

ANJAN CHAKRAVARTTY CV April 2018

Department of Philosophy University of Notre Dame 100 Malloy Hall Notre Dame, IN 46556 USA

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ACADEMIC

EMPLOYMENT

2014-present Director, John J. Reilly Center for Science, Technology, and Values, University of Notre Dame

2011-present Professor, University of Notre Dame

2008-11 Director, Institute for History and Philosophy of Science and Technology, University of Toronto

2007-11 Associate Professor, University of Toronto

2002-07 Assistant Professor, University of Toronto

2000-02 Junior Research Fellow, King's College, University of Cambridge

1999-00 Teaching Fellow, School of Philosophy, University of Leeds

EDUCATION

2001 PhD University of Cambridge

1997 MPhil University of Cambridge

1995 MA University of Toronto

1991 BSc (Honors) University of Toronto

HONORS

2017 Elected to the Académie Internationale de Philosophie des Sciences

2017 Senior Visiting Fellow, School of Philosophy, Psychology and Language Sciences, University of Edinburgh

2016-17 Guggenheim Fellow, John Simon Guggenheim Memorial Foundation

2016-17 Senior Visiting Fellow, Center for Philosophy of Science, University of Pittsburgh

2016 Values-Driven Leadership Award, Benedictine University ('given to a scholar who has exemplified values-driven leadership throughout his or her career')

2015, 2013 Distinguished Visiting Scholar, Center for Values-Driven Leadership, Benedictine University

2010, 2008 Dean's Excellence Award, University of Toronto (for contributions to research and leadership in the field)

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| 2009 | Canadian Philosophical Association Biennial Book Prize (for <i>A Metaphysics for Scientific Realism: Knowing the Unobservable</i> , Cambridge University Press) |
| 2008 | Visiting Fellow, Centre for the Foundations of Science, University of Sydney |
| 2004 | Visiting Fellow, Center for Philosophy of Science, University of Pittsburgh |

GRANTS (SELECTED ≥ \$20K)

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| 2016-17 | \$50,000, John Simon Guggenheim Memorial Foundation Fellowship Grant |
| 2013-14 | \$20,000, Large Henkels Grant, Institute for Scholarship in the Liberal Arts, Notre Dame |
| 2010-13 | \$54,675, Social Sciences and Humanities Research Council of Canada Standard Research Grant |
| 2007-10 | \$28,175, Social Sciences and Humanities Research Council of Canada Standard Research Grant |
| 2004-07 | \$49,000, Social Sciences and Humanities Research Council of Canada Standard Research Grant |
| 1997-01 | \$65,000, Social Sciences and Humanities Research Council of Canada Doctoral Fellowship |
| 1997-00 | \$55,000, The Darwin Trust of Edinburgh Postgraduate Fellowship |

SERVICE (SELECTED)

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| 2016-present | Editorial Board, <i>Studies in Epistemology, Logic, Methodology, and Philosophy of Science</i> , Synthese Library book series |
| 2012-present | Editor in Chief, <i>Studies in History and Philosophy of Science</i> (previously Associate Editor, 2009-11; Consulting Editor, 2006-09) |
| 2007-present | Editorial Board, <i>New Directions in Philosophy of Science</i> , Palgrave Macmillan book series |
| 2014-17 | Governing Board, Philosophy of Science Association |
| 2007-11 | Associate Coordinator, Toronto Node, National Situating Science Cluster for the Humanist and Social Studies of Science |
| 2008-09 | SSHRC Standard Research Grant National Selection Committee, Philosophy |
| 2007-09 | Program Committee, Philosophy of Science Association |
| 2005-06 | Chair, Program Committee, Canadian Society for History and Philosophy of Science |
| 2004-07 | Executive Council and Advisory Board, Canadian Society for History and Philosophy of Science |

DOCTORAL STUDENTS

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|-------------|--|
| In progress | Corey Dethier: 'From Variance to Convergence: Robustness and Epistemology of Science' |
| In progress | Evan Claudeanos: 'The Epistemology of Data-Intensive Science: How Big Data is Changing Scientific Knowledge and its Acquisition' |

- 2017 Mousa Mohammadian: 'Theoretical Virtues in Science and Metaphysics'
- 2017 Curtis Forbes: 'A Pragmatic, Existentialist Approach to the Scientific Realism Debate'
- 2017 Xavi Lanao Camara: 'Lawless Possibilities: A Powers Account of Natural Modality'
- 2011 Isaac Record: 'Knowing Instruments: Design, Reliability, and Scientific Practice'
- 2010 Boaz Miller: 'A Social Theory of Knowledge'
- 2008 Kaveh Lajevardi: 'Against Modalities: On the Presumed Coherence and Alleged Indispensability of Some Modal Notions'

PUBLICATIONS

BOOKS & EDITED COLLECTIONS

4. *Scientific Ontology: Integrating Naturalized Metaphysics and Voluntarist Epistemology*, Oxford University Press (2017).
3. 'Ancient Skepticism, Voluntarism, and Science', *International Journal for the Study of Skepticism* (ed.) (2015).
2. 'Explanation, Inference, Testimony, and Truth: Essays Dedicated to the Memory of Peter Lipton', *Studies in History and Philosophy of Science* (ed.) (2010).
1. *A Metaphysics for Scientific Realism: Knowing the Unobservable*, Cambridge University Press (2007).

