

**Canadian Society for History and Philosophy of Science 2008 / Société canadienne d'histoire et de philosophie des sciences 2008**

University of British Columbia/Université de Colombie Britannique

**Day I. Tuesday, June 3 / Jour I. mardi, 3 juin**

<p align="center"><b>7:30–9:00</b>  <b>Executive Meeting / Réunion du Comité Exécutif</b>  <b>MacLeod 202</b></p>		
<p><b>Session/Séance I.1</b></p>		
<p align="center"><b>Session/Séance I.1A MacLeod 202</b>  <b>Topics in philosophy of science</b>                  Chair/Président: James A. Overton</p> <p><b>9:00-9:30</b>                  Eric Hochstein (Waterloo)  <i>A Worry for the Parity Principle</i></p> <p><b>9:30-10:00</b>                  Nicolas Fillion (Western Ontario)  <i>Aristotle's Logic and its Modern Reconstruction</i></p>	<p align="center"><b>Session/Séance I.1B MacLeod 214</b>  <b>Science &amp; Technology in the late 19th and early 20th</b>                  Chair/Président : Ernst Hamm</p> <p><b>9 :00–9 :30</b>                  Martha Harris (IHPST – Toronto)  <i>Getting Engaged with Atoms : Chemical Perspectives on Molecules and Bonding</i></p> <p><b>9:30–10:00</b>                  Kalil T. Swain Oldham (Berkeley)  <i>"The Purpose of All of Science": Gustav Kirchoff's Contemporaries Respond to the Doctrine of Description</i></p> <p><b>10:00-10:30</b>                  Fan Chen &amp; Dongming Cao (Northeastern U/Queens)  <i>Japan's Colonial Scientific Research Institution in China: The Shanghai Science Institute</i></p>	<p align="center"><b>Session/Séance I.1C Mac Leod 254</b>  <b>Philosophy of biology</b>                  Chair/Président : Tracy Finn</p> <p><b>9:00-9:30</b>                  Matteo Mossio et. al. (Paris/Basque Country)  <i>Self-maintaining organization and biological functions</i></p> <p><b>9:30-10:00</b>                  Eric Desjardins (UBC)  <i>Historicity as Path Dependence in Biology</i></p> <p><b>10:00-10:30</b>                  Rachel Bryant (Toronto)  <i>What if Ecological Communities are not Individuals ?</i></p>
<p><b>Session/Séance I.2</b></p>		
<p align="center"><b>Session/Séance I.2A MacLeod 202</b>  <b>JOINT Session with CSHPM</b>  <b>On infinitesimals</b>                  Chair/Président: Jean-Pierre Marquis</p> <p><b>10:00–10:30</b>                  Amy Shell-Gellasch (Pacific Lutheran University)  <i>Fermat's Integration Technique</i></p> <p><b>10:30–11:00</b>                  Richard Arthur (McMaster)  <i>Leibniz's Archimedean Infinitesimals</i></p> <p><b>11:00–11:30</b>                  Tom Drucker (Wisconsin-Whitewater)  <i>Finding Room for Infinitesimals</i></p> <p><b>11:30-12:00</b>                  John Bell (Western Ontario)  <i>Infinitesimals and the continuum in smooth infinitesimal analysis</i></p>	<p align="center"><b>Session/Séance I.2B MacLeod 214</b>  <b>Teaching Science in the Late Nineteenth and Early Twentieth Century High School</b>                  Chair/Président:</p> <p><b>10:45–11:15</b>                  David Meshoulam (Wisconsin-Madison)  <i>Men in the Middle: Biographies in Early 20<sup>th</sup>-century American Science Textbooks</i></p> <p><b>11:15–11:45</b>                  Michelle Hoffman (IHPST-Toronto)  <i>"Scientific Stimulus of a National Character": Ontario High School Science in International Context, 1890-1910</i></p> <p><b>11:45–12:15</b>                  Adam R. Shapiro (UBC)  <i>What did Scopes really do to high School Biology?: Textbook Politics and the Evolution of Science Education in the Early Twentieth Century</i></p>	<p align="center"><b>Session/Séance I.2C MacLeod 254</b>  <b>On Hacking</b>                  Chair/Président : Patrick Slaney</p> <p><b>10:45-11:15</b>                  Jonathan Tsou (Chicago)  <i>Psychiatric Kinds, Looping Effects, and State Targets : Are any Mental Disorders Natural Kinds ?</i></p> <p><b>11:15-11:45</b>                  Mike Maleki (Calgary)  <i>Why Human Kinds Are Different : In Defence of Hacking</i></p> <p><b>11:45-12:15</b>                  Trevor Pearce (Chicago)  <i>From the Police to the Population – Hacking, Foucault, and Ecology</i></p>

