou University, Lanzhou, China, fall 1988
Academy of Sciences, Moscow, summer 1989
Konstanz University, summer 2001
Bielefeld University, summer 2005, 2006, 2008, 2012
Fellow, ZiF yearlong workshop on Science and Values (2006-07)
Rockefeller Center, Bellagio, fall 2008
Max Planck Institute for the History of Science, Berlin, fall 2010
Universidad Autónoma Metropolitana-Iztapalapa, Mexico City, July 4-8, 2011
University of Vienna, Summer 2018

SCHOLARLY AND PROFESSIONAL WORK

Books

1. *The Rational and the Social*, Routledge 1989, Reissue: *The Rational and the Social: How to Understand Science in a Social World*, 2014
2. *The Laboratory of the Mind: Thought Experiments in the Natural Sciences*, Routledge 1991 (Revised paper edition, 1993; second edition 2010)
3. *Smoke and Mirrors: How Science Reflects Reality*, Routledge 1994
4. *Philosophy of Mathematics: An Introduction to the World of Proofs and Pictures*, Routledge 1999 (Second edition: 2008)
5. *Who Rules in Science? An Opinionated Guide to the Wars*, Harvard 2001
6. *Platonism, Naturalism and Mathematical Knowledge*, Routledge 2012 (Paper edition 2014)
7. *On Foundations of Seismology: Bringing Idealization Down to Earth* (with M. Slawinski), World Scientific (2017)
8. Forthcoming: *Philosophy of Science* (Palgrave)
9. Forthcoming: *Subtle Matter: Aether From Aristotle to Dark Energy* (Oxford)

Books Edited

10. *Scientific Rationality: The Sociological Turn*, 1984
11. *The Natural Philosophy of Leibniz* (co-edited with K. Okruhlik), 1985
12. *Constructivism and Science* (co-edited with R.E. Butts), 1989
13. *An Intimate Relation: Studies in the History and Philosophy of Science* (co-edited with J. Mittelstrass) 1989
14. *Philosophy of Science: The Key Thinkers*, Continuum 2012
15. *Thought Experiments in Philosophy, Science, and the Arts* (co-edited with M. Frappier and L. Meynell), Routledge 2012
16. *Routledge Companion to Thought Experiments*, (co-edited with Y. Fehige and M. Stuart) Routledge, 2017

PUBLICATIONS (Everything academic: books, articles, reviews, etc.)

[1979]

1. Review of Bronowsky, *A Sense of the Future*, *Dialogue*, 1979

[1980]

2. "History and the Norms of Science", Asquith and Giere (eds) *PSA 1980* (vol. I), 236-48
3. "Counting Proper Classes", *Analysis*, vol. 40, No. 3, 1980, 123-26
4. "Lakatos on Appraisal vs. Advice", *Methodology and Science*, June 1980, 27-31
5. Review of Howson (ed), *Method and Appraisal in the Physical Sciences*, *Dialogue*, 1980

[1981]

6. Review of Feyerabend, *Science in a Free Society*, *Dialogue*, 1981
7. Review of Rescher, *Scientific Progress, Social Indicators Research*, 1981
8. Review of Hilpinen (ed), *Rationality in Science, Social Indicators Research*, 1981

[1982]

9. "Is There a Problem of Circularity in Historically-Oriented Methodology?", *Methodology and Science*, June 1982

10. "The Miracle of Science", *Philosophical Quarterly*, July 1982, 232-44
11. "Realism, Miracles and the Common Cause", Asquith and Nickles (eds) *PSA 1982*, vol. I, 98-106
12. Review of O'Hear, *Karl Popper, Dialogue*, 1982
13. Review of Michalos, *North American Social Report, Social Indicators Research*, 1982
14. Review of Gutting (ed), *Paradigms and Revolutions, Dialogue*, 1982

[1983]

15. "Newton-Smith on the Facts of the Matter", *Nature and System*, vol. 5, March-June 1983, 115-17
16. "The Rationality of Science" (A critical notice of Newton-Smith's *The Rationality of Science, Dialogue*, XXII 1983, 299-309
17. "Recent Work on the Philosophy of Leibniz", (with K. Okruhlik), *Studia Leibnitiana*, 1983
18. Review of Barnes, *T. S. Kuhn and Social Science, Communiqué*, 1983
19. Review of Churchland, *Scientific Realism and the Plasticity of Mind, International Philosophical Quarterly*, 1983
20. Review of Lukes and Hollis (eds.), *Rationality and Relativism, Dialogue*, 1983

[1984]

21. *Scientific Rationality: The Sociological Turn*, (editor), Reidel, 1984
22. "The Sociological Turn", Brown (ed), *Scientific Rationality: The Sociological Turn*, Reidel, 3-40
23. "Realism and the Anthropocentrism", Asquith and Kitcher (eds.), *PSA 1984*, vol. I, 202-10
24. "Reply to Puccetti", *Philosophical Quarterly*, January 1984
25. "Vintage Popper: The Postscript After Fifty Years" (A critical notice of Popper's three volume *Postscript to the Logic of Scientific Discovery*), *Dialogue*, 1984, 677-682
26. Review of Harré, *Great Scientific Experiments, Communiqué*, 1984

[1985]

27. *The Natural Philosophy of Leibniz*, (edited with K. Okruhlik), Reidel 1985
28. "The Natural Philosophy of Leibniz", (with Kathleen Okruhlik), in Brown and Okruhlik (eds), *The Natural Philosophy of Leibniz*, Reidel 1985
29. "Von Neumann and the Anti-realists", *Erkenntnis*, 1985, 149-59
30. "Explaining the Success of Science", *Ratio*, 1985, 49-66. A German translation of this paper has also appeared, "Ist der Erfolg der Wissenschaft erklärbar?", in the German edition of *Ratio*, 42-57. English version reprinted in Curd and Cover (eds) *Philosophy of Science*, New York: Norton, 1998
31. "Rescher's Evolutionary Epistemology", *Philosophia*, 1985, 287-300
32. "Bloor's Strong Programme", *Methodology and Science*, 1985, 199-224
33. "Realism, Anti-Realism and the Quantum Theory", *Dalhousie Review*.

34. Review of Giedymin, *Science and Convention*, *Philosophy of Science*, 1985
35. Review of Shea (ed.) *Otto Hahn and the Rise of Nuclear Physics*, *Philosophy of Science*, 1985
36. Review of Stove, *Popper and After*, *Dialogue*, 1985
- [1986]
37. “Thought Experiments Since the Scientific Revolution”, *International Studies in the Philosophy of Science*, Vol. I, no 1. 1986, 1-15
38. “Reply to Tennesson”, *Annals of Theoretical Psychology*, 1986, 17-21
- [1987]
39. “Unravelling Holism” (A critical notice of Laudan’s *Science and Values*), *Philosophy of the Social Sciences*, 1987, 427-33
40. “The Nature and Rationality of Piaget’s Revolution” (with K. Covell), *Methodology and Science*, 1987, 97-119
41. “Einstein’s Brand of Verificationism”, *International Studies in the Philosophy of Science*, 1987, 33-54
- [1988]
42. “Platonic Explanation, Or What Abstract Entities Can Do For You”, *International Studies in the Philosophy of Science*, 1988, 51-67
43. “The Experimenter’s Social Circle”, *Philosophy of the Social Sciences*, 1988, 101-06
44. “Laudan on Holism and Truth”, (in Romanian) *Metamorfoze Actuale in Filosofia Stiintei*, 1988
45. Review of Lewis, *On the Plurality of Worlds*, *Dialogue*
46. Review of Fine, *The Shaky Game*, *Dialogue*
47. Review (with K. Peacock) of Redhead, *Incompleteness, Nonlocality, and Realism*, *Canadian Philosophical Reviews*
- [1989]
48. *The Rational and the Social*, Routledge, 1989
49. *Constructivism and Science* (edited with R.E. Butts) Kluwer, 1989
50. *An Intimate Relation: Studies in the History and Philosophy of Science Presented to R.E. Butts on His 60th Birthday* (edited with J. Mittelstrass), Kluwer, 1989
51. “Introduction” (with R.E. Butts) in Butts and Brown (ed.) *Constructivism and Science*
52. “Introduction” in Brown and Mittelstrass (eds.) *An Intimate Relation*
53. “Learning From the Past” in Brown and Mittelstrass (eds.) *An Intimate Relation*, 343-67
54. “Quantum Mechanics and the Problem of Realism”, (in Bulgarian) *Philosophyska Mysal*.
55. “Philosophy of Science in China” (with A. Wylie) *Communiqué*, 1989
56. Review of Hale, *Abstract Objects*, *Dialogue*

[1990]

57. “ π in the Sky” in Irvine (ed.) *Physicalism in Mathematics*, Kluwer, 1990, 95-120
58. Critical Notice of Ruse, *Taking Darwin Seriously*, *Canadian J. of Philosophy*, 129-146
59. “Proof and Truth in Lakatos’s Masterpiece”, *International Studies in the Philosophy of Science*, 117-30

[1991]

60. *The Laboratory of the Mind: Thought Experiments in the Natural Sciences*, Routledge
61. “Gedanken Experiments and the Unity of Mathematics and Physics”, Akademie der Wissenschaften zu Berlin (ed.) *Einheit der Wissenschaften*, Berlin: de Gruyter, 60-74
62. “Thought Experiments: A Platonic Account”, Massey and Horowitz (eds) *Thought Experiments*, Rowman and Littlefield, 1991 119-28. (A Romanian version of this paper may also have appeared, but I am not sure.)
63. “Latour’s Prosaic Science”, *Canadian Journal of Philosophy*, 245-61
64. “Recent Work on the Foundations of Physics”, *Communiqué*
65. “Recent Philosophical Work on Bohr”, *Communiqué*
66. Review of Tiles, *The Philosophy of Set Theory*, *Dialogue*

[1992]

67. Review of L. Laudan, *Science and Relativism*, *Dialogue*

[1993]

68. “EPR as A Priori Science”, *Canadian Journal of Philosophy* (Supplementary Volume), 253-72
69. “Why Empiricism Won’t Work”, D. Hull, M. Forbes, and K. Okruhlik (eds.) *PSA 1992*, vol. II, 271-79
70. “Abstract Phenomena”, in A. Botez (ed.) (In a Romanian journal, but I don’t know which one.)