JOURNAL ARTICLES & BOOK CHAPTERS

38. 'Realist Representations of Particles: The Standard Model, Top-Down and Bottom-Up', in T. D. Lyons & P. Vickers (eds.), *Contemporary Scientific Realism and the Challenge from the History of Science*.
37. 'Physics, Metaphysics, Dispositions, and Symmetries – à la French' (forthcoming).
36. 'Feelings in Guts and Bones: Reply to Lewis, Magnus, and Strevens', *Metascience* (forthcoming).
35. 'Acerca de la Relación entre el Realismo Científico y la Metafísica Científica', in B. Borge & N. Gentile (eds.), *La ciencia y el mundo inobservable: Discusiones contemporáneas en torno al realismo científico*. Buenos Aires: Eudeba (forthcoming).
34. 'Truth and the Sciences', in M. Glanzberg (ed.), *The Oxford Handbook of Truth*, Oxford University Press (forthcoming 2018).
33. 'What is Scientific Realism?' (with Bas C. van Fraassen), *Spontaneous Generations: A Journal for the History and Philosophy of Science* (2018) 9: 12-25.

32. 'Realism, Antirealism, Epistemic Stances, and Voluntarism', in J. Saatsi (ed.), *The Routledge Handbook of Scientific Realism*, pp. 225-236 (2018), Routledge.
31. 'Inferência Metafísica e a Experiência do Observável', *Principia: An International Journal of Epistemology* (2017) 21: 189-207.
30. 'Reflections on New Thinking about Scientific Realism', *Synthese* (2017) 194: 3379-3392.
29. 'Saving the Scientific Phenomena: What Powers Can and Cannot Do', in J. D. Jacobs (ed.), *Putting Powers to Work*, pp. 24-37 (2017), Oxford University Press.
28. 'Scientific Realism' (version II: revised and updated), in E. N. Zalta (ed.), *The Stanford Encyclopedia of Philosophy* (2017), URL = <<http://plato.stanford.edu/entries/scientific-realism/>>.
27. 'Case Studies, Selective Realism, and Historical Evidence', in M. Massimi, J.-W. Romeijn, & G. Schurz (eds.), *EPSA15 Selected Papers*, pp. 13-23 (2017), Springer.
26. 'Particles, Causation, and the Metaphysics of Structure', *Synthese* (2017) 194: 2273-2289.
25. 'L'existence des lois: les pouvoirs causaux dans la nature', in B. Feltz, N. Frogneux, & St. Leyens (eds.), *La nature en éclats : Les défis d'un nouveau rapport la nature* (2015), Academia.
24. 'Suspension of Belief and Epistemologies of Science', *International Journal for the Study of Skepticism* 5 (2015): 168-192.
23. 'On the Prospects of Naturalized Metaphysics', in D. Ross, J. Ladyman, & H. Kincaid (eds.), *Scientific Metaphysics*, pp. 27-50 (2013), Oxford University Press.
22. 'Realism in the Desert and in the Jungle: Reply to French, Ghins, and Psillos', *Erkenntnis* 78 (2013): 39-58.
21. 'Dispositions for Scientific Realism', in R. Groff & J. Greco (eds.), *Powers and Capacities in Philosophy: The New Aristotelianism*, pp. 113-127 (2013), Routledge.
20. 'Selektywny sceptycyzm: realizm w stosunku do przedmiotów teoretycznych, realizm strukturalny, semirealizm', *Studia Philosophica Wratislaviensia* VII (2012): 163-191.
19. 'Ontological Priority: The Conceptual Basis of Non-Eliminative, Ontic Structural Realism', in E. M. Landry & D. P. Rickles (eds.), *Structural Realism: Structure, Object, and Causality*, pp. 187-206 (2012), Western Ontario Series in Philosophy of Science, Springer.
18. 'Scientific Realism and Ontological Relativity', *The Monist* 94 (2011): 157-180.
17. 'Scientific Realism', in E. N. Zalta (ed.), *The Stanford Encyclopedia of Philosophy* (2011), URL = <<http://plato.stanford.edu/entries/scientific-realism/>>.

16. 'A Puzzle about Voluntarism about Rational Epistemic Stances', *Synthese* (2011) 178: 37-48.
15. 'Perspectivism, Inconsistent Models, and Contrastive Explanation', *Studies in History and Philosophy of Science* (2010) 41: 405-412 (A4 column format).
14. 'Truth and Representation in Science: Two Inspirations from Art', in R. Frigg & M. C. Hunter (eds.) *Beyond Mimesis and Convention: Representation in Art and Science*, pp. 33-50 (2010), Boston Studies in the Philosophy of Science, Springer.
13. 'Metaphysics Between the Sciences and Philosophies of Science', in P. D. Magnus & J. Busch (eds.) *New Waves in Philosophy of Science*, pp. 59-77 (2010), Palgrave Macmillan.
12. 'Informational versus Functional Theories of Scientific Representation', *Synthese* (2009) 72: 197-213.
11. 'What You Don't Know Can't Hurt You: Realism and the Unconceived', *Philosophical Studies* (2008) 137: 149-158.
10. 'Inessential Aristotle: Powers without Essences', in R. Groff (ed.) *Revitalizing Causality: Realism about Causality in Philosophy and Social Science*, pp. 152-162 (2008), Routledge.
9. 'Six Degrees of Speculation: Metaphysics in Empirical Contexts', in B. Monton (ed.) *Images of Empiricism*, pp. 183-208 (2007), Oxford University Press.
8. 'Causal Realism: Events and Processes', *Erkenntnis* (2005) 63: 7-31.
7. 'Structuralism as a Form of Scientific Realism', *International Studies in the Philosophy of Science* (2004) 18: 151-171.
6. 'Stance Relativism: Empiricism versus Metaphysics', *Studies in History and Philosophy of Science* (2004) 35: 173-184.
5. 'The Structuralist Conception of Objects', *Philosophy of Science* (2003) 70: 867-878.
4. 'The Dispositional Essentialist View of Properties and Laws', *International Journal of Philosophical Studies* (2003) 11: 393-413.
3. 'The Semantic or Model-Theoretic View of Theories and Scientific Realism', *Synthese* (2001) 127: 325-345.
2. 'Semirealism', *Studies in History and Philosophy of Science* (1998) 29: 391-408.
1. 'The Effect of High pH and Crosslinking on the Filament Lattice of Vertebrate Striated Muscle' (with T. C. Irving, J. Dunning, and B. M. Millman), *Biophysical Journal* (1988) 53: 565a.