<b>Lunch/Dîner Cluster Program Roundtable MacLeod 202</b>		
<b>Session/Séance I.3</b>		
<b>Session/Séance I.3A MacLeod 202 Philosophy of Mind/Biology Chair/Président: Mike Maleki</b>	<b>Session/Séance I.3B MacLeod 214 17th-18th centuries Chair/Président: Adam Shapiro</b>	<b>Session/Séance I.3C MacLeod 254 Technology, Science and Philosophy in the 20th century Chair/Président : Andrew Ede</b>
<b>14:00-14:30</b> Darren Abramson (Dalhousie) <i>Two sources for Turing</i>	<b>14:00-14:30</b> Benny Goldberg (Pittsburgh) <i>Leibniz, Mechanism, and Machines</i>	<b>14:00- 14:30</b> Patrick Slaney (UBC) <i>Conant on Laboratory Life – or – Institutions of Bi-Polarity in Post-War Science</i>
<b>14:30-15:00</b> Tracy Finn (Waterloo) <i>Autism Spectrum Disorders and Theory of Mind: Developmental Evidence and Philosophical Implications</i>	<b>14:30-15:00</b> Ernst Hamm (York) <i>Exchange, Natural Knowledge and Dissent in the Dutch Enlightenment</i>	<b>14:30-15:00</b> Matthew Eisler (Alberta) <i>Technological Metaphor and Fuel Cell Research and Development</i>
<b>15:00-15h30</b> Richard Delisle (Chicago) <i>Expanding the Framework of the Downward/upward Causation Debate in Neo-Darwinism : the Cases of Theodosius Dobshansky and Bernard Rensch</i>	<b>15:00-15:30</b> Lisa Mullins (Cambridge) <i>Making Science History: Fontenelle and the Histoire et Mémoires of the Académie Royale des Sciences</i>	<b>15:00-15:30</b> Cancelled
<b>Session/Séance I.4</b>		
<b>Session/Séance I.4A MacLeod 202 On Newton Chair/Président: Ian Stewart</b>	<b>Session/Séance I.4B MacLeod 214 Too many or too few experiments Chair/Président: Jean-Pierre Marquis</b>	<b>Session/Séance I.4C MacLeod 254 History and philosophy of psychology Chair/Président: Darren Abramson</b>
<b>15:45–16:15</b> Hylarie Kochiras (Chapel Hill) <i>Newton's Substance Counting Problem</i>	<b>15:45–16:15</b> Bert Leuridan (Gent) <i>Science without experiment: the case of classical genetics</i>	<b>15:45-16:15</b> Andrea Charise (Toronto) <i>Location, location, location: Cultural technologies of brain mapping in Victorian and modern neuroimaging</i>
<b>16:15–16:45</b> Sheldon Chow (Western Ontario) <i>Newton's Theory of Universal Gravitation, the Cause of Gravity, and the General Scholium</i>	<b>16:15–16:45</b> Jacob Stegenga (San Diego) <i>Robustness and Contradictory Evidence</i>	<b>16:15-16:45</b> Cecelia A. Watson (Chicago) <i>The Artist Versus the Associationists: William James's use of John La Farge's theories of art in "The Principles of Psychology"</i>
<b>16:45-17:15</b> Stephen Snobelen (King's college) <i>"Alone in a garden": Newton's apple revisited</i>		
<b>President's Reception (Atria Life Science Bldg)</b>		
<b>17:30–19:00</b>		