[1994]

71. *Smoke and Mirrors: How Science Reflects Reality*, Routledge (Selections reprinted in Klee ed., *Scientific Inquiry*, Oxford, 1999, and in Schick (ed.) *Readings in the Philosophy of Science*, Mayfield, 2000.)
72. “Reply to Norton”, *Metascience*
73. “Platonism and Laws: A Reply”, *International Studies in the Philosophy of Science*, 243-46
74. Review of Barrow, *Pi in the Sky*, in *Philosophia Mathematica*

[1995]

- 75. "Papineau's Naturalism," *International Studies in the Philosophy of Science*
- 76. "Underdetermination and the Social Side of Science", *Dialogue*, 1995, 147-61
- 77. Critical Notice: Sorensen, *Thought Experiments*, *Canadian J. of Philosophy*, 135-56
- 78. Review of Shapiro, *Foundations without Foundationalism*, *Dialogue*

[1996]

- 79. "Phenomena" in Cohen *et. al.* (eds.) *Proceedings of the Beijing Philosophy of Science Conference*, Dordrecht: Kluwer, 117-30
- 80. "Illustrations and Inference" in B. Baigrie (ed.) *Illustrations in Art & Science*, 250-68
- 81. "Thought Experiments" Stanford Encyclopaedia of Philosophy (an electronic publication, periodically updated, <http://plato.stanford.edu/entries/thought-experiment/>)
- 82. "Experimentele Mentale: O Ipotea Platonista", A. Botez (ed.) *Filosofia Mentalului Intentionalitate Si Experiment*, Buchuresti,
- 83. Review of Sierpinska, *Understanding in Mathematics*, *Philosophia Mathematica*

[1997]

- 84. "Proofs and Pictures", *British J. Phil. Science*, 161-80
- 85. "What is Applied Mathematics?" *Foundations of Science*, 21-37
- 86. "Academic Freedom, Affirmative Action, and the Advance of Knowledge", *Interchange*, 381-88
- 87. "Affirmative Action and Epistemology", R. Post and M Rogin (eds) *Race and Representations* , New York: Zone Books
- 88. "Reply to Forge" *Metascience*
- 89. "Reply to Foss", *Dialogue*, 843-48
- 90. Obituary of R.E. Butts (with M. Morrison), *Dialogue*
- 91. Review of Ewald, (ed.) *From Kant to Hilbert*, *International Studies in the Philosophy of Science*

[1998]

- 92. "What is a Definition?", *Foundations of Science*, 111-32

[1999]

- 93. *Philosophy of Mathematics: The World of Proofs and Pictures*, London and New York: Routledge
- 94. "The Role of Reason Explanation in Social Studies of Science", Solis (ed.) *Homage to Kuhn*
- 95. "Einstein's Principle Theories", *ProtoSoziologia*
- 96. "Editorial: Intellectual Tithing", *International Studies in the Philosophy of Science*
- 97. "Greek Traditions in Quantum Mechanics", D. Sfondoni-Mentzou (ed) *Aristotle and Modern Science*, Berlin: Peter Lang,
- 98. "Editorial: Dubrovnik", *International Studies in the Philosophy of Science*

99. Reprint: "Explaining the Success of Science" (1985) in Curd and Cover (eds) *Philosophy of Science*, New York: Norton
100. Reprint: "A Critiques of Social Construction" (from *Smoke and Mirrors*) , Klee (ed) *Scientific Inquiry*, Oxford
101. Reprint: "Realism, Anti-realism, and NOA" (from *Smoke and Mirrors*) , Klee (ed) *Scientific Inquiry*, Oxford
102. Reprint: Selections from *Smoke and Mirrors* in T. Schick (ed) *Readings in the Philosophy of Science*, Mayfield Pub. Co., 1999
103. Review (with Urquhart) Morton and Stich (eds.) *Benacerraf and His Critics, Dialogue*
104. "La science prosaïque de Bruno Latour", Kremer-Marietti (ed.), *Sociologie de la science*, Paris, 151-70
105. Review, Marion (ed.) *Philosophy of Science in Quebec (2 vols.)*, *Dialogue*
106. Review of Barnes, et al, *Scientific Knowledge* and of Shapin, *The Scientific Revolution, International Studies in the Philosophy of Science*
107. Review of Shapiro, *Philosophy of Mathematics, International Studies in the Philosophy of Science*
108. Review: Gould, *Rocks of Ages, International Studies in the Philosophy of Science*
- [2000]
109. "Privatizing the University", *Science*, December 2000 (available on line at: <http://www.sciencemag.org/cgi/content/full/290/5497/1701?ijkey=sNF3wpAqZfUk>), (Reprinted in *CAUT Bulletin*, Jan 2001, *On Campus*, March 2001, UCCB Newsletter, Ciencia Hoy in Argentina, and 20 others)
110. "Thought Experiments", Newton-Smith (ed.), *Companion to the Philosophy of Science*, Blackwell, 528-31
111. "The Role of Mathematics in Science", Newton-Smith (ed.), *Companion to the Philosophy of Science*, Blackwell, 257-64
112. "Social Factors in Science", Newton-Smith (ed.), *Companion to the Philosophy of Science*, Blackwell, 442-50
113. Review: Ruse, *Mystery of Mysteries, University of Toronto Quarterly*, 2000
114. Review: Jammer, *Einstein and Religion, ISPS*,
115. Review of Ziman, *Real Science*, for *Physics World*
- [2001]
116. *Who Rules in Science? An Opinionated Guide to the Wars*, Harvard, 2001
117. "Who Gets Einstein?" *Queen's Quarterly*, Spring 2001, 73-83
118. "Many Methods, One Truth", Polish volume stemming from a conference in Krakow, May 1998
119. "Editorial", *ISPS*, vol. 15-2, 2001
120. Reprint: Excerpts from *Who Rules in Science?* published in *Chronicle of Higher Education*, Dec 2001
121. Review of Ruse, *Mystery of Mysteries, U of T Quarterly*
122. Review of Netz, *The Shaping of Deduction in Greek Mathematics*, in *Philosophia Mathematica* (with Mary Leng)

123. Review, Michael Ruse, *Mystery of Mysteries*, *U of T Quarterly*, 2001
- [2002]
124. “Funding, Objectivity, and the Socialization of Medical Research”, *Science and Engineering Ethics*, vol 8, 2002, pp 295-308
125. Review, Alexander Bird, *Thomas Kuhn*, *BJPS*, 2002 143-149
126. Review, Stephen Weinberg, *Facing Up*, *TLS*, January 11, 2002
- [2003]
127. “Science and Constructive Mathematics”, *Analysis*, 63.1, Jan. 2003, 48-51
128. “Kitcher’s Mathematical Naturalism”, *Croatian Journal of Philosophy*, 2003, 1-20
129. Revisions and corrections for 3rd printing of my book, *Philosophy of Mathematics*
130. Review: George and Velleman, *Philosophies of Mathematics*, *Mind*
131. Review: Peat, *From Certainty to Uncertainty*, *Physics World*
132. Review: Tasić, *Mathematics and the Roots of Postmodern Thought*, *Philosophia Mathematica*, 2003
133. Review: Vucinich, *Einstein and Soviet Ideology*, *Contemporary Sociology*, **32**(2), 2003, 200-02
134. Review: Giaquinto, *The Search For Certainty*, *Mind*
- [2004]
135. “Why Thought Experiments Transcend Experience”, Hitchcock (ed) *Contemporary Debates in the Philosophy of Science*, Blackwell
136. “Platonism, Metaphor, and Mathematics” (with Glenn Parsons), *Dialogue*
137. “Money, Method and Medical Research” *Episteme*
138. “Объяснение Успешности Науки”, ИАУКА [Отв. ред. Е. А. Мамчур]. Москва, 2003 (Adapted from *Smoke and Mirrors*)
139. Review: *Prophets Facing Backward: Postmodern Critiques of Science and Hindu Nationalism in India* by Meera Nanda, *International Studies in the Philosophy of Science*
140. Review: Ruse, *Darwin and Design: Does Evolution Have a Purpose?*, *EMBO Reports*, vol 5, No 7, 667
- [2005]
141. “Naturalism, Pictures, and Platonic Intuitions”, in Mancosu, Jorgensen, and Pedersen (eds), *Visualization, Explanation and Reasoning Styles in Mathematics* (Danish vol.)
142. “The Reality of Formal Causes” in Wolters and Carrier (eds) *Homo Sapiens und Homo Faber*, Berlin: de Gruyter, 101-112
143. Review: Kitcher, *Science, Truth, and Democracy*, *Journal of Philosophy*, 599-606
144. “Peeking into Plato’s Heaven”, *Philosophy of Science*

- 145. “Boundaries, Reason, and Ideology: Reply to Sismondo” *Episteme*
- 146. Review: Davies, *Science in the Looking Glass, Mathematical Intelligencer*
- 147. Review: Cohen, *Wittgenstein’s Beetle and Other Classic Thought Experiments, International Studies in the Philosophy of Science*
- 148. Review: Corfield, *Towards a Philosophy of Real Mathematics, Studia Logica* **81**, 443-47

[2006]