INTERVIEWS

7. 3:AM Magazine (with R. Marshall) (forthcoming).
6. 'Pursuing Truth with Anjan Chakravartty' (with Amy Couch), *The Humanist* (2018): <https://thehumanist.com/features/interviews/pursuing-truth-anjan-chakravartty>.
5. 'Episode 11' (with N. Zautra), *Sci-Phi: The Philosophy of Science Podcast* (2017): <http://www.sciphipod.com/podcast/2017/2/22/episode-11-anjan-chakravartty>.
4. 'Between Philosophy and Science' ('Pomiedy filozofia a nauka', with M. Kotowski), *Lectiones & Acroases Philosophicae (Spory o realism)* 7 (2014): 249-270.
3. 'Philosophy, Science, and Philosophy of Science' ('O filozofii, nauce i filozofii nauki z Anjanem Chakravarttym', with M. Kotowski), *Filozofia nauki i metodologia* (2013): <http://academic.pl/serwisy/filozofia-nauki-i-metodologia/aktualnosci/wywiady/o-filozofii-nauce-i-filozofii-nauki-z>.
2. 'Scientific Realism: Knowing the Unobservable' (with C. Nappi), *New Books Network* (2012): <http://newbooksnetwork.com/anjan-chakravartty-a-metaphysics-for-scientific-realism-knowing-the-unobservable-cambridge-up-2007>.
1. 'Scientific Realism: Interview with Anjan Chakravartty' (with B. Torchia), *Sophia* 14 (2011): <http://journals.uvic.ca/index.php/sophia/article/view/10716>.

REVIEWS

8. Review of S. Mumford & R. L. Anjum, *Getting Causes from Powers*, in *British Journal for the Philosophy of Science* 64 (2013): 895-899.
7. Review of B. Ellis, *The Metaphysics of Scientific Realism*, in *Notre Dame Philosophical Reviews* (2010): <http://ndpr.nd.edu/review.cfm?id=20347>.
6. Review of A. Bird, *Nature's Metaphysics: Laws and Properties*, in *Metascience* 18 (2009): 75-79.
5. Review of I. Niiniluoto, *Critical Scientific Realism*, in *Philosophy and Phenomenological Research* 69 (2005): 227-230.
4. Review of E. Agazzi & M. Pauri (eds.), *The Reality of the Unobservable: Observability, Unobservability and Their Impact on the Issue of Scientific Realism*, in *British Journal for the Philosophy of Science* 54 (2003): 359-363.
3. Review of N. Cartwright, *The Dappled World: A Study in the Boundaries of Science*, in *Philosophy and Phenomenological Research* 66 (2003): 244-247.
2. Review of C. Norris, *Quantum Theory and the Flight From Realism: Philosophical Responses to Quantum Mechanics*, in *Metascience* 10 (2001): 483-487.
1. Review of N. Maxwell, *The Comprehensibility of the Universe: A New Conception of Science*, in *Times Higher Education Supplement* 1999: 24 September.

PRESENTATIONS

INVITED & KEYNOTE LECTURES

150. 'Scientific Disagreement: Interpretive Pluralism Versus Anything Goes', Philosophy Colloquium, Northern Illinois University, 04/2018.
149. 'Reasoned Scientific Disagreement and Permissive Rationality', Keynote Lecture, Indiana University, Bloomington HPSC Graduate Conference, 03/2018.
148. 'Scientific Disagreement: Rationality and Uniqueness', Philosophy Colloquium, University of Waterloo, 01/2018.
147. 'Disagreements about Scientific Disagreement', HPS Colloquium, Notre Dame, 10/2017.
146. 'Belief and the Rationality of Scientific Disagreement', Philosophy Colloquium, Simon Fraser University, 10/2017.
145. 'Empiricism, Structuralism, and Realism: The Future of the Debate', XVIII Jornadas Rolando Chuaqui Kettlun Roundtable, Valparaíso, 08/2017.
144. 'Scientific Disagreement, Belief, and Permissive Rationality', XVIII Jornadas Rolando Chuaqui Kettlun, Valparaíso, 08/2017.
143. 'Metaphysics and the Observable in Science (and Beyond)', Chilean Society for the Philosophy of Science, Santiago, 08/2017.
142. 'The Limits of the Metaphysics of Science II: The Bedrock of Physics', Departamento de Filosofía, Universidad de Chile, 08/2017.
141. 'The Limits of the Metaphysics of Science I: Modality in the World', Departamento de Filosofía, Universidad de Chile, 08/2017.
140. 'Metaphysical Inference and Experiencing the Unobservable', X Principia International Symposium: The Construction of Experience, Florianópolis, 08/2017.
139. 'Scientific Evidence and the Uniqueness Thesis', Disagreement in Science and Beyond Conference, University College Dublin, 07/2017.
138. 'Interpretations of Science and the Spectrum of Metaphysical Inference', Science, Metaphysics, and Skepticism Conference, University of Bonn, 07/2017.
137. 'Powerful Science: Realism, Unification, and Modeling', Aristotle Resurgent: Exploring Neo-Aristotelian Approaches to Ethics, Metaphysics, and Philosophy of Science Conference, University of Pittsburgh, 05/2017.
136. 'Scientific Knowledge Under Pluralism: An Introduction', Scientific Pluralism Conference, University of Pittsburgh, 03/2017.
135. 'Atheism, Science, and Religion: Grappling with Contradictions', University of Miami, 03/2017.