**Day II. Wednesday, June 4/Jour II. Mercredi, 4 juin**

<b>9:00–10:30</b>		
<b>Session/Séance II.1</b>		
<p><b>Session/Séance II.1A MacLeod 202</b>  <b>Modelling the Universe : Rethinking Twentieth Century Cosmology</b>                      Chair/Président : Robert Smith</p> <p><b>9:00–9:30</b>                      Robert Smith (Alberta)  <i>W.H. McCrea and the Remaking of Cosmology in the 1930s</i></p> <p><b>9:30–10:00</b>                      George Gale (Concordia)  <i>"I told them 'show me a fossil, and I'll give it up'" – Bondi, 1988</i></p> <p><b>10:00-10:30</b>                      Dylan Gault (Western)  <i>20<sup>th</sup> Century Cosmology is not over</i></p>	<p><b>Session/Séance II.1B MacLeod 214</b>  <b>Models in Science</b>                      Chair/Président : Kathleen Okruhlik</p> <p><b>9:00–9:30</b>                      Robert Moir (Western Ontario)  <i>Theories, Models and Representation : Lessons from Solid State Physics</i></p> <p><b>9:30–10:00</b>                      Michael McEwan (Waterloo)  <i>The Semantic View of Scientific Theories : What is Right About it ?</i></p> <p><b>10:00-10:30</b>                      James A. Overton (Western Ontario)  <i>Building Better Bridge Laws with Category Theory</i></p>	<p><b>Session/Séance II.1C MacLeod 254</b>  <b>Science and the Making of Modern Chinese Culture and Society</b>                      Chair/Président: Howard H. Chiang</p> <p><b>9:00-9:30</b>                      Howard H. Chiang (Princeton)  <i>Rethinking « Style » for Historians and Philosophers of Science : A Converging Perspective from Sexuality, Translation, and East Asian Studies</i></p> <p><b>9:30-10:00</b>                      David Luesink (UBC)  <i>Medicine and Philology Leads Science : The Case of the Standardization of Scientific Terminology in Early Twentieth-Century China</i></p> <p><b>10:00-10:30</b>                      Leon Antonio Rocha (Cambridge)  <i>The Many Faces of 'Mr. Science' in China : The 'Science and Philosophy of Life Debate', 1923-24</i></p>
<b>10:45–12:15</b>		
<b>Session/Séance II.2</b>		
<p><b>Session/Séance II.2A MacLeod 202</b>  <b>Semantic View/Kant</b>                      Chair/Président: Robert Smith</p> <p><b>10:45–11:15</b>                      Boaz Miller (IHPST – Toronto)  <i>Popper, Models and the Rationality Principle</i></p> <p><b>11:15–11:45</b>                      Moved to 15:00, same room, due to cancellation.</p> <p><b>11:45–12:15</b>                      Cancelled</p>	<p><b>Session/Séance II.2B MacLeod 214</b>  <b>Science and Values</b>                      Chair/Président: Anjan Chakravartty</p> <p><b>10:45–11:15</b>                      Kathleen Okruhlik (Western Ontario)  <i>Putnam, Proctor, and Political Economy</i></p> <p><b>11:15–11:45</b>                      Neelam Sethi (Cornell)  <i>Rethinking Normativity</i></p> <p><b>11:45–12:15</b>                      Moira Howes (Trent)  <i>Epistemic Emotions, Salience and Ignorance in Scientific Reasoning</i></p> <p><b>12:15-12:45</b>                      Burcu Erciyes (York)  <i>Feminist Objectivity Versus Traditional Objectivity</i></p>	<p><b>Session/Séance II.2C MacLeod 254</b>  <b>Continental Philosophy of Science</b>  <b>Joint Session with EPTC</b>                      Chair/Président: Gordon McOuat</p> <p><b>10:45–11:15</b>                      Jeff Kochan (Alberta)  <i>Heidegger and the Historiography of the Experiment</i></p> <p><b>11:15–11:45</b>                      Mielle Chandler (York)  <i>Beneath the Politics of Nature: Conceptualizing Gestationality</i></p> <p><b>11:45–12:15</b>                      Patrick McGivern (Alberta)  <i>Canguilhem on Health, Disease, and Medical Science</i></p>

