

Thursday 3 July | HOPOS 2014

Time	Parallel session 1 Auditorium A	Parallel session 2 Auditorium B	Parallel session 3 Room 0.72	Parallel session 4 Room 1.79	Parallel session 5 Room 2.43
08.00–09.00	Registration				
09.00–11.00	<p>Proof and Justification in mathematics (Symposium) Room: Auditorium A</p> <p>Chair: Erich Reck</p> <p>1. Karine Chemla: Proving and searching for the cause: some reflections inspired by mathematical writings from ancient China 2. Jeremy Gray: Euclidean geometry and projective geometry: objects and arguments 3. Dirk Schlimm: Geometric practices and geometric content</p>	<p>Early modern life science and natural history Room: Auditorium B</p> <p>Chair: Charles Wolfe</p> <p>1. Laszlo Kosolovsky & Dagmar Provijn: Harvey's bloody motion: 'the ins and outs of being creative' 2. Boris Demarest: The structure of developmental time: epistemology and metaphysics in the embryological theories of Harvey, Malebranche and Buffon 3. Peter Anstey: Principles in early modern natural philosophy: a provisional taxonomy</p>	<p>Narratives of Scientific Change Room: 0.72</p> <p>Chair: Marius Stan</p> <p>1. Kate Finley: Tycho Brahe and the Role of Aesthetics in Scientific Revolution 2. Danielle Macbeth: Revolution and Realism? 3. Hein van den Berg: Modeling the History of Ideas</p>	<p>René Descartes Room: 1.79</p> <p>Chair: Christoph Lüthy</p> <p>1. Mattia Mantovani: From epistemology to dissections: Descartes' two-step argument for a distinction between primary and secondary qualities 2. Balint Kekedi: Descartes' attentive automata: the case of wonder 3. Aaron Spink: The Two Scientific Methods of the Discourse on Method</p>	
11.00–11.20	Coffee break				
11.20–12.40	<p>HOPOS in the 19th century Room: Auditorium A</p> <p>Chair: Alan Richardson</p> <p>1. Michael Heidelberger: Helmholtz criticized: Mach, Riehl, Laas, James 2. Lydia Patton: The Methodological Arguments of Mach's Economy of Science</p>	<p>Boyle in and out of context Room: Auditorium B</p> <p>Chair: David Marshall Miller</p> <p>1. Ashley J. Inglehart: Robert Boyle on Ferments and Fermentation 2. Matt Barker: Rethinking Reductionism in Robert Boyle's Time and Our Own</p>	<p>Philosophy of Mathematics Room: 0.72</p> <p>Chair: David Stump</p> <p>1. Scott Edgar: Hermann Cohen's rationalist philosophy of mathematics 2. Marij van Strien: Continuity in nature and in mathematics: Boltzmann and Poincaré</p>	<p>HOPOS in the 19th–20th centuries Room: 1.79</p> <p>Chair: Lucian Petrescu</p> <p>1. Gregory B. Moynahan: Annelise Maier's [1905-1971] Philosophy and History of Science 3. Donata Romizi: At the interface between epistemology and ethics: Edgar Zisel's concepts of "rationalism", "rational" and "rationalization"</p>	<p>Scientific Hypotheses Room: 2.43</p> <p>Chair: Menachem Fisch</p> <p>1. Mark Tschaeppe: Guessing and Scientific Discovery: Hypothesis-generation as a logical process 2. Brigitte Van Tiggelen: A chemistry without hypothesis? Maurice Delacre (1862-1938) and the history and philosophy of chemistry</p>
12.40–14.00	Lunch				
14.00–15.20	<p>Logical Empiricism and the Special Sciences, 1930–1960 (Symposium, Part 1) Room: Auditorium A</p> <p>Chair: Sahotra Sarkar</p> <p>1. Michael Stöltzner: Causality, Teleology, System: Laws in the Special Sciences from Frank to Nagel 2. Veronika Hofer: Logical Empiricism and Theoretical Biology: The context of Schlick's patronage of L. von Bertalanffy's Habilitation in Vienna 1934</p>	<p>Spinoza and Modern Science (Symposium, Part 1) Room: Auditorium B</p> <p>Chair: Martin Lenz</p> <p>1. Geoffrey Gorham: Spinoza on Time, Duration and the Mathematization of Nature 2. Alison Peterman: The Attribute-Neutral Foundations of Spinoza's Physics</p>	<p>Empiricism and physics Room: 0.72</p> <p>Chair: Andrew Janiak</p> <p>1. Monica Solomon: Berkeley's Criticism of the Newtonian Account of Rotation 2. Matias Slavov: Hume and Einstein's Special theory of Relativity</p>	<p>HOPOS in the 19th–20th c. Room: 1.79</p> <p>Chair: Alexander Klein</p> <p>1. Moktefi Amirouche: Pragmatism and Mathematical Logic, 1900-1914 (co-author: Ahti Veikko Pietarinen) 2. Nikolay Milkov: On Walter Dubislav</p>	
15.20–15.50	Coffee Break				
15.50–17.10	<p>Logical Empiricism and the Special Sciences, 1930–1960 (Symposium, Part 2) Room: Auditorium A</p> <p>Chair: Michael Stöltzner</p> <p>3. Sahotra Sarkar: Logical Empiricism and the Philosophy of Biology in the 1940s and 1950s 4. Ujjana Feest: Physicalism, Introspection, and Psychophysics: The Carnap/Duncker Exchange</p>	<p>Spinoza and Modern Science (Symposium, Part 2) Room: Auditorium B</p> <p>Chair: Martin Lenz</p> <p>3. Alexander Douglas: Spinozist Psychology and the French Enlightenment 4. Eric Schliesser: Spinoza and 'Anti-Mathematics'</p>	<p>Francis Bacon Room: 0.72</p> <p>Chair: Peter Anstey</p> <p>1. Daniel Schwartz: Bacon on the Certainty and Deceptiveness of Sense-Perception 2. Dana Jalobeanu: Disciplining experience: Bacon's experimental series and the Baconian art of experimenting</p>	<p>HOPOS in the 19th–20th centuries Room: 1.79</p> <p>Chair: Erik Banks</p> <p>1. Thomas W. Staley: The speculative versus the scientific: speculative philosophy of science & English-language education – some episodes from c.1850-1950 2. David J. Stump: The Science behind C. I. Lewis's Pragmatic Conception of the A Priori</p>	
17.20–18.30	<p>KEYNOTE 1: Dennis Des Chene, 'Figura in Natural Philosophy' Room: Auditorium C Chair: Helen Hattab</p>				