134. 'Incompatible Models and Scientific Realism', University of California, Irvine Logic and Philosophy of Science Colloquium, 02/2017.
133. 'Pluralism (but not Perspectivism) about Scientific Models', Auburn University Philosophical Society, 02/2017.
132. 'Eliminative Structuralism and the Metaphysics of Properties', Eastern Division meeting of the American Philosophical Association, Baltimore, 01/2017.
131. 'Realism about Mutually Inconsistent Models', University of Florida Philosophy Colloquium, Gainesville, 12/2016.
130. 'Realist Pragmatism: Top-Down and Bottom-Up Approaches to Particles', University of Pittsburgh Center for Philosophy of Science Colloquium, 11/2016.
129. 'Perspectivism, Pluralism, and Realism about Scientific Models', University of Virginia Philosophy Colloquium, Charlottesville, 10/2016.
128. 'Perspectivism in Science: The Good, the Bad, and the Ugly', Perspectival Modeling: Pluralism and Integration Workshop, University of Edinburgh, 07/2016.
127. 'Realist Interpretations of the Standard Model', Keynote Lecture, Models and Simulations VII Conference, University of Barcelona, 05/2016.
126. 'A Trilemma for Scientific Perspectivism', National University of Distance Education (UNED) Philosophy Colloquium, Madrid, 05/2016.
125. 'A Case for Realism: Particles, Properties, and Symmetries', The History of Science and Contemporary Scientific Realism Conference', Indiana University-Purdue University, Indianapolis, 02/2016.
124. 'Antidotes to Scientific Perspectivism', HPS Lunchtime Lecture, University of Notre Dame, 02/2016.
123. 'What is an Epistemic Stance? Scientific Realism and Voluntarism', Tata Institute of Social Sciences, Mumbai, 12/2015.
122. 'Pragmatism about the Metaphysics of Science', Metaphysics of Science Summer School, Helsinki, 07/2015.
121. 'Voluntarism about the Metaphysics of Science', Metaphysics of Science Summer School, Helsinki, 07/2015.
120. 'Fundamental Entities and the Ontology of Properties', Keynote Lecture, Philosophers' Rally, Lublin, 07/2015.
119. 'Values-Driven Leadership and the Philosophy of Science', Center for Values-Driven Leadership, Benedictine University, 06/2015.
118. 'Property Ontology in Fundamental Physics', Philosophy of Science Workshop, Bergen, 06/2015.
117. 'Symmetries, Dispositions, and Explanation', Workshop on Dispositions in Science, Rome, 04/2015.
116. 'French on Physics, Metaphysics, Dispositions, and Symmetries', Pacific Division meeting of the American Philosophical Association, Vancouver, 04/2015.

115. 'Subatomic Particles: A Case Study in the Metaphysics of Science', Florida State University Philosophy Colloquium, 02/2015.
114. 'Physics, Structures, and Realism', XI International Ontology Congress, San Sebastián, 10/2014.
113. 'The Realist Stance', CamPoS, University of Cambridge, 10/2014.
112. 'Fundamental Particles and (Potentially Powerful) Structures: A Proposal for Realist Pragmatism', Power Structures in Ancient Ontologies, University of Oxford, 10/2014.
111. 'Structures, (Causation,) and the Metaphysics of Physics', Northern Illinois University Philosophy Colloquium, 09/2014.
110. 'How to be a Realist and Yet a Pragmatist about Subatomic Ontology', University of Pretoria Philosophy Colloquium, 08/2014.
109. 'Selective Realism and Historical Evidence', University of Johannesburg Philosophy Colloquium, 08/2014.
108. 'Stance Realism', Keynote Lecture, New Thinking About Scientific Realism Conference, Cape Town, 08/2014.
107. 'Pluralist Structuralism: Squaring Realism with Pragmatism about the Metaphysics of Structure', Keynote Lecture, Testing Structural Realism Conference, Case Western University, 06/2014.
106. 'Realism, Pragmatism, and the Metaphysics of Structure', Annual Philosophy of Physics Conference: 'Metaphysics Within and Without Physics', University of Western Ontario, 06/2014.
105. 'Particles, Causation, and Pluralism about the Metaphysics of Structure', Keynote Lecture, University of California, San Diego Graduate Philosophy Conference, 05/2014.
104. 'Voluntary Commitments and the Epistemology of Science', University of California, San Diego Philosophy Colloquium, 05/2014.
103. 'Scientific Realism as a Voluntaristic Commitment', Science – the Real Thing? Conference, Lingnan University, 05/2014.
102. 'Values-Driven Leadership and the Philosophy of Science', Center for Values-Driven Leadership, Benedictine University, 06/2013.
101. 'Metaphysical Inference and the Demand for Explanation', Metaphysical Virtues Conference, Western Michigan University, 03/2013.
100. 'The Necessity and Inefficacy of Historical Cases for Scientific (Anti-)Realism', Indiana University Bloomington HPS Colloquium, 02/2013.
99. 'Voluntarism and Skepticism Regarding Scientific Knowledge', University of Minnesota Joint Philosophy & HPS Colloquium, 02/2013.
98. 'Lawlike Kinds and Pluralistic Order', Law and Order Conference, University of California, San Diego, 02/2013.
97. 'Inferring Dispositions from Scientific Practice', Projet Métaphysique des Sciences, IHPST, University of Paris I, 01/2013.