- 149. “Self-censorship”, in Lemmens and Waring (eds.) *New Directions in Biomedical Research*, Toronto: University of Toronto Press
- 150. “The Promise and Perils of Thought Experiments”, *Interchange*, Vol 27/1, 2006, 63-75
- 151. “The Paradigm Wars: Competing Models of Understanding”, EOLSS (UNESCO)
- 152. Reprint of selections from *Who Rules in Science?* in Irvine (ed) *In the Agora*, Toronto: University of Toronto Press
- 153. Reprint of selections from “Privatizing the University — The New Tragedy of the Commons” in Irvine (ed) *In the Agora*, Toronto: University of Toronto Press

[2007]

- 154. “Thought Experiments in Science, Philosophy, and Mathematics”, *Croatian Journal of Philosophy* (special issue on my work on thought experiments), VIII, Part I, 19, 3-27 and Part II, “Comments and Replies”, 249-268
- 155. “Counter Thought Experiments,” *Philosophy*, Royal Institute of Philosophy Supplement: 61, 2007, 155-177. Also published in *Philosophy of Science* (ed. By Anthony O’Hear), Cambridge: Cambridge University Press, 2007
- 156. Review: Shermer, *Why Darwin Matters: The Case Against Intelligent Design, American Scientist* (Letter to Editor, replying to Shermer, included in on-line issue. <http://www.americanscientist.org/template/BookshelfLetterTypeDetail/assetid/55115>)
- 157. Review: Norman, *After Euclid: Visual Reasoning and the Epistemology of Diagrams, Meta-Science* (2007) 16: 131-135 (with Kathryn Mann)
- 158. Review: Roberts, *King of Infinite Space: Donald Coxeter, the Man Who Saved Geometry, Philosophia Mathematica*

[2008]

- 159. “Community of Science[®],” Carrier, Howard, and Kourany (eds) *The Challenge of the Social and the Pressure of Practice: Science and Values Revisited*, Pittsburgh: University of Pittsburgh Press
- 160. *Philosophy of Mathematics*, second edition, London and New York: Routledge
- 161. “Comments and Replies”, (Special issue, Part II on my stuff on thought experiments), *Croatian Journal of Philosophy*, Vol VII, No. 20, (2007) 249-268
- 162. Interview with Laurent Mayet, *Science et Avenir*, Jan/Feb. 2008
- 163. “Faith, thou hast some crotchets in thy head now ”, *Idea&s*, Spring 2008
- 164. “Politics, Method, and Medical Research”, *Philosophy of Science*, 75 (December 2008)

[2009]

165. “Может ли математика объяснять?,” (“Can mathematics explain?”) Эпистолия & Философия науки, 2009, 16-32
166. “Dubrovnik Reminiscences” in *Fragments of Memories*, B. Dragicevic and Ø. Øyen (eds.), Dubrovnik: IUC Publications pp. 36-38
167. “Logic, Epistemology, Philosophy of Science”, *The Canadian Encyclopaedia*, on line at www.thecanadianencyclopedia.com/index.cfm?PgNm=TCE&Params=A1SEC915656
168. Review: Sankey, *Scientific Realism and the Rationality of Science*, for *History and Philosophy of the Life Sciences*
169. Review: Chakravartty, *A Metaphysics for Scientific Realism: Knowing the Unobservable*, for *History and Philosophy of the Life Sciences*
170. Review: Sherwin and Schotch (eds.), *Engaged Philosophy: Essays in Honour of David Braybrooke*, *University of Toronto Quarterly*

[2010]

171. (With Mark Shumelda) “Thought Experiments and Inertial Motion: A Golden Thread in the Development of Mechanics”, *Rivista di Estetica* n.s., 42 (3/2009) 71-96
172. “One-shot Science” H. Radder (ed), *Commodification of Academic Research* U of Pittsburgh Press, 2010, pp 90-109
173. Review: Alix Cooper, *Inventing the Indigenous: Local Knowledge and Natural History in Early Modern Europe*, in *Hist. Phil. Life Sci.*, 31 (2009), 481-483
174. Review: Bostock, *Philosophy of Mathematics*, *Philosophia Mathematica*
175. Review: Mancosu (ed), *The Philosophy of Mathematical Practice*, *International J. Phil. Studies*
176. *Laboratory of the Mind: Thought Experiments in the Natural Sciences*, 2nd edition, London and New York: Routledge
177. Review with James Davies: Carrie Jenkins, *Grounding Concepts: An Empirical Basis for Arithmetical Knowledge* and Susan Carey, *The Origin of Concepts*, *Philosophical Quarterly* 2010

[2011]

178. Translation of *Who Rules in Science?* into Japanese
179. “Medical Market Failures and Their Remedy” *Science in the Context of Application*, M. Carrier and A. Nordmann, eds. Dordrecht: Springer
180. “The Good Old Days,” *Science and Its Recent History: Epochal Break or Business as Usual?* Edited by Alfred Nordmann, Hans Radder and Gregor Schiemann, Pittsburgh: University of Pittsburgh Press
181. “Über das Leben im Labor des Geistes,” *Deutsche Zeitschrift für Philosophie*: Vol. 59, No. 1, pp. 65-73
182. “Does Math have a Life of its Own?” Critical review of Maddy, *Second Philosophy*, in *Metaphilosophy*
183. “Swinburne on God and Simplicity,” *European J. for Philosophy of Religion*, 2011

[2012]

184. *Philosophy of Science: The Key Thinkers*, Editor, Continuum
185. *Platonism, Naturalism, and Mathematical Knowledge*, Routledge
186. *Thought Experiments in Philosophy, Science, and the Arts*, Routledge: London and New York, edited by Frappier, Meynell, and Brown
187. “Introduction” *Thought Experiments in Philosophy, Science, and the Arts* (ed with L. Meynell and M. Frappier), Routledge 2011
188. “What Do We See in a Thought Experiment?,” in Frappier, Mynell, and Brown (eds.) *Thought Experiments in Philosophy, Science, and the Arts*, Routledge: London and New York
189. “Traditional Knowledge and the Smallpox Eradication Campaign,” in Arun Bala (ed.) *Asia, Europe and the Emergence of Modern Science: Knowledge Crossing Boundaries*, Palgrave, 2012
190. Oxford Bibliographies article: “Thought Experiments” [This is an online annotated bibliography, commissioned by Oxford U Press]
191. *Pictures and Picture Proofs* with Wojciech Olejnik, Old Miller Books: Kitchener 2012 [This a pamphlet, a dialogue with illustrations. Olejnik is an artist interested in visual reasoning]

[2013]

192. “Thought Experiments,” in Curd & Psillos (eds) *Routledge Companion for Philosophy of Science*
193. Review (with Michael Stuart): *Thought Experiments in Methodological and Historical Contexts* Edited by Katerina Ierodiakonou and Sophie Roux, *HOPOS*, Spring 2013
194. “Die Wissenschaftsgemeinschaft” translation of “Community of Knowledge[®]” in Schurz & Carrier (eds) *Werte in den Wissenschaften. Neue Ansaetze zum Werturteilsstreit*, Suhrkamp
195. *The Knowledge Engineering Review*, Vol. 28, no. 3, 2013 (Special Issue: Visualization, Visual Representation and Reasoning) Edited with Frappier & Meynell
196. “Introduction” (with Frappier & Meynell) in *The Knowledge Engineering Review*, Vol. 28, no. 3, 2013
197. Review: *Plato’s Problem: An Introduction to Mathematical Platonism*, Marco Panza and Andrea Sereni, in *Philosophia Mathematica*
198. “Paradigm Wars: Competing Models Of Understanding” J. McMurtry (ed.) *Philosophy and World Problems*, vol. III, UNESCO Encyclopedia of Life Support Systems, 232-253

[2014]

199. “Explanation, Seeing, and Understanding in a Thought Experiment,” special issue “Simulation, visualization, and scientific understanding,” (edited de Regt and Parker), *Perspectives on Science* vol. 22, No. 3, pp 357-376

200. “Why Medicine is Different” *Building Bridges: Connecting Science, Technology and Philosophy: Essays for Hans Radder*, Henk W. de Regt and Chunglin Kwa (eds.), VU University Press, 2014, pp 89-99
201. “A Muse of Fire”, *Scientific Explanation and Methodology of Science*, Guichun Guo and Chuang Liu (eds.) Singapore: World Scientific, 32-44.
202. “Die guten, altern Zeiten, Medizinforschung gestern und heute” Nordmann, Radder, and Schiemann (eds) *Strukturwandel der Wissenschaft*, Germany: Velbrück Wissenschaft, 2014 (A version of something previously published as “The Good Old Days”)
203. Review (with Kevin Kuhl) *Argument of Mathematics*, Dove and Aberdein (eds.), *Notre Dame Philosophical Books* <http://ndpr.nd.edu/news/48625-the-argument-of-mathematics/>
204. “Images: 5 Questions” in F. Stjernfelt ed, *Images: 5 Questions*
205. “Mathematical Narrative” in *Acta Analytica*

[2015] / [2016]

206. “Kuhn, Nisbett, and the Needham Question,” *The Bright Dark Ages: Comparative and Connective Perspectives*, Arun Bala & Prasenjit Duara (eds.), Brill: Leiden & London, 2016
207. “Patents and Progress” *Perspectives on Science*, 2016, vol 24, no 5, 1-25
208. Review (with N. Stemeroff), *The Cambridge Companion to Einstein*, for *Meta-Science*
209. “Smallpox Eradication: Epistemology & Politics” *Science, Philosophie, Société*, Alexandre Guay & Stéphanie Ruphy (eds), Presses Universitaires de Franche-Comté (expected 2016)

[2017]