<b>Board Meeting / Réunion de Conseil d'Administration</b>			
<b>MacLeod 228</b>			
<b>Lunch/Dîner</b>			
<b>Session/Séance II.3</b>			
<b>Session/Séance II.3A MacLeod 202</b> <b>Philosophy of space-time</b> Chair/Président: Eran Tal	<b>Session/Séance II.3B MacLeod 214</b> <b>Science and Metaphysics</b> Chair/Président: Alan Richardson	<b>Session/Séance II.3C MacLeod 254</b> <b>IBE, Van Fraassen and Fine</b> Chair/Président: Alirio Rosales	
<p><b>14:00–14:30</b> Gemma Georgina Rosemary Murray (Western Ontario) <i>An Analysis of Einstein's Theory of Special Relativity as a Principle Theory of Space-Time</i></p> <p><b>14:30-15:00</b> Ben Almassi (Washington) <i>Conflicting Expert Testimony and the Search for Gravitational Waves</i></p> <p><b>15:00-15h30</b> Alexandru Manafu (Western Ontario) <i>Enantiomorphy, Symmetry and the Reality of Space</i></p>	<p><b>14:00–14:30</b> Anjan Chakravartty (IHPST – Toronto) <i>Science, Metaphysics, and the Philosophy of Science</i></p> <p><b>14:30–15:00</b> Travis Dumsday (Calgary) <i>Natural Kinds, Complex Essences, and the Real Difficulty Facing Scientific Essentialism</i></p> <p><b>15:00-15:30</b> Letitia Meynell (Dalhousie) <i>The Depiction of Causes</i></p>	<p><b>14:00–14:30</b> Kareem Khalifa (Middlebury) <i>Inference to the Best Explanation: Virtues, Causes, and Contrasts</i></p> <p><b>14:30–15:00</b> Paul Simard Smith (Waterloo) <i>Revisiting van Fraassen on Inference to the Best explanation</i></p> <p><b>15:00-15:30</b> Corey Mulvihill (Waterloo) <i>Fine Distinctions : Constructive Empiricism, Instrumentalism and Bell's Theorem</i></p>	
<b>Session/Séance II.4</b>			
<b>Session/Séance II.4A MacLeod 202</b> <b>Around Quantum Physics</b> Chair/Président: G. G. R. Murray	<b>Session/Séance II.4B MacLeod 214</b> <b>Philosophy of Biology</b> Chair/Président: Moira Howes	<b>Session/Séance II.4C MacLeod 254</b> <b>General philosophy of science</b> Chair/Président: Kareem Khalifa	
<p><b>16:00-16:30</b> Eran Tal (Toronto) <i>Simulated Evidence: Signatures of a Quantum Phase Transition</i></p> <p><b>16:30-17:00</b> Melanie Frappier (Western Ontario) <i>If 'Copenhagen' is Leibzig's Code Name, What does 'Interpretation' mean?: A Re-examination of the Origin of the Copenhagen Interpretation</i></p> <p><b>17:00-17:30</b> Isaac Record (Toronto) <i>Instruments of Explanation</i></p>	<p><b>16:00-16:30</b> Ingo Brigandt (Alberta) <i>Continuity in Scientific Concepts: Homology in the 19<sup>th</sup> Century Before and After Darwin</i></p> <p><b>16:30-17:00</b> Jeremy Wideman (University of Alberta) <i>In Defence of Conservation : A Theoretically Grounded and Practically Applicable Approach to the Classification of Species</i></p> <p><b>17:00-17:30</b> Kirsten MacDonald <i>Evolutionizing Culture : Can It be Done ?</i></p>	<p><b>16:00-16:30</b> Alirio Rosales and John Woods (UBC) <i>Fruitful distortion : Idealization, analogy, and Scientific Understanding</i></p> <p><b>16:30-17:00</b> Guillaume Maranda (Bristol) <i>The Double Language Model and the Theory-Ladenness of Our Observation Reports</i></p> <p><b>17:00-17:30</b> Andrew Morgan (Waterloo) <i>Constraining the Foils: The Similarity Condition</i></p>	
<b>17:00-19:00</b>	<b>Joint Reception with CPA</b>		<b>Totem Ballroom</b>
<b>19:30–22:00</b>			<b>CSHPS/SCHPS Banquet</b>

