

May 24

CANADIAN SOCIETY FOR THE HISTORY AND PHILOSOPHY OF SCIENCE PROGRAMME, BROCK UNIVERSITY, MAY 24-26 2014

Time	Lowenberger Residence 134	Lowenberger Residence 201	Lowenberger Residence 209
8:45-10:45	<p>Remaking The Past: History in 3D <i>3D Methods in HPS and STS</i> I. Record, University of Toronto <i>Recreating the Chambers' Micromanipulator</i> E. Weidenhammer, University of Toronto <i>Camera Obscura</i> D. Southwick, University of Toronto <i>Mesopotamian CN Tower</i> G. Resch, University of Toronto Chair: D. Orenstein, University of Toronto</p>	<p>Epistemology <i>A Hybrid Theory of Evidence</i> J. Michaud, University of Waterloo <i>Contraction and the loss of true belief</i> T. Shear, University of California Davis & K. Genin, Carnegie Mellon University <i>Rational Rabbis? Menachem Fisch's Neo-Hegelian Integration of Science and Religion</i> Y. Fehige, University of Toronto <i>Inverse Strategies for Measurement</i> Greg Lusk, University of Toronto Chair: F. Banville, University of Western Ontario</p>	<p>Scientific Concepts <i>Concrete arguments against abstraction</i> D. Struck, University of Guelph <i>Synchronic Vs. Diachronic Emergence: A Reappraisal</i> O. Sartenaer, Columbia University <i>Hempel on Psychiatric Taxonomy</i> J. Tsou, Iowa State University <i>Methodological assumptions in the psychology of concepts</i> G. Beaulac, University of Western Ontario Chair: M. Frappier, University of King's College</p>
10:45-11:00	Coffee	Coffee	Coffee
11:00-12:30	<p>Geography & Imperialism <i>Niagara Falls: The Early Toronto-Based International Scientific Excursions</i> D. Orenstein, University of Toronto <i>Réseaux de contacts et mécanismes d'appropriation des curiosités d'histoire naturelle.</i> M. Lemonnier, Université de Québec A Montréal <i>Matthias Castrén and the Russian colonial science project</i> D. Mordvinov, University of British Columbia Chair: I. Record, University of Toronto</p>	<p>Science and Policy Issues <i>Social Inquiry and Social Inquiry for Social Reconstruction in the post-1960s U.S</i> M. Solovey, University of Toronto <i>Historical perspectives on Canadian science policy and the rise of biotechnology</i> R. Moore, University of Toronto <i>Experts, Publics, and Lively Energy Projects</i> S. Cornwell, York University Chair: J. Hull, University of British Columbia</p>	<p>Modern Physics <i>(Quantum) Imaginary Experiments: Popper and Hermann on the Microscope</i> M. Frappier, University of King's College <i>Planck's Constant: Another Slat in the Bridge to Quantum Physics</i> E. Franke, MacEwan <i>Ontological dialogues within Paul Dirac's international correspondence network</i> A. Wright, University of Toronto Chair: Cory Sawkins, University of Guelph</p>
12:30-13:30	Lunch	Lunch	Lunch