210. “Socializing Medical Research,” in *Current Controversies in Values and Science*, Edited by Kevin C. Elliot and Daniel Steel, Routledge
211. Review: *An Historical Introduction to the Philosophy of Mathematics*, Russell Marcus and Mark McEvoy (eds.), New York: Bloomsbury, 2016, in *Philosophia Mathematica*
212. “Why Spacetime has a Life of its Own,” *Space, Time and the Limits of Human Understanding*, S. Wuppuluri and G. Ghirardi (eds.) Springer
213. *On Foundations of Seismology: Bringing Idealization Down to Earth* (with M. Slawinski), Singapore: World Scientific
214. *Handbook of Thought Experiments*, (edited with Y. Fehige and M. Stuart) Routledge
215. Review: Fraenkel, *Recollections of a Jewish Mathematician in Germany*, *Mathematical Intelligencer*, 2017
216. “Proofs and Guarantees” *Mathematical Intelligencer*, 39(4), 47-50 DOI 10.1007/s00283-017-9730-1 [Reprinted in *Scientific American* (on line) at]
217. “L’éradication de la variole: leçons pour l’épistémologie et la politique,” *Science, philosophie, société*, Presses Universitaires de Franche-Comté, sous la direction de A. Guay et S. Ruphy, 2017

[2018]

- 218. Review, Sam Cowling, *Abstract Entities, Metascience*
- 219. “Forward” Kent Peacock, *Quantum Heresies*

[2019]

- 220. “Dialogue With the Damned,” Review of Yves Gingras, *Science and Religion: An Impossible Dialogue, Metascience*
- 221. “Ethics and the Continuum Hypothesis,” Fillion, N., Corless, RMC, Kotsireas, I. (Eds), *Algorithms and Complexity in Mathematics, Epistemology, and Science*, Fields Institute Communications, Springer, 2019
- 222. “Natural Science and Supernatural Thought Experiments,” *Religions* **2019**, *10*, 389. <https://www.mdpi.com/2077-1444/10/6/389>
- 223. Review (with Atoosa Kasirzadeh), Bueno and French, *Applying Mathematics, Philosophy of Science*

[2020]

- 224. “Legitimate Mathematical Methods,” *Croatian Journal of Philosophy*, Vol. XX, No. 58, 2020
- 225. “Discussion: “The Autonomy and Integrity of Science.” *Issues in Science and Technology* 36, no. 4 (Summer 2020). Reply to “Turner, Stephen P., and Daryl E. Chubin. “The Changing Temptations of Science.” *Issues in Science and Technology* 36, no. 3 (Spring 2020): 40–46. Also on line: https://issues.org/the-autonomy-and-integrity-of-science-forum-turner-chubin/#forum-response-block_5f52ada8bb01b

[Forthcoming]

- 226. Translation of *Who Rules in Science?* into Korean
- 227. Translation of *Who Rules in Science?* into Chinese
- 228. Translation of *Smoke and Mirrors* into Chinese
- 229. Translation of *Philosophy of Mathematics* into Korean
- 230. Translation of *Philosophy of Mathematics* into Persian (with a new Introduction)
- 231. Translation of *Philosophy of Science: The Key Thinkers* into Turkish with a new preface for the Turkish edition
- 232. “Regulation and Research: Approaches to Market Failures in Medicine” G. McKenny (ed) Note Dame
- 233. “Epistemic Prospects of AMCs”, a ZiF volume
- 234. Review of Sokal, *Beyond the Hoax*
- 235. *Subtle Matter: Aether From Aristotle to Dark Energy*, Oxford
- 236. *Philosophy of Science*, London: Palgrave Macmillan

237. *Philosophy of Science: The Key Thinkers* 2nd edition

CONFERENCE PRESENTATIONS AND INVITED LECTURES

1. "HPS: A Manifesto", Philosophy, Dalhousie, Halifax, Nov. 1979
2. "Reply to Crombie's "Thomas Reid and the Geometry of Visibles", Atlantic Philosophical Association, Halifax, Nov. 1979
3. "Scientific Rationality and the Use of History", Canadian Philosophical Association, Montreal, June 1980
4. "History and the Norms of Science", Philosophy of Science Association, Toronto, Oct. 1980
5. "Case Studies: How They Work", Philosophy, Toronto, March 1981
6. "Values in Science", Brett Club, Toronto, Nov. 1981
7. "Understanding Science: The Sociological Turn", Institute for the History and Philosophy of Science, Toronto, March 1982
8. "Rescher's Evolutionary Epistemology", Canadian Society for the History and Philosophy of Science, Ottawa, June 1982
9. "Foundations of Quantum Mechanics", Physics and Philosophy, Toronto, March 1982
10. "Foundations of Quantum Mechanics II", Physics and Philosophy, Toronto, April 1982
11. "Realism, Miracles, and the Common Cause", Canadian Philosophical Association, Ottawa, 1982
12. "Comments on Can God Make a Contradiction True?", Canadian Philosophical Association, Ottawa, June 1982
13. "Realism, Miracles, and the Common Cause", Philosophy of Science Association, Philadelphia, Oct. 1982
14. "Philosophy of Science", Institute for the History and Philosophy of Science, Toronto, Sept. 1982
15. "Foundations of Quantum Mechanics III", Physics and Philosophy, Toronto, March 1983
16. Eight presentations in a workshop on scientific realism at Dalhousie, Halifax, July-August 1983
17. "Realism, Anti-Realism, and the Quantum Theory", Dalhousie conference on scientific realism, Halifax, Aug. 1983
18. "What if Schrödinger's Cat Had Kittens?", Philosophy, University of Guelph, December 1983
19. "What if Schrödinger's Cat Had Kittens?", Philosophy, McGill University, February, 1984.
20. "Realism and the Quantum Theory", Philosophy, University of Victoria, March 1984.
21. "The Sociological Turn", Philosophy, McMaster University, April 1984.
22. "What If Schrödinger's Cat Had Kittens?", Dubrovnik, Yugoslavia, April 1984.
23. "Rescher's Evolutionary Epistemology", Dubrovnik, Yugoslavia, April 1984.
24. "Bloor's Strong Programme", Dubrovnik, Yugoslavia, April 1984.
25. "Explaining the Success of Science", Dubrovnik, Yugoslavia, April 1984.
26. "Realism and the Anthropocentrics", Canadian Philosophical Association, Guelph, June 1984.
27. "Realism and the Anthropocentrics", Philosophy of Science Association, Chicago, October 1984.
28. "A Quantum Mechanical View of the World", Philosophy, Scarborough College, Toronto, November 1984.

29. "Philosophical Problems of Quantum Mechanics", The Brett Club, Trinity College, February 1985
30. "Laudan on Holism and Truth", Philosophy of Science conference, Dubrovnik, Yugoslavia, April 1985
31. "Comments on Thornton's "The Paradox of Indeterminacy", C.P.A., Montreal, May 1985
32. "Values and the Structure of Experience", Bath Conference on the Uses of Experiments, Bath, England, August-September 1985
33. "Social Factors in the History of Science" (A debate with S. Shapin) Upper Canada Branch, Soc. for H.P.S., London, Ontario, November 1985
34. "Thought Experiments in Science", Glendon College, February 1986
35. "Thought Experiments", Carlton University, Ottawa, March 1986
36. "Thought Experiments Since the Scientific Revolution", Dubrovnik, Yugoslavia, April 1986
37. "The Structure of Thought Experiments", C.S.H.P.S., Winnipeg, May 1986
38. "The Bell Inequality" (Comments on A. Schoner), Forum, University of Toronto, November 1986.
39. "Philosophy and Science: The Future Options", conference on Postmodernism, University College, Toronto, January 1987.
40. "Einstein's Brand of Verificationism", Dubrovnik, Yugoslavia, April 1987.
41. "Finitism: Kuhn and the Strong School", C.P.A./C.S.H.P.S., Hamilton, May 1987.
42. "Einstein's Brand of Verificationism", C.S.H.P.S., Hamilton, May 1987
43. "Platonic Explanation, Or What Abstract Entities Can Do For You", Dubrovnik, Yugoslavia, April 1988.
44. "Taking Knowledge Seriously", C.P.A./C.S.H.P.S., Windsor, May 1988.
45. Twelve lectures on rationality and realism in science, Lanzhou University, Lanzhou, China, October 1988.
46. "The Rational and the Social", Lanzhou, China, October 1988.
47. "Thought Experiments", Lanzhou, China, October 1988.
48. " π in the Sky", Waterloo, January 1989
49. "Philosophical Problems in Quantum Mechanics", Department of Physics, U. of Western Ontario, February 1989
50. "Biology and Knowledge: Let No One Join Together What God Hath Put Asunder", Dubrovnik, Yugoslavia, April 1989
51. "Replies" (Session on my book *The Rational and the Social* at the CSHPS), Laval, Quebec, May 1989.
52. "Laws and Quantum Correlations", Academy of Sciences, Moscow, June 1989.
53. "Evolutionary Epistemology", Academy of Sciences, Moscow, June 1989.
54. "Five Grades of Social Involvement in Science", Academy of Sciences, Moscow, June 1989.
55. " π in the Sky", Mathematics and Philosophy, Carleton University, November 1989
56. Debate with S. Schaffer on social interpretations of science, Toronto, March 1990.
57. "Laws and Quantum Correlations", Dubrovnik, April 1990
58. "Latour's Prosaic Science", Sorbonne, Paris, April 1990
59. "*Gedanken* Experiments and the Unity of Mathematics and Physics", Berlin, June 1990
60. "Reply to Hoffman on Quantum Mechanics", C.P.A., Victoria, May 1990