96. 'Levels of Scientific Ontology, Belief, and Explanation', IHPST Séminaire Général, University of Paris I, 01/2013.
95. 'Voluntarism about Realism and Antirealism', Keynote Lecture, Virginia Tech Graduate Philosophy of Science Conference, 11/2012.
94. 'Ontological Pluralism: The Case of Ontic Structural Realism', Workshop on 'Metaphysics of Science: Objects, Relations, and Structures', University of Lausanne, 10/2012.
93. 'Case Studies and Scientific Realism', Peking University Philosophy Colloquium, 09/2012.
92. 'Realism in Light of Scientific Practice', Renmin University Philosophy Colloquium, 09/2012.
91. 'Cases as Bases for the Epistemology of Science', International Conference on Scientific Explanation and Methodology of Science, Shanxi University, 09/2012.
90. 'Three Arguments for the Historical Robustness of (Anti-)Realism', Workshop on 'Scientific Realism in Light of the History of Science', Durham University, 09/2012.
89. 'Social and Asocial Epistemologies of Science', Orange Beach Epistemology Workshop on 'Social Epistemology', 05/2012.
88. 'Suspension of Belief and Epistemologies of Science', Workshop on 'Ancient Skepticism, Voluntarism, and Science', University of Notre Dame, 05/2012.
87. 'How Realists Can Make Worlds', PhiloSTEM, Indiana University-Purdue University Fort Wayne, 04/2012.
86. 'Worldmaking and Ontology', University of British Columbia Philosophy 'Spring Colloquia', 03/2012.
85. 'Scientific Realism, Ontology, and Context', University of Barcelona LOGOS Colloquium, 01/2012.
84. 'Scientific Contextualism and Reference', VU University Amsterdam Philosophy Colloquium, 01/2012.
83. 'Classification and Perspective', Workshop on Perspectivalism, Ghent University, 01/2012.
82. 'Scientific and Scientistic Arguments for an Ontology of Dispositions', SUNY Buffalo Philosophy Colloquium, 11/2011.
81. 'Dispositional Realism and Scientific Practice', University of Alberta Philosophy Colloquium, 09/2011.
80. 'On the Prospects of Naturalized Metaphysics', Metaphysics and the Philosophy of Science Conference, Toronto, 05/2011.
79. 'Saving the Scientific Phenomena: What Powers Can and Cannot Do', Workshop on 'Putting Powers to Work', St. Louis University, 04/2011.
78. 'Idealization versus Supposition: Reply to Sorensen', Pacific Division meeting of the American Philosophical Association, San Diego, 04/2011.
77. 'Naturalized Metaphysics and the *A Priori*', Annual Philosophy of Science Conference, Dubrovnik, 04/2011.
76. 'Science, Metaphysics, and the *A Priori*', University of Cologne Philosophy Colloquium, 04/2011.

75. 'Dispositional Realism: Arguments from the Sciences', University of Cologne Philosophy Colloquium, 04/2011.
74. 'What Would it Mean for Laws to Exist?: Causal Powers in Nature', La Nature en Éclats Conference, Université Catholique de Louvain, 04/2011.
73. 'Three Kinds of Pluralism About Scientific Ontology', University of Notre Dame Philosophy Colloquium, South Bend, 01/2011.
72. 'Dispositional Realism as a Component of Scientific and Structural Realism', Eastern Division meeting of the American Philosophical Association, Boston, 12/2010.
71. 'What Kinds of Things Are There?', Philosophy Course Union Lecture, University of Toronto, 11/2010.
70. 'The Contingencies of Scientific Taxonomy', HPS Workshop, University of Toronto, 10/2010.
69. 'Architecture in Combination with Representation', Halcrow Yolles Lecture Series, Toronto, 04/2010.
68. 'Distinguishing Empirical Science from Metaphysics', Bay Area Philosophy of Science Group, San Francisco, 02/2010.
67. 'On the Possibility of Naturalized Metaphysics', University of Victoria Philosophy Colloquium, 02/2010.
66. 'Scientific Knowledge and the *A Priori*', McMaster Philosophy Department Visiting Speaker Series, 11/2009.
65. 'The Skeptic's Revenge: Voluntarism and Epistemic Stances', Universidad Autónoma Metropolitana, Mexico City, 07/2009.
64. 'Scientific Realism and the Challenge of Perspectivism', Universidad Autónoma Metropolitana, Mexico City, 07/2009.
63. 'Skepticism about Metaphysics in the Context of the Sciences', Universidad Autónoma Metropolitana, Mexico City, 07/2009.
62. 'Subatomic Ontology and Structural Realism', Annual Philosophy of Science, Dubrovnik, 04/2009.
61. 'Relational Identity in Physics', Concordia University Philosophy Colloquium, 03/2009.
60. 'Selective Skepticism and Unconceived Alternatives', University of Waterloo Weinstein seminar, 02/2009.
59. 'There is No Aim of Science', Institute for the History and Philosophy of Science and Technology Colloquium, University of Toronto, 09/2008.
58. 'Model Truths: Perspective and Aspect', Idealization, Abstraction, and Scientific Models Workshop, UAM-I and UNAM, Mexico City, 07/2008.
57. 'Epistemic Objectivity or Bust: Comments on Rouse', Reclaiming the World: The Future of Objectivity Conference, Toronto, 05/2008.
56. 'Metaphysical Austerity and Profligacy in the Interpretation of Scientific Knowledge', University of Melbourne Philosophy Colloquium, 04/2008.
55. 'Structural Realism and Ontological Dependence', Australian National University Philosophy Seminar, Canberra, 04/2008.

