

# CSHPS 2015 Congress, Preliminary Program

May 30th

<p>8h45-11h45</p>	<p><b>Session 1: Morisset 205</b>  <b>Philosophy of Biology</b></p> <p><b>Chair: Mitia Rioux-Beaulne</b>          Université d'Ottawa/University of Ottawa</p> <p><b>Justin Bzovy</b>          Western University  <i>Aristotelian Species Pluralism</i></p> <p><b>Mathieu Charbonneau</b>          KLI Institute  <i>(Re)integrating modification processes to the origins of cumulative culture</i></p> <p><b>Christophe Malaterre</b>          Université du Québec à Montréal  <i>Is "being alive" a bivalent property?</i></p> <p><b>Yussif Yakubu</b>          McMaster University  <i>A Profile of Contemporary Darwinian Explanation</i></p>	<p><b>Session 2: Morisset 218</b>  <b>Scientific Authority</b></p> <p><b>Chair: Debra Lindsay</b>          University of New Brunswick</p> <p><b>Jörg Matthias Determann</b>          Virginia Commonwealth University in Qatar  <i>Biology, Evolution and Scientific Islands of Efficiency in Arabia</i></p> <p><b>Dmitry Mordvinov</b>          University of British Columbia  <i>From Breeds to Nations: The Problem of Race in the Russian Empire</i></p> <p><b>David Orenstein</b>          University of Toronto  <i>The June 1938 AAAS Salmon Symposium in Ottawa: Its Genesis, The Event and Its Influence</i></p> <p><b>Callum C.J. Sutherland</b>          York University  <i>Dashed Hopes: The Fraser River Fisheries Collapse of 2009</i></p>
<p>10h45-11h00</p>	<p style="text-align: center;"><b>Break - Coffee in Morisset 218</b></p>	
<p>11h00-12h30</p>	<p><b>Session 3: Morisset 205</b>  <b>Reasoning about Evidence</b></p> <p><b>Chair : Isaac Record (session organizer)</b></p> <p><b>Agnes Bolinska</b>          University of Pittsburgh  <i>Model-Based Reasoning for Efficient Molecular Structure Determination</i></p> <p><b>Greg S. Lusk</b>          University of Toronto  <i>How to Reason from Data to Phenomena</i></p> <p><b>Isaac Record</b>          University of Toronto  <i>How simulations become evidence</i></p>	<p><b>Session 4 : Morisset 218</b>  <b>Calculating Change</b></p> <p><b>Chair: Kathleen Okruhlik</b>          University of Western Ontario</p> <p><b>J. Melissa Charenko</b>          University of Wisconsin-Madison  <i>The Scale of Change</i></p> <p><b>Ed Cohen</b>          University of Ottawa  <i>Dates of Easter</i></p> <p><b>Jason Grier</b>          York University  <i>The Social Construction of a Centre of Calculation: The Royal Observatory Under John Flamsteed</i></p>
<p>12h30-13h30</p>	<p style="text-align: center;"><b>Congress 2015, Big Thinking</b>  <b>Murray Sinclair</b>  <i>What do we do about the legacy of Indian residential schools?</i></p>	
<p>13h30-15h00</p>	<p><b>Session 5: Morisset 205</b>  <b>Philosophy of Physics</b></p> <p><b>Chair: Doreen Fraser</b> Waterloo University</p> <p><b>Yann Benétreau-Dupin</b>          University of Western Ontario  <i>Lost in the Multiverse</i></p> <p><b>Kent Peacock</b>          University of Lethbridge  <i>"Where Are They?" Fermi, Lotka, and the Long Odds of Survival in a Dangerous Universe</i></p> <p><b>Ryan Samaro</b>          University of Bristol  <i>The Principle of Equivalence is a Criterion of Identity</i></p> <p><b>Corey Sawkins</b>          University of Guelph  <i>The Explanatory Role of Spacetime in Physics</i></p>	<p><b>Session 6: Morisset 218</b>  <b>Neuroscience</b></p> <p><b>Chair: Christophe Malaterre</b>          Université du Québec à Montréal</p> <p><b>Neil Coleman</b>          Bristol University  <i>Naming Neurons: The Classification Problem and its Philosophical Import</i></p> <p><b>Robert Foley</b>          University of Western Ontario  <i>Flexible Interaction as a Criterion for Consciousness</i></p> <p><b>Jessey Wright</b>          University of Western Ontario  <i>Data Analysis and the Evidential Scope of Neuroimaging Results</i></p>