61. "Phenomena" Dubrovnik, April 1991
62. "Philosophy of Science", Faculty of Forestry, University of Toronto, October 1991
63. "Phenomena and Illustrations", Toronto, October 1991
64. "Thought Experiments", Scarborough College, November 1991
65. "Five Grades of Social Involvement in Science", Faculty of Health Science, University of Toronto, March 1992
66. "What is the Vector Potential?", Dubrovnik, April 1992
67. "Phenomena", Canadian Soc. for the History and Philosophy of Science, Charlottetown, PEI, May 1992
68. "Underdetermination and the Social Side of Science", Canadian Soc. for the History and Philosophy of Science, Charlottetown, PEI, May 1992
69. "Phenomena", Beijing, June 1992
70. "Why Empiricism Won't Work", *Phil. of Sc. Assoc. 1992*, Chicago, 1992
71. Vaughn Memorial Lectures (Balliol College, Oxford, November 1992)
 1. How to be an Anthropologist of Science
 2. Thought Experiments
 3. Phenomena
72. "Illustration and Inference", Dubrovnik, April 1993
73. "Phenomena", Computer Science Inst., Krakow, September 1993
74. "Phenomena", Academy of Sciences, Warsaw, September 1993
75. "Proofs and Pictures", Dubrovnik, April 1994
76. "Thought Experiments", Dubrovnik, April 1994
77. Comments on Harland, "Theoretical Grounding of Thought Experiments", CPA, Calgary, June 1994
78. "Proofs and Pictures", UBC, Vancouver, November 1994
79. "Proofs and Pictures", Trent U., December 1994
80. "What is an Open Society?" Budapest, October 1995
81. The Machette Lectures (Purdue Indiana, February 19-24, 1996)
 1. "The Visual and the Abstract"
 2. "Picture Proofs and Platonism"
 3. "Wittgenstein and Picture Proofs"
82. "Wittgenstein and Mathematics as a Social Science", Dubrovnik, April 1996
83. Comments on Landry: Category-theoretic Realism, CPA, St. Catherines, May 1996
84. "Proofs and Pictures", U. of Alberta, September 1996
85. "Straight Shooting in the Science Wars", Montreal, Jan. 1997
86. "Straight Shooting in the Science Wars", Trent, May 1997
87. "Greek Traditions in Quantum Mechanics", Thessaloniki, Greece, Sept. 1997
88. Comments on Raymont, "Does anything Break Because It is Fragile?" OPS, Toronto, October 1997
89. "The Science Wars", University College, Toronto, February 1998
90. "Scenes From the Science Wars", Carleton, February 1998
91. "What's Right About Formalism?", Dubrovnik, April 1998
92. "One Science, Many Methods", Unity of Science, Krakow, Poland, May 1998
93. "Who Should Rule?", Calgary, January 1999
94. "Who Should Rule?", Waterloo, April 1999
95. "Knots and Notation", Dubrovnik, April 1999

96. “Comments on McDermid”, OPS, Guelph, October 1999
97. “Proofs and Pictures”, to University of Toronto Mathematics Association, January 2000
98. “Naturalism and Other Mistakes in the Philosophy of Mathematics”, Dubrovnik, April 2000
99. “Proofs and Pictures”, Bielefeld, April 2000
100. “Who Gets Einstein?” CPA/CSHPS, Edmonton, May 2000
101. “Recent Trends in the Philosophy of Science”, Samuel Lunenfeld Research Institute, Toronto, September 2000
102. “Teaching with Transparencies”, Philosophy, Toronto, September 2000
103. “Comments on Wilson, ‘Pluralism, Entwinement, and Levels of Selection’ ”, WCPA, October, 2000 (Edmonton)
104. “The Business of Philosophy” (Panel), WCPA, October, 2000 (Edmonton)
105. “Proofs and Pictures” Mathematics, Queen’s U, November, 2000
106. “Proving With Pictures”, Field’s Institute, January 2001
107. “Proofs and Pictures” Macalaster College, April 2001
108. “Maddy’s Brand of Naturalism”, British Society for Philosophy of Science, York UK, July 2001
109. “Thought Experiments”, Bonn, July 2001
110. “Science as a Democratic Process”, Konstanz, July 2001
111. “Problems for Naturalism”, Roskilde, Denmark, November 2001
112. Panel Discussion: “Mathematics as Rational Activity”, Roskilde, Denmark, November 2001
113. “Funding and Objectivity in Medical Research”, Warsaw April 2002
114. “Problems in Science Journalism”, Quebec, April 2002
115. “Funding, Objectivity, and the Socialization of Medical Research”, U of T Grad Student Conference, Toronto, May 2002
116. “Reply to Critics”, Author meets Critics: *Who Rules in Science?*, CSHPS, Toronto, May 2002
117. “Peeking into Plato’s Heaven”, Philosophy of Science Association, Milwaukee, Nov. 2002
118. “Community of Science[®]”, ZiF conference on Science and Values, Bielefeld, July 2003
119. “Promise and Perils of Thought Experiments”, Winnipeg conference on science education, July-Aug 2003
120. “Community of Science[®]” The Steinkraus Lecture 2003, SUNY Oswego, October 2003
121. “Methodological Problems in the Health Sciences”, Bielefeld, October 2003
122. “Reality of Formal Causes”, Mexican Philosophy Association, Guadalajara, Mexico, November 2003
123. “Community of Science[®]”, Keynote address, Prairie Province Student Conference, Saskatoon, January 2004
124. “Community of Science[®]”, Keynote address, Mephisto 2004 (Graduate student conference), UWO, January 2004
125. “The Quality of Research” Research and the Law: A Working Conversation on Scientific Research in the Courtroom, Toronto, February 2004
126. “Community of Science[®]”, Wayne State U. April 2004
127. “How to Refute the Continuum Hypothesis”, Wayne State U. April 2004

128. “Community of Science[®]”, Center for Inquiry International, conference on Science & Ethics, Toronto, May 2004
129. “Money, Method, and Medical Research,” at *Episteme* launch, London, June 2004
130. “How to Refute the Continuum Hypothesis”, at conference: *Thought Experiments Re-Thought*, Ghent, Belgium, September 2004.
131. “Thought Experiments and Laws of Nature”, Philosophy, Universite de Louven-la-neuve, September 2004
132. “Who Rules in Science?”, ROM series talk, November 2004
133. “Thought Experiments”, Physics Group, Perimeter Institute, Waterloo, November 2004
134. “Proofs and Pictures” Perimeter Institute, Waterloo, November 2004 (video at: <http://streamer.perimeterinstitute.ca:81/mediasite/viewer/FrontEnd/Front.aspx?&shouldResize=False>)
135. “Why Einstein Matters”, Panel, York University, March 2005 (Broadcast on Quirks & Quarks, CBC Radio, March 12, 2005. Audio available at: <http://radio.cbc.ca/programs/quirks/archives/04-05/mar12.html>)
136. Debate on Scientific Method (with Wil Cunningham), Dept of Psychology, U of Toronto, March 2005
137. “Thought Experiments in Mathematics”, MASSU, Dept of Mathematics, U of Toronto, March 2005
138. “Thought Experiments in Science and Mathematics”, Rijeka, Croatia, April 2005 (Part of a “James Robert Brown Symposium” at the *Rijeka 7th International Conference*. Several papers were followed by my replies:
 139. Reply to Mišćević, “Thought Experiments”
 140. Reply to Jutronic, “Platonism in Linguistics”
 141. Reply to Davies, “Thought Experiments and (Other?) Fictional Narratives”
 142. Reply to Starikova, “Brown’s Mathematical Platonism”
 143. Reply to Arko, “Mathematics and Ockham’s Razor”
 144. Reply to Gavran, “Brown and Meno”
 145. Reply to Puskarić, “Imagination and Possibility in Thought Experiments: Berkeley’s Unconceived Tree”
 146. Reply to Boris Grozdanoff “Physical Thought Experiments”
 147. Reply to Butković, “Thought Experiments: Kuhn or Brown?”
148. “Community of Science[®]” Dubrovnik, April 2005
149. “How to Refute the Continuum Hypothesis”, Paderborn, July 2005
150. “How to Refute the Continuum Hypothesis”, Bielefeld, July 2005
151. “Money and Medical Research” Mexican Philosophical Association, Morilla, Mexico, November 2005
152. “Community of Science[®]”, Dalhousie University, Halifax, January 2006
153. “Counter Thought Experiments” Royal Institute of Philosophy, London, February 2006
154. “Thought Experiments and the Continuum”, Cambridge, February 2006
155. “Counter Thought Experiments” Manchester, February 2006
156. “Novel predictions in physics”, CSHPS, York University, May 2006
157. *Science and Religion* (five lectures), Knox College, August, 2006
158. “Reason and Regulation”, Notre Dame, September 2006
159. “Politics as Method”, PSA, Vancouver, November 2006