54. 'Understanding the Truth of Scientific Representations', National University of Singapore, Science, Technology, and Society Lecture, 04/2008.
53. 'On the Relationship between Science and Metaphysics', Macquarie University Philosophy Seminar, Sydney, 04/2008.
52. 'Ontological Priority as a Basis for Non-Eliminative Structural Realism', University of Auckland Philosophy Department Seminar, 04/2008.
51. 'The Aims of Science', University of Waikato Philosophy Department Seminar, Hamilton, 04/2008.
50. 'Metaphysics between the Sciences and Philosophies of Science', University of Otago Philosophy Seminar, Dunedin, 04/2008.
49. 'On the Relationship between Science and Metaphysics', University of Canterbury Philosophy Research Seminar, Christchurch, 03/2008.
48. 'Ontological Priority as a Basis for Non-Eliminative Structural Realism', University of Canterbury HPS Program Lecture, Christchurch 03/2008.
47. 'A Dilemma for Ontic Structuralism', University of Sydney Philosophy Current Projects Seminar, 03/2008.
46. 'Ontological Priority: Structural Properties and Structural Realism', University of Miami Philosophy Department Colloquium, 11/2007.
45. 'Representing the Content of Scientific Representations', University of Notre Dame History and Philosophy of Science Colloquium, South Bend, 11/2007.
44. 'Truth in the Context of Idealization', Workshop on Idealization in Science, Tilburg Center for Logic and Philosophy of Science, 10/2007.
43. 'On the Many Epistemic Statuses of Scientific Representation', University of Hyderabad Lecture Series, 10/2007.
42. 'On the Prospect of an Analysis of Scientific Representation', University of Hyderabad Lecture Series, 10/2007.
41. 'Epistemic Stances and the Will to Believe', Carleton University Philosophy Department Colloquium, Ottawa, 09/2007.
40. 'Can Objects with only Extrinsic Properties be Causally Efficacious?', Workshop on Structure, Objects, and Causality, Banff, 08/2007.
39. 'A Puzzle about Voluntarism about Rational Epistemic Stances', Fifth Principia International Symposium, Florianópolis, 08/2007.
38. 'Functional Theories of Scientific Representation', Logos Workshop on *Models: Semantics and Ontology*, Barcelona, 07/2007.
37. 'Ontology and Explanation in Realism about the Unobservable', Philosophy of Science Research Group Seminar, University of Western Ontario, 04/2007.
36. 'What You Don't Know Can't Hurt You: Realism and the Unconceived', Pacific Division meeting of the American Philosophical Association, San Francisco, 04/2007.

35. 'Some Approximate Truths about Approximate Truth', The Brownbag Research Seminar, York University, 02/2007.
34. 'On Essences and Inductions Concerning Scientific Kinds', Rice University Philosophy Department Colloquium, 01/2007.
33. 'Approximate Truth in Science: Analogies from Art', Swiss Federal Institute of Technology, Zurich, and the University of Zurich Philosophy Department Colloquium, 06/2006.
32. 'Where's the Real in Sellar's Realism?: Reply to Brown', Canadian Philosophical Association Annual Conference, Toronto, 05/2006.
31. 'Realist Explanations of the Successes and Failures of Science – Comments on Wray', Pacific Division meeting of the American Philosophical Association, Portland, 03/2006.
30. 'How Much Science Should We Believe?', Cotton College Philosophy Department, Guwahati, 12/2005.
29. 'On the Prospects for Realism Concerning Scientific Knowledge', Jadavpur University Philosophy Department, Kolkata (Calcutta), 12/2005.
28. 'Putative Connections Between Essences and Inductions', University of South Carolina Philosophy Department Colloquium, 10/2005.
27. 'On the Rejection of Speculative Metaphysics by Stance Empiricism', University of Waterloo Philosophy Department Colloquium, 11/2004.
26. 'Why the New Essentialism is Too Much Like the Old Essentialism About Natural Kinds', Queen's University Philosophy Department Colloquium, 11/2004.
25. 'How and How Not To Be a Structural Realist', Princeton University van Fraassen seminar, 09/2004.
24. 'Selective Skepticism and Structural Realism', Center for Philosophy of Science, University of Pittsburgh, 09/2004.
23. 'Do Sciences Tell the Truth?', Bhaktivedanta Institute, Mumbai, 04/2004.
22. 'Scientific Kinds and the New Essentialism', Centre for the Philosophy of the Natural and Social Sciences, London School of Economics, 04/2004.
21. 'The New Essentialism on Laws of Nature', Annual Philosophy of Science, Dubrovnik, 04/2004.
20. 'Empiricism versus Metaphysics in the Epistemology of Science', Department of Philosophy, University of Lethbridge, 11/2003.
19. 'Necessary Connections and Causal Processes', University of Calgary Philosophy Department Colloquium, 11/2003.
18. 'How To Be a Scientific Realist', Institute for the History and Philosophy of Science and Technology Colloquium, University of Toronto, 09/2003.
17. 'Empiricism and Metaphysics in the Philosophy of Science', Annual Philosophy of Science Conference, Dubrovnik, 04/2003.