15h00-15h15	<b>Break</b>		
15h15-17h15	<p><b>Session 7: Morisset 205</b>  <b>Empiricism</b></p> <p><b>Chair: Anjan Chakravartty</b>  Notre Dame University</p> <p><b>Ghyslain Bolduc</b>  Université de Montréal  <i>Method and history of science: Is rational reconstruction still relevant today?</i></p> <p><b>Kathleen Okruhlik</b>  University of Western Ontario  <i>Philipp Frank and Thomas Kuhn</i></p> <p><b>Nicholas Ray</b>  University of Waterloo  <i>Scientific Empiricism and the Given</i></p> <p><b>Jean-Jacques Rousseau</b>  University of Toronto  <i>Is Newton to Einstein What Vinyl Is to MP3s: The Problem of Backward Compatibility in Science</i></p>		<p><b>Session 8: Morisset 218</b>  <b>Innovation, Collaboration &amp; Research</b></p> <p><b>Chair: David Orenstein</b></p> <p><b>Alina Geampana</b>  McGill University  <i>An analysis of scientific risk models for contraceptive pills</i></p> <p><b>Eleanor Louson</b>  York University  <i>Documentary Filmmakers' Collaboration with Science Consultants</i></p> <p><b>Erich Weidenhammer</b>  University of Toronto  <i>Recreating August Kirschmann's "Colour Mixing Apparatus": An Exercise in the Tactile History of Science.</i></p>
17h15-17h30	<b>Break - Coffee in Morisset 218</b>		
17h30-19h00 Morisset 218	<p><b>International Speaker: Janet Browne</b>  <i>Aramont Professor of History of Science, Harvard.</i>  <i>The natural economy of households: Charles Darwin and the ledgers of life.</i></p>		

**May 31st**

<p>8h45-10h45</p>	<p><b>Session 9: Morisset 218</b>  <b>Analogy, Explanation &amp; Symmetry</b></p> <p><b>Chair: Travis Dumsday</b>          Concordia University College of Alberta</p> <p><b>Anjan Chakravartty</b>          Notre Dame  <i>Symmetry Principles and Dispositional Explanation</i></p> <p><b>John Collier</b>          University of KwaZulu-Natal, Durban  <i>Dynamical conditions for emergence and consequences</i></p> <p><b>Travis Dumsday</b>          Concordia University College of Alberta  <i>Natural-Kind Essentialism, Platonism, and the Unity Problem</i></p> <p><b>Doreen Fraser and Adam Koberinski</b>          Waterloo/UWO  <i>The Higgs mechanism and superconductivity: Physical or formal analogies?</i></p>		<p><b>Session 10: Morisset 205</b>  <b>Values in Science</b></p> <p><b>Chair: Gordon McOuat</b>          King's/Dalhousie University</p> <p><b>Michael A. Hunter</b>          University of California  <i>Philosophers Behaving Badly: The systemic failures of "Experimental Philosophy"</i></p> <p><b>Janet Michaud and John Turri</b>          University of Waterloo  <i>Three Factors that Affect the Credibility of Scientific Research</i></p> <p><b>Esther Rosario</b>          University of Alberta  <i>Evolutionary Explanations of Female Sexuality: Combining Feminist Values and New Empirical Perspectives</i></p> <p><b>Matt Silk</b>          University of Waterloo  <i>John Dewey on Values in Science</i></p>
<p>10h45-11h00</p>	<p><b>Break - Coffee in Morisset 218</b></p>		
<p>11h00-12h30</p>	<p><b>Analogy, Explanation &amp; Symmetry (con't)</b></p> <p><b>Martin King</b>          University of Guelph  <i>Is Causation the Only Way to Solve the Asymmetry Problem?</i></p> <p><b>Alex Manafu</b>          University of Paris  <i>For a Functional Understanding of Piezoelectricity</i></p>	<p><b>Conférence Paterson/ Paterson Lecture</b> (Canadian Society for the History of Medicine)</p> <p><b>Natalie Zemon Davis</b>          University of Toronto  <i>Physicians, Healers and their Remedies in Colonial Suriname</i></p>	<p><b>Session 11: Morisset 205</b>  <b>Doing Sociology</b></p> <p><b>Chair: Mathieu Charbonneau</b>          KLI Institute</p> <p><b>Vincent Guillin</b>          Université du Québec à Montréal  <i>Structure normative de la science et régulation morale des savants : Analyse sociologique et polémique institutionnelle chez Auguste Comte</i></p> <p><b>Rick Helmes-Hayes</b>          University Waterloo  <i>Piety and Politics: Abraham Lincoln McCrimmon, Pioneer of Applied Christian Sociology at McMaster University, 1906-1935</i></p> <p><b>Benjamin David Mitchell</b>          York University  <i>Experiments in Freedom: Claude Bernard, Friedrich Nietzsche, and the Education of Experience</i></p>
<p>12h30-13h30</p>	<p><b>Congress 2015, Big Thinking</b>  <b>Joseph Yvon Theriault</b>  <i>Whither francophone cultures in America?</i></p>		
<p>13h30-15h30</p>	<p><b>AGM</b>          Morisset 218</p>		
<p>15h30-15h45</p>	<p><b>Break - Coffee in Morisset 218</b></p>		
<p>15h45-17h45  <b>Morisset 218</b></p>	<p><b>Drake Lecture: Yves Gingras</b>  <i>CRC, History and Sociology of Science, Université du Québec à Montréal.</i>  <i>"The 'Templeton Effect' and the Rise of the 'Science and religion Industry."</i></p>		