160. “Money, Medical Research, and Method”, McMaster, February 2007
161. “Thought Experiments and the Continuum Hypothesis”, UNAM, Mexico, February 2007
162. “Money, Medical Research, and Method”, UNAM, Mexico, February 2007
163. “One-shot Science” Amsterdam June 2007
164. “Discovery, Justification, and Commercialization” Bielefeld June 2007
165. “Discovery, Justification, and Commercialization” Konstanz June 2007
166. “The Crisis of Commercialized Medical Research,” Ryerson, September, 2007
167. “Commercialization: A View From the Group”, Conference, *Science in Application*, Bielefeld, September 2007
168. “Thought Experiments and the Continuum Hypothesis,” Mathematics, Simon Fraser, October 2007
169. “Mathematical Explanation,” Mexico, Nov. 2007
170. “The Crisis of Commercialized Medical Research”, Wuppertal, Nov. 2007
171. “Current Work on the Continuum”, Wuppertal, Nov. 2007
172. “Commercialized Medical Research and its Problems”, Bielefeld, Nov 2007
173. “Thought Experiments and the Continuum Hypothesis,” UWO, Nov 2007
174. “Indispensability and Mathematical Explanation”, Canadian Mathematical Society Annual meeting, UWO Dec 2007
175. “Does Time Pass?,” Ryerson, January 2008
176. “Philosophy of Science” Guest lecture in Department of Linguistics, U of T, February 2008
177. “Reason, Research, and IP Rights,” Trent, March 2008
178. “Mathematical Explanation,” Dubrovnik, April 2008
179. “Thought Experiments” Ontario Philosophy Teachers Association Conference, Toronto, May 2008
180. “Two Problems of Randomized Clinical Trials”, Workshop on Science and Values, Bielefeld, July 2008
181. “Thought experiments and visual reasoning” Bellagio, September 2008
182. “Thought Experiments”, Department of Physics Colloquium, U of Toronto, March 2009
183. “Problems and Prospects of AMCs, Science and Politics of Neglected Diseases,” Geneva, Dec. 2008
184. “Traditional Knowledge and the Smallpox Eradication Campaign” Singapore conference on east-west science, May 2009
185. “The Continuum Hypothesis, Or How to Refute the Un-Refutable” U of T Math Club, September 2009
186. “Prospects of AMCs”, European Philosophy of Science Association, Amsterdam, October 2009
187. “The Great Time Debate” (with Lee Smolin and Richard Bond), January 26, 2010, U of Toronto.
188. “Two problems with Thought Experiments” Dubrovnik, April 2010
189. “Nisbett, Kuhn, Thought Experiments, and the Needham Question,” conference on the Bright Dark Ages: Rethinking Needham’s Grand Question, Institute of Southeast Asian Studies, Singapore, May 20-21, 2010
190. “Seeing and Understanding in a Thought Experiment,” Conference on Understanding and the Aims of Science, Leiden, June 2010

191. “What Do We See in a Thought Experiment?” Workshop on Thought Experiments, Halifax June 2010
192. “The Crisis in Current Medical Research”, Toronto, August 5, 2010
193. “Influence of Commercialization on Drug Research and What to Do About It,” Max Planck Institute for History of Science, Berlin, Nov. 2010
194. Commercialization and its Problems,” Memorial University of Newfoundland, February 23, 2011
195. “Numbers and Nature,” Memorial University of Newfoundland, February 24, 2011
196. “What do we see in a Thought Experiment? CSHPS, Congress, June 2011
197. Invited Lectures at Universidad Autónoma Metropolitana-Iztapalapa, Mexico City, July 4-8, 2011
 1. Life in the Laboratory of the Mind
 2. What do we see in a Thought Experiment?
 3. Visual Proof in Mathematics
 4. Platonism, Naturalism, and Mathematics
 5. Mathematical Explanation
198. “What do we see in a Thought Experiment?, Guelph, October 14, 2011
199. “Thought Experiments, Or How to Learn Cool Stuff Just by Thinking”, Treehouse.org, Toronto Reference Library, December 9, 2011
200. “Should a scientist believe in god?” February 9, 2012, OISE, Toronto (Video available at <http://vimeo.com/39110475>)
201. “Blind Spots in Current Discussions of the Laboratory of the Mind,” IHPST, Toronto, March 28, 2012
202. “A Muse of Fire,” Graz, Austria, April 24, 2012
203. “Smallpox Eradication: Epistemology on the Fly,” University of Vienna, April 25, 2012
204. “A Muse of Fire,” CPA/CSHPS Waterloo, May 2012
205. “Smallpox Eradication: Epistemology & Politics,” Montreal, June 1-3, 2012 Keynote address for IVe Congrès de la Société de Philosophie des Sciences (SPS)
206. “Comments on Eric Hochstein,” CPA, Waterloo, May 2012
207. “Smallpox Eradication: Epistemology & Politics”, Conference on Social Relevance of Philosophy of Science, Bielefeld, June 11-13, 2012
208. “Culture and Content: How Do Math Notations Work?” Keynote: Conference on Cultures in Mathematics Phil math, IHPST, Toronto, July 28-29
209. “Epistemology, Politics, Money, Medicine” The Kennedy Lecture, Queen’s, Kingston, September 13, 2012
210. “A Muse of Fire”, Conference on Explanation and the Methodology of Science, Taiyuan, China, September 20-21, 2012
211. “The Problem of Notation: How Do Feynman Diagrams Work?” The Hidden Face of Mathematical Axioms: A Colloquium on the History and Philosophy of Mathematics México City October 24, 2012
212. “Il mondo ‘fantastico’ degli esperimenti mentali”, Macarata, Italy December 2012
213. “Crisis in current Medical Research,” Center for Values in Medicine, Science, and Technology, University of Texas (Dallas), January 29, 2013
214. “Thought Experiments,” Philosophy, University of Texas (Dallas), January 30, 2013
215. “The Wonderful World of Thought Experiments”, Nipissing, North Bay, February 2013

216. “How Do Feynman Diagrams Work?”, Dubrovnik, Annual Philosophy of Science Conference, April 2013
217. “How Do Feynman Diagrams Work?”, Philosophy, University of Vienna, April 2013
218. “Patents and Progress: The Current Crisis in Commercialized Medical Research”, Science, Policy, Values Conference, Toronto, June 26, 2013
219. “How Feynman Diagrams Work?,” European Philosophy of Science Association, Helsinki, August 2013
220. “Freedom for Research,” Panel Discussion on Freedom of Research, Peace and Social Justice conference, Wilfrid Laurier University, Waterloo, October 19, 2013
221. Panel discussion: Quebec’s Charter of Values. UTM, November 11, 2013
222. “What is Science and Why Should We Care?” Joint presentations with Alan Sokal, Bridges Lecture Series, Waterloo, November 22, 2013
223. “Mathematics: Pure and Applied,” Aarhus, Denmark, January 30, 2014
224. “The Pure & The Applied”, IHPST, Toronto, March 12, 2014
225. “Patents and Progress: The Current Crisis in Commercialized Medical Research”, Vital Discussions of Human Security Lecture Series, Toronto, January 16, 2014
226. “Mathematics: Pure and Applied” Departments of Mathematics and Philosophy, Simon Fraser, March, 2014
227. “Patents and Progress” Situating science, King’s College, Halifax March 20, 2014-04-29
228. Informal lunch talk on visualization, King’s College, Halifax, March 21, 2014-04-29
229. “Mathematics: Pure & Applied, Dalhousie, March 20-21, 2014
230. “Pure & Applied” Wittgenstein conference in Austria, August 2014
231. “Mathematics and Ethics: Pure and Applied” Saskatoon, March 6, 2015-03-09
232. “Thought Experiments and the Poverty of Empiricism”, Saskatoon, March 7, 2015
233. “Proof and Pictures: Pure and Applied” Conference on Pictures and Proofs, Columbia, South Carolina, March 2015
234. “Remarks and Reminiscences,” at *Guelph Philosophy Turns Fifty*, University of Guelph, June 7, 2015 (available at: <https://www.uoguelph.ca/philosophy/events/50th>)
235. “Pure and Applied: The Mathematics-Ethics Relation”, ACMES, UWO, May 2016
236. Mathematical Evidence: Pure vs Applied, European Philosophy of Science Association, Dusseldorf, October 2016
237. “Math & Ethics: Pure and Applied,” Dubrovnik April 25, 2017
238. “Thick & Thin,” EPSA. Exeter August 2017
239. “Pure and Applied: Mathematics and Ethics,” William Reinhardt Memorial Lecture, University of Colorado, Boulder, October 6, 2017
240. “Smallpox Eradication,” Deliberation Panel, Waterloo, October 14, 2017
241. “Empiricism, Ethics and Mathematics” Student organization at IHPST, Toronto, January 24, 2018
242. “Ethics and Mathematics” Math Club, Mathematics, U of Toronto, March 21, 2018
243. “Mathematics and Ethics” Talk at IHPST March 21, 2018
244. “Mathematical Evidence and Ethics,” Conference in honour of Storrs McCall, Montreal, McGill, April 7, 2018
245. “Mathematics and Ethics,” Graz, April 2018
246. Workshop on philosophy of mathematics, Graz, April 2018
247. Thought Experiment lectures, Vienna summer school (with John Norton and Elke Brendel), July 2018

- 248. “Plato vs Aristotle” Canadian Mathematical Society Meetings, Vancouver, December 9, 2018
- 249. “Thought Experiments and the Methods of Mathematics,” presented by Skype, Paris Workshop on Thought Experiments, February 22, 2019
- 238. “Legitimate Mathematical Methods,” Philosophy of Science Conference, IUC, Dubrovnik, April 2019
- 250. “Mathematics and Ethics,” Miami October 2019
- 251. “Smallpox Eradication”, Miami, October 2019
- 252. Comments on Nicholas Danne, “Mathematical Realism from Reflectance Physicalism” Metaphysics and Science Conference, Toronto, IHPST, November 2019
- 253. Panel on “Bad Science”, Canadian Undergraduate Physics Conference (Zoom), November 6, 2020
- 254.