16. 'Do Sciences Tell the Truth?', Humanities at Noon, University of Toronto at Mississauga, 03/2003.
15. 'The Road Between Entity and Structural Realism', University of Western Ontario Philosophy Department Colloquium, 02/2003.
14. "'Structural" Properties and Scientific Realism', School of Philosophy, University of Leeds, 01/2003.
13. 'Structural Realism and Object Ontology', London School of Economics Structural Realism and Newman's Problem Conference, 03/2002.
12. 'Semirealism', The Sigma Club, London, 10/2001.
11. 'The Dispositional Essentialist View of Properties and Laws', University of Nottingham Philosophy Department Seminar, 10/2001.
10. 'What Structural Realism Can and Cannot Be', Moral Sciences Club, University of Cambridge, 11/2000.
9. 'What is an Object?', Cambridge University Postgraduate Philosophy Conference, 05/2000.
8. 'Kinds, Laws, and Explanation', Annual Philosophy of Science Conference, Dubrovnik, 04/2000.
7. 'Relativism for the Realist: Kinds of Natural Kinds', Department of Philosophy, University of Toronto, 02/2000.
6. 'Kinds of Natural Kinds', Leeds University History and Philosophy of Science Division Seminar, 11/1999.
5. 'Relativism for the Realist', Cambridge University History and Philosophy of Science Department Seminar, 10/1999.
4. 'Why the Semantic or Model-Theoretic Approach to Theories Doesn't Help the Realist After All', Cambridge University Postgraduate Philosophy Conference, 05/1999.
3. 'Do Scientific Theories Tell Us the Truth About the Natural World?', Darwin Trust Symposium in Molecular Biology, Edinburgh, 11/1998.
2. 'The Modal Status of Causal Laws', Cambridge University Postgraduate Philosophy Conference, 05/1998.
1. 'Correlations, Causation, and Robustness in Non-Locality', University of Cambridge Philosophy of Physics Group, 01/1997.

REFEREED CONFERENCE & WORKSHOP TALKS

51. 'The Many Faces of Pluralism', Canadian Society for the History and Philosophy of Science Annual Conference, Toronto, 05/2017.
50. 'Realist Representations of Particles: Causal vs. Formal', Pittsburgh Center for Philosophy of Science Fellows Conference', Lund University, 07/2016.
49. 'Case Studies and Selective Realism', European Society for the Philosophy of Science Biennial Conference, Düsseldorf, 09/2015.
48. 'Symmetry Principles and Dispositional Explanation', Canadian Society for the History and Philosophy of Science Annual Conference, Ottawa, 05/2015.

47. 'A Case Study of Case Studies: Scientific Realism and Integrated HPS', &HPS Conference, University of Vienna, 06/2014.
46. 'Causal Structure', Eastern Division meeting of the American Philosophical Association, Atlanta, 12/2012.
45. 'Perspectival Frameworks for Scientific Taxonomy', Central Division meeting of the American Philosophical Association, Chicago, 02/2012.
44. 'Realism about Scientific Taxonomy', European Philosophy of Science Association Biennial Conference, Athens, 10/2011.
43. 'Pluralistic Ontologies for Scientific Realism', Congress of Logic, Methodology, and Philosophy of Science, Nancy, 07/2011.
42. 'Ontological Relativity as Indispensable Metaphysics of Science', Pacific Division meeting of the American Philosophical Association, San Diego, 04/2011.
41. 'On a Proposal for Unity Concerning Science and Metaphysics', Eastern Division meeting of the American Philosophical Association, Boston, 12/2010.
40. 'Causal Powers in Scientific Explanation', British Society for the Philosophy of Science Annual Conference, Dublin, 07/2010.
39. 'Positing Powers', Canadian Society for the History and Philosophy of Science Annual Conference, Montreal, 05/2010.
38. 'Fear of Metaphysics', British Society for the Philosophy of Science Annual Conference Plenary Lecture, Norwich, 07/2009.
37. 'Theoretical Models and Contrastive Explanation', Canadian Philosophical Association Annual Conference, Ottawa, 05/2009.
36. 'Fundamental Physical Entities and their Properties', Canadian Society for the History and Philosophy of Science Annual Conference, Ottawa, 05/2009.
35. 'Perspectivism and Inconsistent Models', Models and Simulations III Conference, University of Virginia, 03/2009.
34. 'Perspectival Knowledge Through Scientific Modelling', Canadian Society for Epistemology Annual Conference, Ottawa, 11/2008.
33. 'Metaphysics between the Sciences and Philosophies of Science', European Congress of Analytic Philosophy, Krakow, 08/2008.
32. 'Two Contemporary Approaches to Understanding the Nature of Scientific Inquiry', British Society for the Philosophy of Science Annual Conference, St. Andrews, 07/2008.
31. 'A Dilemma for Ontic Structuralism', Canadian Philosophical Association Annual Conference, Vancouver, 06/2008.
30. 'Scientific Speculations about the Unobservable', Canadian Society for the History and Philosophy of Science Annual Conference, Vancouver, 06/2008.