Time	Lowenberger Residence 134	Lowenberger Residence 201	Lowenberger Residence 209
13:30-15:00	<p>Science and Film Session <i>Activating Publics in the Co-production of Science: Psychology's Micromotion Films</i> A. R. Belliveau, York University <i>"Why should we care about these ferrets?": Wildlife Filmmakers on Production, Science, and Storytelling</i> E. Louson, York University <i>Telling Digital Stories about the Past</i> M. Charenko University of Wisconsin, Madison. Organizer: E. Louson, York University</p>	<p>(Re-)Placing Science And Technology <i>Science and Technology</i> I. Slater, York University <i>Science and Technology: Eloping After A Long Courtship</i> J. Hull, University of British Columbia <i>How Should We Collect Science and Technology In 2014?</i> D. Pantalony, Canadian Museum of Science and Technology Organizer: J. Hull, University of British Columbia</p>	<p>Explanation and Representation <i>Three sources of normativity in scientific explanation.</i> T Murphy, Washington University in St. Louis <i>Explanations in the Principle Interpretation of the Special Theory of Relativity</i> Cory Sawkins, University of Guelph Scientific Representation: The problem of communicability F. Banville, University of Western Ontario Chair: T. Shear, University of California Davis</p>
15:00-15:15	Coffee		
15:15-17:15	<p>Technologies <i>Expertise and the Artificial Tympanum Controversy</i> J. Viridi-Dhesi, University of Toronto <i>Mathematical Values and Impersonal Bureaucracies in the Early American Republic</i> T.P. Thornton, SUNY Buffalo <i>The shared material culture of Wedgwood and Priestley's laboratories, 1780---1795</i> K. Schranz, University of Toronto <i>The Chemists' War</i> A. Ede, University of Alberta Chair: I. Slater, York University</p>	<p>Teaching & Communicating Science and History of Science <i>Publishing Britain's scientific sphere: Macmillan and Co. as publishers of science.</i> S. Nickerson, University of Toronto <i>William Whiston, experimental lecturing and the Royal Society of London</i> S. Snobelen, U of King's College <i>H.G. Wells-- Biology Crammer</i> J. Elwick, York University <i>Le programme de George Sarton pour l'histoire des sciences</i> E. Aurières, Université de Paris I Chair: D. Pantalony, Canadian Museum of Science and Technology</p>	<p>Epistemology of Science I <i>The Epistemic Merits of Reichenbach's Pragmatic Defense of Induction</i> A. Kenna, University of Utah <i>Explanatory Power and Heuristic Power</i> M. King, University of Guelph <i>A Historical Look at Pragmatism and Logical Empiricism</i> M. Silk, University of Waterloo <i>Considering Practice: On the Importance of Phonology to the Philosophy of Language</i> J. Life, University Of Western Ontario Chair: Y. Fehige, University of Toronto</p>
17:15-17:30	Break		
17:30-19:00	<p>Plenary: Author meets critics: Smolin's Time Reborn: From the Crisis in Physics to the Future of the Universe. Thistle 242 Speakers: Rick Arthur, McMaster University; Kathleen Okruhlik, University of Western Ontario; Denis Walsh, University of Toronto; Lee Smolin, Perimeter Institute. Gordon McQuat, University of King's College (organizer)</p>		

May 25:

Time	Lowenberger Residence 134	Lowenberger Residence 201	Lowenberger Residence 209
9:00-10:30	<p>Microcomputers in Academia: This Time It's Personal <i>The MCM/70 in Research and Education</i> Z. Stachniak, York University <i>Micro-What? Constructing microcomputers at the University of Waterloo</i> S. Campbell, University of Waterloo <i>Personal Astronomical Computing: Exchanges 1984-1994</i> Allan Olley, independent scholar Organizer: Allan Olley, independent scholar</p>	<p>Social Sciences <i>Asymptotic Reasoning in the Social Sciences</i> W. C. Arbage, Y. Zhao and N. Fillion, Simon Fraser University <i>Deviant Case and Scientific Dynamics: Considerations from Recent economics</i> F. Claveau, UNIVERSITE DE QUEBEC A MONTREAL <i>Ultimatum Game as an Indicator for Altruism</i> Y. Zhao, Simon Fraser University Chair: S. Weaver, University of Waterloo</p>	<p>Scientific Models <i>Connectionist Models as Approximations, not Idealizations</i> D. Booth, University of Western Ontario <i>Measuring Generality in the Protein Universe</i> C. Lewis, University of Toronto <i>Fractal geometry is a geometry of nature</i> C. Belanger, University of Toronto Chair: M. B. Brown, University of Lethbridge</p>
10:30-10:45	Coffee		
10:45-12:45	<p>Science on The Emotions <i>Vygotsky on emotion/affection/feeling</i> Gisele Toassa, York University <i>Pity: Epidemic encephalitis and the bureaucratic state in 1920s Britain</i> Kenton Kroker, York University <i>Testing Temperament in Interwar American Corporations</i> Kira Lussier, University of Toronto <i>Konrad Lorenz on intuition and empathy in the study of animal behavior</i> Marga Vicedo, IHPST/University of Toronto Organizer: Marga Vicedo</p>	<p>Philosophy of Biology <i>Assessing the Economic Metaphor in Robert Trivers' Parental Investment Theory</i> S. Weaver, University of Waterloo <i>Recent Philosophical Criticism of Natural Selection</i> D. McArthur, York University <i>The irreducibility of instinct</i> J. Collier, KwaZulu Natal Chair: G. Beaulac, University of Western Ontario</p>	<p>Realism <i>Structural Realism and Category Mistakes</i> E. Landry, University of California, Davis <i>On the (im)possibility of a unified science of multiply realized kinds</i> Alex Manafu, Université de Paris I <i>Laws of nature: the role of predicates in systematization</i> M. B. Brown, University of Lethbridge Chair: D. Booth, University of Western Ontario</p>
12:45-13:00	Break		
13:00-15:00	<p>AGM Thistle 245</p>		
15:00-17:00	<p>DRAKE LECTURE: Dr. Paul Israel, Rutgers University, South Block 203 Learning to Innovate: Thomas Edison and the Creation of the Electrical Industry.</p>		