CONFERENCE ORGANIZATION

- 1. Scientific Rationality: The Sociological Turn, University of Western Ontario, March 1981 (Published under title, Reidel, 1984.)
- 2. Leibniz: The Philosophy and Foundations of Science, University of Toronto, November 1982 (Published as *The Natural Philosophy of Leibniz*, Reidel, 1985)
- 3. Ever Since Kuhn, University of Toronto, January 1984
- 4. Annual meeting of the Canadian Society for the History and Philosophy of Science, (Learneds), Guelph, June 1984
- 5. York/U of T Workshop in the Philosophy of Science, Glendon College, April 1985. (Co-organizer with J. Hattiangadi)
- 6. Annual meeting of the Canadian Society for the History and Philosophy of Science, (Learneds), Montreal, May-June 1985
- 7. York/U of T Conference in the Philosophy of Science, University of Toronto, November 1985 (with J. Hattiangadi)
- 8. The Structure of the Social Sciences, University of Toronto, January 1986
- 9. York/U of T Workshop in the Philosophy of Science, Glendon College, March 1987 (with J. Hattiangadi)
- 10. York/U of T Workshop in the Philosophy of Science, University of Toronto, November 1987 (with J. Hattiangadi)
- 11. Physicalism in Mathematics, University of Toronto, June 1988 (with A. Irvine) Published under title, (ed.) Irvine, Reidel 1989.
- 12. Spinoza: The Enduring Questions, University of Toronto, April 1989 (with G. Hunter).
- 13. Scientific Illustration: Historical and Philosophical Problems, Toronto, October 1991 (with B. Baigrie)
- 14. Regular and ongoing annual organization of Philosophy of Science section, Inter-University Centre of Postgraduate Studies, Dubrovnik, Croatia, 1984-
- 15. Co-organizer (with D. Sfondoni-Mentzou): Aristotle and Modern Science, Thessaloniki, Greece, Sept. 1997

16. Chair, Organizing Committee, (history and sociology of science section), LMPS, Ovideo, Spain 2003
17. Organizing Committee, *Thought Experiments Re-Thought*, Ghent, Belgium, September 2004
18. Conference organizer: “Difference and Dissent”, associated with the journal *Episteme*, Toronto, June 2006
19. Conference organizer: Workshop on Thought Experiments, Toronto, May 2007
20. Conference organizer: Workshop on Thought Experiments, Toronto, May 2009
21. Conference co-organizer: Workshop on Thought Experiments, Dalhousie, Halifax, June 2010
22. Science Journalism Workshop (co-organized with Kelly Crowe, CBC, The National) October 2-3, 2014

COURSES TAUGHT

At University of Western Ontario (as TA)

Introduction to Philosophy (20) 1975-76, 76-77, 77-78
Critical Reasoning (21) 1978-79

At Dalhousie University 1979-80

Introduction to Philosophy (101)
Symbolic Logic (211)
Existentialism (217)
Philosophy of Science (465)

At University of Western Ontario 1980-81

Introduction to Philosophy (20)
Philosophy of Science (234)
Formal Logic (280)
Metaphysics (453)
Supervision of a reading course: Philosophy of Science (379)

At University of Toronto 1981-82

Pragmatic Tradition (228)
Modern Symbolic Logic (245)
Special Tutorial (399)
Logic, Knowledge, and Reality (100) (Two sections)
Intermediate Logic (345)

1982-83

Foundations of the Sociology of Knowledge (2197) (Graduate)
Modern Symbolic Logic (245)
Intermediate Logic (345)
Science and Philosophy (255)
Logic, Knowledge and Reality (100) (Two sections)
Supervision of reading courses: (1) Philosophy of Science
(2) Space and Time (3) Logic (graduate)

1983-84

Philosophy of Science (2192) (Graduate)
Modern Symbolic Logic (245)
Intermediate Logic (345)
Science and Philosophy (255)
Logic, Knowledge, and Reality (100) (Two sections)
Philosophy of Logic and Mathematics (346) (Overload)
Supervision of reading courses: (1) Philosophy of Science (Graduate)
(2) Philosophy of Physics (3) Logic (4) Russell

1984-85

Philosophy of Science (2192) (Graduate)
Logic (2121) (Graduate)
Modern Symbolic Logic (245)
Logic, Knowledge, and Reality (100) (Two sections)
Science and Pseudo-science (255)
Supervision of reading course: Analytic philosophy (Graduate)

1985-86

Philosophy of Science (2192) (Graduate)
Seminar in the Philosophy of Science (With A. Urquhart and w. Seager) (Graduate)
Many-valued and Modal Logic (347)
Modern Symbolic Logic (245)
Logic, Knowledge, and Reality (100) (Two sections)
Supervision of reading courses: (1) Empiricists (graduate)
(2) Logic (graduate) (3) Meta-logic (graduate) (4) Philosophy of Science
(5) PHY 372, Foundations of quantum mechanics in the Dept. of Physics

1986-87

Philosophy of science (2192) (Graduate)
Seminar in Philosophy of Science (2199) (with W. Seager and A. Urquhart)(Grad)
Modern Symbolic Logic (245)
Philosophy of Science (HPS 250)
Intermediate Logic (345)
Philosophy of Natural Science (355)
Logic, Knowledge and Reality (100) (Second half, two sections)
Supervision of reading courses: (1) Logic and computers (grad), (2) Set Theory

1987-88

Topics in Metaphysics: Space and Time (435/2105)
Modern Symbolic Logic (245)
Philosophy of Logic and Mathematics (349)
Intermediate Logic (345)
Set Theory (347)
Seminar in Philosophy of Science (2199) (with W. Seager)
Supervision of reading courses: (1) Philosophy of Science (grad), (2) Space and time (twice)

1988-89

On leave, no teaching.

1989-90

Seminar in Metaphysics: Laws of Nature (graduate)
Set theory (349)
Philosophy of Mathematics (346)
Philosophy of Physics (356)
Supervision of various reading courses

1990-91

Topics in Philosophy of Science (2196) (graduate)
Introductory Philosophy of Science (HPS 250)
Metalogic (344)
Philosophy of Physics (356)
Supervision of various reading courses

1991-92

Philosophy of Science (2192) (graduate)
Introductory Mathematical Logic (2120) (graduate)
Set Theory (349)
Philosophy of Mathematics (346)
Philosophy of Physics (356)
Supervision of various reading courses

1992-93

Foundations of Physics (2193) (graduate, with W. Seager)
Metalogic (344)
Philosophy of Mathematic (346)
Philosophy of Physics (356)
Supervision of various reading courses

1993-94

On leave; no teaching

1994-95

Philosophy of Science (2192) (Grad.)
Metalogic (344)
Philosophy of Mathematic (346)
Philosophy of Physics (356)

1995-96

On leave; no teaching

1996-97

Philosophy of Mathematics (2127) Grad.
Problems of Philosophy (100 Y)
Philosophy of Physics (356)

1997-98

Philosophy of Mathematics (346)
Philosophy of Science (355)
Special Seminar (Quantum Mechanics) (492)
Philosophy of Mathematics (2127) Grad.

1998-99

Science and Religion (HUM 199)
Problems of Philosophy (100Y) (half)
Philosophy of Mathematics (346)
Philosophy of Physics (356)
Philosophy of Science (2127) Grad

1999-2000

Science and Religion (HUM 199)
Metalogic (344)
Set Theory (349)
Symbolic Logic (245)
Philosophy of Science (Grad)

2000-2001

Science and Religion (HUM 199)
Philosophy of Science (PHL 355)
Philosophy of Physics (PHL 356)
Philosophy of Mathematics (PHL 346)
Space and Time (Grad)

2001-2002

Science and Religion (HUM 199)
Intermediate Logic (PHL 345)
Philosophy of Physics (PHL 356)
Philosophy of Mathematics (PHL 346)
Space and Time (Grad)

2002-2003

On leave; no teaching

2003-2004

Introduction to Philosophy (PHL 100)
Philosophy of Physics (PHL 356)
Space and Time (Grad)
Reading courses

2004-2005

Intermediate Logic (PHL 345)

2005-2006

Philosophy of Physics (PHL 356)
Thought Experiments (PHL 482/2196)
Reading courses

2006-2007

Philosophy of Physics (PHL 356)
Space & Time (PHL 482/2196)

2007-2008

Intermediate Logic (PHL 345)
Philosophy of Mathematics (PHL 346)
Philosophy of Physics (PHL 356)
Reading courses on Phil of Mathematics (2)

2008-09

On leave in first term
Philosophy of Mathematics (346)
Philosophy of Physics (356)
Thought Experiments (Grad)

2009-10

Science, Religion, and Society (HUM 199)
Philosophy of Science (355)
Space and Time (Grad)
Reading courses (phil of math, thought experiments)

2010-11

Philosophy of Mathematics (346)
Philosophy of Physics (356)
Seminar in the Philosophy of Science (415)
Philosophy of Mathematics (Grad)
Reading courses (Phil of Math)

2011-12

Philosophy of Mathematics (346)
Philosophy of Physics (356)
Seminar in the Philosophy of Science (415)
Thought Experiments (Grad)
Reading courses

2012-13

On leave fall term
Philosophy of Mathematics (346)
Philosophy of Science (255)
Reading courses

2013-14

Philosophy of Mathematics (346)
Philosophy of Physics (356)
Philosophy of Science (355)
Philosophy of Science for Physical Sciences (VIC 173 Y)
Thought Experiments (Grad)
Reading courses

2014-15

Philosophy of Mathematics (346)
Philosophy of Physics (356)
Topics in Philosophy of Science (482)
Philosophy of Physics (with W. Seager) (Grad)
Reading courses

2015-16

Philosophy of Mathematics (346)
Philosophy of Physics (356)
Reading courses

2016-17

Philosophy of Mathematics (346)
Philosophy of Physics (356)
Reading courses

GRADUATE and POST DOCTORAL SUPERVISION, ETC.

M. Morrison, External examiner, Ph.D. Western Ont., July 1987

V. Schweitzer, scientific realism, Supervisor, Not completed

K. Peacock, Supervisor, "Peaceful Co-existence or Armed Truce?" (On the foundations of quantum mechanics), PhD September 1991

R. Keen, Advisor, observation in science, Not completed

R. Edwards (Faculty of Health Sciences), Advisor, medicine and public policy, PhD. December 1995.

M. Gardiner, “Dummett and Putnam on Semantic Anti-Realism” External examiner, PhD, McMaster, September 1994

M. Elsamahi External examiner, PhD, U. of Calgary, 1996

Barry Hodges (New Castle, Australia), External Examiner, “Retooling Popper”, PhD. February 1998

Josh Mozersky, Co-Supervisor, physics and language of time, PhD completed May 1999

Rebecca Fodden, Advisor, natural kinds, not completed.