29. 'What Makes a Model a Scientific Representation?', Models and Simulations II Conference, Tilburg Center for Logic and Philosophy of Science, 10/2007.
28. 'Scientific Representation: Information versus Inference', British Society for the Philosophy of Science Annual Conference, Bristol, 07/2007.
27. 'How Not to Make Progress in Debates Concerning Scientific Realism', Canadian Philosophical Association Annual Conference, Saskatchewan, 05/2007.
26. 'Information and Inference in Scientific Modeling', Canadian Society for the History and Philosophy of Science Annual Conference, Saskatchewan, 05/2007.
25. 'Metaphysical Speculation and Empiricist Philosophy of Science', Metafisica Conference, Rome, 07/2006.
24. 'Varieties of Truth in Artistic and Scientific Representation', Beyond Mimesis and Nominalism Conference (London School of Economics and the Courtauld Institute), London, 06/2006.
23. 'Conventionalism about the Nature of Scientific Theories', Biennial Mexican National Congress of Philosophy, Morelia, 11/2005.
22. 'Representing and Describing', European Congress of Analytic Philosophy, Lisbon, 08/2005.
21. 'The Semantic View of Theories Redux', British Society for the Philosophy of Science Annual Conference, Manchester, 07/2005.
20. 'Linguistic and Non-Linguistic Representation in the Sciences', Canadian Society for the History and Philosophy of Science Annual Conference, London, 05/2005.
19. 'Scientific Kinds and the New Essentialism', Pacific Division meeting of the American Philosophical Association, San Francisco, 03/2005.
18. 'The New Essentialism on Kinds and Laws', British Society for the Philosophy of Science Annual Conference, Canterbury, 07/2004.
17. 'Metaphysics, Epistemology, and Stance Relativism', Canadian Society for the History and Philosophy of Science Annual Conference, Winnipeg, 05/2004.
16. 'Stance Relativism', Pacific Division meeting of the American Philosophical Association, Pasadena, 03/2004.
15. 'Realism, Selective Skepticism, and "Structural" Properties', Biennial Mexican National Congress of Philosophy, Guadalajara, 11/2003.
14. 'Russell's Causal Republicanism', British Society for the Philosophy of Science Annual Conference, Belfast, 07/2003.
13. 'Causal Properties and Dispositional Essentialism', Canadian Philosophical Association Annual Conference, Halifax, 05/2003.
12. 'Causal Realism, Events, and Processes', Canadian Society for the History and Philosophy of Science Annual Conference, Halifax, 05/2003.
11. 'The Structuralist Conception of Objects', Philosophy of Science Association Biannual Conference, Milwaukee, 11/2002.

10. 'Abstraction, Idealization, and Approximate Truth', British Society for the Philosophy of Science Annual Conference, Glasgow, 07/2002.
9. 'The Structuralist Conception of Objects', Canadian Society for the History and Philosophy of Science Annual Conference, Toronto, 05/2002.
8. 'Scientific Realism and Kinds for Laws', Canadian Philosophical Association Annual Conference, Toronto, 05/2002.
7. 'The Dispositional Essentialist View of Properties and Laws', Australasian Association of Philosophy (NZ) Annual Conference, Auckland, 12/2001.
6. 'The Concept of Structure in Scientific Realism', Philosophical Society of Southern Africa Annual Conference, Durban, 01/2001.
5. 'Causal Properties, Dispositions, and Ontic Structuralism', Annual Conference of the Graduate Centre, City University of New York, 11/2000.
4. 'On the Notion of Cause Revisited', Joint Session of the Aristotelian Society and Mind Association, Nottingham, 07/1999.
3. 'The Semantic View of Theories and Scientific Realism', British Society for the Philosophy of Science Annual Conference, Nottingham, 07/1999.
2. 'Is the Very Notion of Causation Incoherent?', National Postgraduate Analytic Philosophy Conference, Sheffield, 06/1999.
1. 'Causal Properties and Laws of Nature', National Postgraduate Analytic Philosophy Conference, Sheffield, 06/1998.

REFEREEING

JOURNALS & PRESSES

Australasian Journal of Philosophy
British Journal for the Philosophy of Science
Canadian Journal of Philosophy
Dialectica
Dialogue
Erkenntnis
Foundations of Science
International Studies in the Philosophy of Science
Internet Encyclopedia of Philosophy
Mind
The Monist
Oxford University Press
Palgrave Macmillan
Philosophical Quarterly
Philosophical Studies
Philosophy of Science
Routledge
Southern Journal of Philosophy

Studies in History and Philosophy of Modern Physics

Studies in History and Philosophy of Science

Synthese

Theoria

Topics in Contemporary Philosophy

COUNCILS, FOUNDATIONS, AND SOCIETIES

American Philosophical Association

Canadian Philosophical Association

Canadian Society for the History and Philosophy of Science

Dutch Organization for Scientific Research

Estonian Research Council

Hadden Award in the History and Philosophy of Science

John Templeton Foundation

National Science Foundation

Notre Dame Institute for Advanced Study

Polish National Science Centre (Narodowe Centrum Nauki)

Social Sciences and Humanities Research Council of Canada

South African National Research Foundation

Swiss National Science Foundation