**June 1st**

<p>8h45-10h45</p>	<p><b>The historian's craft: international perspectives</b></p> <p>Facilitators/Animateurs:  <b>Jules Racine-St-Jacques &amp; Van Troi Tran</b>          Université Laval</p> <p><b>Vincent Auzas &amp; Maryline Crivello</b>          CNRS-Paris/Université de Provence  <i>"Histinéraires. L'Histoire telle qu'elle se raconte," un programme de recherche ANR</i></p> <p><b>Christian Delacroix</b>          Université Paris-Est  <i>La question de la subjectivité en histoire: la thématization introuvable</i></p> <p><b>Valérie Lapointe-Gagnon &amp; Maria Neagu</b>          York University  <i>Les historiens par eux-mêmes : considérations autour d'un projet de recherche</i></p> <p><b>Doug Munro</b>          University of Queensland  <i>Being an Historian in Different Settlings</i></p> <p><b>Patrick-Michel Noël</b>          Université Laval  <i>Le métier d'historien peut-il et devrait-il se dire? Les historiens sur l'épistémologie</i></p> <p>Commentator/Commentateur:  <b>Chad Gaffield</b>          University of Ottawa</p> <p>Joint session with CHA and Folklore Studies Association of Canada</p>		<p><b>Session 12: Morisset 218 Cognition, Language, &amp; Emotion</b></p> <p><b>Chair: Vincent Guillin</b>          Université du Québec à Montréal</p> <p><b>Sarah Arnaud</b>          UQÀM et Paris-Sorbonne  <i>Conscience ou accès? Vers un nouveau modèle de notre rapport aux émotions</i></p> <p><b>Guillaume Beaulac</b>          Yale University  <i>The Role of Language and the Architecture of Cognition</i></p> <p><b>Léa Derome</b>          Université de Montréal  <i>Aristotle on Brain Functions and Intelligence</i></p>
<p>10h45-11h00</p>	<p><b>Break – Coffee in Morisset 218</b></p>		
<p>11h00-12h30</p>	<p><b>Session 13: Morisset 205 Philosophy of Math</b></p> <p><b>Chair: Chair: Jason Grier</b>          York University</p> <p><b>James Robert Brown</b>          University of Toronto  <i>Mathematical Evidence: Pure vs Applied</i></p> <p><b>Bradley Zurcher</b>          Simon Fraser University  <i>Threshold Concepts in Formal Logic</i></p>		<p><b>Cognition, Language, &amp; Emotion (con't)</b></p> <p><b>Garson Leder</b>          University of British Columbia  <i>Cognition, Emotion, and Causes: Questioning the Theoretical Foundations of CBT</i></p> <p><b>Jonathan Life</b>          University of Western Ontario  <i>On Norms and Communication in Linguistic Science</i></p>
<p>12h30-13h30</p>	<p><b>Congress 2015, Big Thinking</b>  <b>Monique Proulx</b>  <i>Extremely vast and incredibly near: The inner world of Montreal</i></p>		

<p>13h30- 15h00 <b>Morisset</b> <b>218</b></p>	<p style="text-align: center;"><b>Plenary Session</b> <b><i>Science &amp; Narratives of Nature, East &amp; West – An Encounter</i></b> <b>Stephen Bocking</b>, Trent University <b>Yiftach Fehige</b>, University of Toronto <b>Daryn Lehoux</b>, Queens University <b>Gordon McOuat</b>, King's/Dalhousie University <b>Letitia Meynell</b>, Dalhousie University <b>Kathleen Okruhlik</b>, University of Western Ontario <b>Sergio Sismono</b>, Queen's University</p>
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