May 26:

Time	Lowenberger Residence 134	Lowenberger Residence 201	Lowenberger Residence 209
9:00-10:30	<p>History of Technology <i>Robert J. Van de Graaff's High Voltage Engineering Corporation: marketing peaceful uses for particle accelerators during the Cold War.</i> E. Fenner, York University <i>Modeling and Renewable Energy under the Trudeau Government</i> H. Trim, University of British Columbia <i>Electric power and the Emergence of Electric Vehicles</i> J Petrunic, McMaster University Chair: V.Boantza, University of Minnesota, Minneapolis</p>	<p>Archaeology, Culture, Religion <i>Altars or the diluvium? Debating the formation of the Ohio Valley mounds</i> C. Burns, Ryerson University <i>The Fraser River: Where Epistemologies Collide</i> C. Sutherland, York University <i>The Arabs' Final Frontier: Transnational Astronomy and Space Science</i> J. M. Determann, Virginia Commonwealth University in Qatar Chair: R. Bedford, University of Toronto</p>	<p>Probability and Rationality <i>Carnap's Analysis of Probability versus Subjective and Frequentist Interpretations</i> P. Torfehnezhad, Université de Montréal <i>The Propensity Interpretation of Probability: A Re-evaluation</i> J. Berkovitz, University of Toronto <i>Thoughts On The Iterated Prisoner's Dilemma</i> K. Fradet, Université de Montréal Chair : I. Brigandt, University of Alberta</p>
10:30-10:45	Coffee		
10:45-12:45	<p>Health: history and applications <i>Biomedical Research and Models of Values in Science</i> A. Quinn, U of Pittsburgh <i>Risks of Empathic Care: Epistemology of Secondary Trauma in Healthcare Providers</i> E. Stergiopoulos, University of Toronto <i>Moving from the lab to the field in nutrition science</i> E. Neswald, Brock <i>Canadian Entomology, Victorian Ideology and DDT</i> M. Berg, Brock University Chair: E. Koester, University of Toronto</p>	<p>History: Modern Science, Mathematics <i>Locke on Induction</i> E. Rossiter, University of Western Ontario <i>Jean Senebier's Chemical Study of Light: From Observation to Experimentation in Eighteenth-Century Science</i> V.Boantza, University of Minnesota, Minneapolis <i>The Development of the Riemann Integral in 1850-1900.</i> J.-P. Villeneuve, Cégep de Rimouski <i>What is the History of the Earth Sciences the History of?</i> E. Hamm, York University Chair: E. Fenner, York University</p>	<p>Epistemology of Science II <i>Social Values Influence the Adequacy Conditions of Scientific Theories</i> I. Brigandt, University of Alberta <i>Incommensurability, Relativism, and the Epistemic Authority of Science</i> S. Bland, University of Western Ontario <i>Comprehensive Empiricism and Our Scientific Knowledge</i> N. Ray, University of Waterloo <i>The Wisdom of Multiple Models: An Epistemology of Climate Model Ensemble Methods</i> M. Vezér and W. Myrvold, University of Western Ontario. Chair: J. Berkovitz, University of Toronto</p>

12:45-13:45	Lunch		
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13:45-15:15	<p>Values: Social and Biomedical <i>Vivisection Debates in the Early Writings of Friedrich Nietzsche</i> B Mitchell, York University <i>Eugenics and the 1917 Ontario Royal Commission Into the care and Control of the Mentally Defective and Feeble-Minded</i> E. Koester, University of Toronto <i>The Woman's Christian Temperance Union of the United States and Ontario on Heredity and Social Reform, 1880-1910</i> R. Bedford, University of Toronto <i>Assigning sex to infants with disorders of sex development</i> C. Clune-Taylor, University of Alberta Chair: E. Stergiopoulos, University of Toronto</p>		<p>Observation and Measurement <i>Subject as Instrument: Galvanic Experiments, Organic Apparatus and Problems of Calibration</i> J. Steigerwald, York University <i>Scientific Instruments: Instrumentality and Performativity</i> O. Hatipoglu, Cornell University <i>New Data Analysis Techniques: Reassessing Neuroimaging</i> J. Wright, UNIVERSITY OF WESTERN ONTARIO <i>Discovery of Hubble's Law: an Example of Type III Error</i> Ari Belenkiy, Simon Fraser University Chair: N. Ray, University of Waterloo</p>
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