Andres Krumins (IHPST), Advisor, History of Symmetry in Particle Physics, PhD January 1999

Ann Harland (UBC) “Grounding Thought Experiments” PhD External Examiner, November 1998

Philip Hoffmann (Calgary) PhD External Examiner, “Aspects of Independence and Determinacy in QM and Realism”, January 1999

Cameron Shelly (Waterloo) “Reasoning by Multiple Analogy” PhD External Examiner, April 1999

Dennis Lomas (OISE), Advisor, perception in mathematics. Defended PhD May 2000

Karyn Freedman, Supervisor, naturalism and epistemology. PhD defended October 2000.

Mary Leng, Co-supervisor with Ian Hacking, philosophy of mathematics. PhD defended November 2001.

Sean Allen-Hermanson, Advisor, cognitive science, PhD completed.

Francisco Gomez, Advisor, history of logic. PhD defended summer 2001

External examiner: Anoop Gupta, U of Ottawa, PhD defended April 2002

External examiner: Jessica Carter, University of South Denmark, November 2002

Christopher Green, Advisor, cognitive science. PhD completed March 2004

Daniel Schwartz (Political Science), Advisor, social science. PhD completed, 2005

Omar Nasim, Advisor, PhD completed November 2006

Sorin Bangu, Advisor, PhD completed, May 2006

Michael Ashooh, Advisor, “History of the Rational Reconstruction of Science,” Completed March 2007

Rodney Snooks, Advisor, not completed.

Erin Green, MA thesis, Advisor, Toronto School of Theology (Completed 2007)

External examiner: Mark Smith, “Mathematics, Meaning, and Commitment”, PhD, Queen’s University, March 27, 2009

External Examiner: Boris Grozdanoff, “Thought Experiments”, CEU, Budapest, July 2009

External Examiner: Luke V. Jerzykiewicz, “A Cognitive Approach to Benacerraf’s Dilemma”, UWO, October, 2009

Allen Olley, (IHPST), Advisor, completed PhD 2010

Boaz Millar (IHPST), Advisor, *A Social Theory of Knowledge*, Advisor, PhD completed November 2010

Brooke Abounader (IHPST), Supervisor, “Reconsidering Similarity in an Agent-Oriented Account of Scientific Modeling” Completed August 27, 2012

Hakob Barsyghian (IHPST), Advisor, “A Theory of Scientific Change” Completed September, 27, 2012

Alex Koo (IHPST), Supervisor “Mathematical Explanation in Science” Completed August 2014

Mike Stuart (IHPST), Advisor “Thought Experiments in Science” Completed March 2015

Curtis Forbes (IHPST), Supervisor “A Pragmatic Existentialist Approach to the Scientific Realism Debate” Defended May 29, 2017

Kevin Kuhl Co-supervisor, Withdrew from programme in 2017

Chris Dragos (IHPST) Advisor “A New Framework for Social and Collective Epistemology,” Defended June 26, 2018

Noah Stemeroff, Advisor, “Mathematics, Structuralism, and the Promise of Realism: A Study of the Ontological and Epistemological Implications of Mathematical Representation in the Physical Sciences,” PhD completed September 27, 2018.

Mark Shumelda, Supervisor

Geordie McComb, Supervisor

Gary Graham, Supervisor

Atoosa Kasirzadeh, Supervisor

Jennifer Whyte, HPS Pittsburgh, Advisor

POSTDOCTORAL and OTHER SUPERVISION

Soren Haggqvist, Swedish travelling fellowship, 1993-1994

Spas Spassov, SSHRC Post-doctoral Fellow, 1996-98

Glenn Parsons, SSHRC Post-doctoral Fellow, 2001-2003

Boris Grozdanoff, visiting fellowship from Central European University, Budapest, 2003-2004

Yiftach Fehige, SSHRC Research Grant Post-doctoral, 2006-07

Torsten Wilholt, Humboldt Fellow, 2008-2009

Harald Wiltsche, Post doc & Schrödinger Fellowship, Austria (2010-2013)

Keizo Matsubara, Uppsala, Sweden, (2011-2012)

Damián Islas, Mexico, (2012-13)

ADMINISTRATIVE POSITIONS AT UNIVERSITY OF TORONTO

Undergraduate Steering and Curriculum Committee, 1984-86, 1987-88, 2003-05

Speakers Committee (Chair (84-86) of logic and philosophy of science section)

Logic Programme (Chair 83-86)

Supervision of graduate students teaching logic courses 1980-90s

Organizer of the informal foundations of physics reading group, 1980s & 1990s

Supervision of a programme to computerize beginning logic courses 1980s

Member of Software Development Committee, Centre for Computing and the Humanities, 1986-88

Member of Faculty of Arts and Science Committee on Distance Education, 1987

Supervisor of Department of Philosophy's Speaker's Programme, 1987-90

Representative, logic and philosophy of science speaker's committee, 1987-88, 1992-93

Member of the Executive Council, I.H.P.S.T., 1987-89

Undergraduate Coordinator and Associate Chair, 1989-93

Member Committee on the Humanities (and the General Committee) 1992-94

Member Simon Lectures Committee, 1990-93, 94-98

Decanal Promotions Committee, 1993-95

Member Personnel Committee, 1994-96, 1996-98

Connaught Humanities Review Panel, 1997-2000 (Chair 1998-99)

Member Department of Philosophy Speaker's Programme, 1998-2002

SGS Div I, Executive Committee, 1998-2001

I.H.P.S.T Promotions committee, 2000-

Graduate Executive Committee, 2003-05

Philosophy Dept. Promotions committee, 2003-05

Graduate Coordinator and Associate Chair, 2005-07

Organizer: Philosophy of Science group (weekly "Pizza Seminar" in fall terms), 2005-2007, 2009, 2011, 2013

Promotion & Tenure Committee IHPST, 2011-

May Committee, IHPST (Distributes funds to various activities), 2011-

Coordinator for the Logic and Philosophy of Science speaker group 2010-

Graduate Executive Committee, 2011- 12

Promotion and tenure cases for Philosophy Department (several over the years)

OUTSIDE ADMINISTRATION

Co-Director: Philosophy of Science section of the Inter-University Centre for Postgraduate Studies, Dubrovnik (Annual conference organization and selection of articles to be published in *International Studies in the Philosophy of Science*) 1984 –

Secretary/Treasurer of The Canadian Society for the History and Philosophy of Science. 1986-92

PSA 1992 Program Committee (Philosophy of Science Association bi-annual meeting)

Co-Editor of the book series, *Toronto Studies in Philosophy*, published with University of Toronto Press, 1991-2001

Editor of the journal, *International Studies in the Philosophy of Science*, 1996-2001

Canadian Philosophical Association, Gender Equity Committee (Chair), 1996-98

Local organizer, CPA (Congress) 2002

External Appraiser for Philosophy graduate programme, Carleton University, February 2003.

Chair of History and Sociology of Science section, Logic, Methodology, and Philosophy of Science meeting, Ovideo, Spain, Aug. 2003.

Graduate admissions committee, 2003-06

Conference Organizing Committee “Thought Experiments Rethought”, Ghent, Belgium, September 2004

External Appraiser for Philosophy programmes, University of Saskatchewan, January 2004

Asian Dialogue Society (Steering committee. Aim of group is to improve understanding of science and society between West and Asia)

External Appraiser for Philosophy, Dalhousie University, January 2006

External Appraiser for graduate programme, University of Manitoba, April 2006

External Appraiser for Department of Philosophy, Ryerson University, January 2007

External Appraiser for Department of Philosophy, University of Alberta, March 2008

PUBLIC ACTIVITIES

Journalism: *London Free Press*, “Debate Between Science and Religion Requires Diplomacy”, Sept 14, 1999

TV: *Michael Coran Live*, Nov 1 and Dec 7, 1999, both on “Employment Equity in the University”

Public Debates: Numerous occasions, on issues such as: Does God Exist?, Equity & Affirmative Action, etc. (typically one or two each year)

“Science and Values,” public discussion following performance of *Copenhagen*, Toronto, February 8, 2004

Panel discussion on the social responsibility of scientists on “Sounds Like Canada”, CBC Radio, February 11, 2004

Interview on TORONTO-1 TV, on the topic of religious belief in contemporary society, April 8, 2004.

ROM Public Lecture Series, November 2004

Einstein Panel, *Quirks & Quarks*, CBC Radio, 2005

“Proofs and Pictures” Public Lecture at Perimeter Institute, often re-broadcast on “Celebrating Science”, Rogers Cable Network

CBC Radio Noon, “Same Sex Marriage”, February 2, 2005

TVO programme on Darwin and Religion, November 2005

More 2 Life, various topics, TVO, June 2006

The Agenda, Science & religion, TVO, March 2007

Several interviews with journalists: CBC Radio, CBC TV, *The Toronto Star*, *New York Times*, *Toronto Observer*, Global TV, CTV, etc.

Ideas Roadshow Interview: <http://www.ideasroadshow.com/issues/james-robert-brown-2013-04-12>

The Philosophers’ Zone Interview:

<http://www.abc.net.au/radionational/programs/philosopherszone/the-value-of-thought-experiments/9350106> (Push the second button "download now" to hear.) Jan. 2018

Interview with Curt Jaimungal “Thought experiments, the Continuum Hypothesis, and the reality

of mathematics” <https://www.youtube.com/watch?v=Nv7BQZy1A6o> (accessed September 27, 2020)