**Day III. Thursday, June 5th/Jour III. jeudi, 5 juin**

9:00–10:30	Session/Séance III.1	
<p><b>Session/Séance III.1A MacLeod 202</b>  <b>Kuhn, Feyerabend and Incommensurability</b>            Chair/Président: Robert Hudson</p> <p><b>9:00–9:30</b>            Emerson Doyle (Western Ontario)  <i>Two Notions of Incommensurability</i></p> <p><b>9:30–10:00</b>            Eric Oberheim (Humboldt – Berlin)  <i>Feyerabend, Einstein and Incommensurability</i></p> <p><b>10:00-10 :30</b>            Jim Jordan (Waterloo)  <i>Feyerabend's Pluralist Approach to Scientific Knowledge</i></p>	<p><b>Session/Séance III.1B MacLeod 214</b>  <b>Methods in Cognitive Sciences</b>            Chair/Président: Susan Liepert</p> <p><b>9:00–9:30</b>            Cancelled</p> <p><b>9:30–10:00</b>            Mathieu Côté-Charbonneau (Montreal)  <i>Synthetic Psychology: an Analysis of Valentino Braitenberg's 'Vehicles' Approach to the Scientific Study of the Mind</i></p> <p><b>10:00-10 :30</b>            Saray Ayala-Lopez (UBC-Barcelona)  <i>Biased Cognition and minimal Cognition</i></p>	<p><b>Session/Séance III. 1C MacLeod 254</b>  <b>Physics in philosophy</b>            Chair/Président : Roger Stanev</p> <p><b>9 :00-9 :30</b>            Alexandre Korolev (UBC)  <i>Indeterminism of the Norton-type Lipschitz-Indeterministic Systems as an artefact of Infinite Idealizations</i></p> <p><b>9:30-10 :00</b>            Doreen Fraser (Waterloo)  <i>The Applicability of Mathematics : A Case Study from Quantum Field Theory</i></p> <p><b>10:00-10 :30</b>            Daniel McArthur (York)  <i>Is the String Theory Landscape Question Begging ? Debating the Relevance of Testability in Fundamental Physical Theory</i></p>
10:45-12:15	Session/Séance III.2	
<p><b>Session/Séance III.2A MacLeod 202</b>  <b>Logical Empiricism</b>            Chair/Président: Anjan Chakravartty</p> <p><b>10:45–11:15</b>            Ryan Samaroo (Western Ontario)  <i>Can Carnap's Conventionalism be attributed to Poincaré and, if so, how?</i></p> <p><b>11:15–11:45</b>            Robert G. Hudson (Saskatchewan)  <i>Carnap's Empiricism, Lost and Found</i></p> <p><b>11:45-12:15</b>            Alan Richardson (UBC)  <i>Logical Empiricism without Empiricism and without Analytic Philosophy</i></p>	<p><b>Session/Séance III.2B MacLeod 214</b>  <b>18<sup>th</sup> century science and technology</b>            Chair/Président : Saray Ayala-Lopez</p> <p><b>10 :45–11 :15</b>            Eric Weidenhammer (Toronto)  <i>An Eighteenth-Century Approach to Chemistry and the Body</i></p> <p><b>11:15–11:45</b>            Leslie Tomory (Toronto)  <i>The Origins of the Manufactured Gas Industry in the late 18<sup>th</sup> and early 19<sup>th</sup> Century: a case study in the interaction between science and technology in the Industrial Revolution</i></p> <p><b>11:45-12:15</b>            Susan Liepert (Alberta)  <i>The problem of fish ears: Investigating animal subjectivity in late-eighteenth-century Europe</i></p>	<p><b>Session/Séance III2B MacLeod 254</b>  <b>Philosophy of medicine</b>            Chair/Président: Doreen Fraser</p> <p><b>10:45–11:15</b>            Dylan Gault (Western Ontario)  <i>Why consider Malaria to Be a Mosquito Disease ?</i></p> <p><b>11:15–11:45</b>            Jeremy Howick (LES)  <i>Double-Blinding : Benefits and Risks of Being in the dark</i></p> <p><b>11:45-12:15</b>            Roger Stanev (UBC)  <i>HIV/AIDS Activism and the Challenges in Designing and Monitoring Clinically Relevant Trials.</i></p>

<p><b>12:30–14:30</b></p>	<p><b>Lunch &amp; Annual General Meeting / Dîner &amp; Assemblée Générale Annuelle MacLeod 202</b></p>	
<p><b>15:00-17:00</b></p>	<p><b>Stillman Drake Lecture / Conférence Stillman Drake MacLeod 202</b></p> <p>Chair/Président : Richard Arthur (McMaster)</p> <p><b>Michael Friedman</b> Stanford University <i>Descartes and Galileo: Copernicanism and the Metaphysical Foundations of Physics</i></p>	<p>Presented by <b>CSHPS CPA</b></p>