Friday 4 July I HOPOS 2014

Time	Parallel session 1 Auditorium A	Parallel session 2 Auditorium B	Parallel session 3 Room 0.72	Parallel session 4 Room 1.79	Parallel session 5 Room 0.17
09.00–11.00	<p>Early modern mechanism and the contemporary mechanisms debate (Symposium) Room: Auditorium A</p> <p>Chair: Zvi Biener</p> <ol style="list-style-type: none"> Barnaby Hutchins: Reductionism and integrationism in Descartes's biology Peter Distelzweig: "Mechanics" and Mechanism in William Harvey's Anatomy: Varieties and Limits Charles Wolfe: Mechanism, capital m and mechanisms, little m: ontological considerations, heuristics and analogies 	<p>William James as scientific philosopher (Symposium) Room: Auditorium B</p> <p>Chair: Thomas Staley</p> <ol style="list-style-type: none"> Francesca Bordogna: Mathematics and metaphysics in William James's Some Problems of Philosophy Alexander Klein: Hypothetical Reasoning and "The Will to Believe" Erik C. Banks: Mach and James on Neutral Monism and the Unity of Science 	<p>On the prehistory of mathematical structuralism (Symposium) Room: 0.72</p> <p>Chair: Lydia Patton</p> <ol style="list-style-type: none"> Janet Folina: Mathematical Structure and Intuition, from Kant to Poincaré Erich Reck: Structuralist themes in the early Husserl (co-author: Clinton Tolley) Georg Schiemer: Carnap on model structures and invariants 	<p>Moritz Schlick Room: 1.79</p> <p>Chair: Michael Heidelberger</p> <ol style="list-style-type: none"> Thomas Oberdan: The Sign-Theory of Perception from Heilmholtz to Schlick Jendrik Stelling: Philosophy of mathematics in the early works of Moritz Schlick Sanne Stuur: Between psychology and physics: Schlick's Philosophy of Time [cancelled] 	<p>Physics and metaphysics in Leibniz Room: 0.17</p> <p>Chair: Roger Ariew</p> <ol style="list-style-type: none"> Lucio Mare: Breaking up the atom: early Leibniz against minima naturalia doctrines and atomism Tzuchien Tho: Leibniz's Dynamic Error Karin Verelst: The Correspondence between Huygens, Leibniz and Fatio de Duillier
11.00–11.20	Coffee Break				
11.20–12.40	<p>Vienna Circle Room: Auditorium A</p> <p>Chair: Gary Hardcastle</p> <ol style="list-style-type: none"> Artur Koterski: The Response to the Vienna Circle's Critique of Metaphysics in Inter-war Poland Alan Richardson: The Discipline of History and the History of Disciplines: "The Left Vienna Circle" Scholarship and Disciplinary History 	<p>Kant and natural science Room: Auditorium B</p> <p>Chair: Rose Mary Sargent</p> <ol style="list-style-type: none"> Stefan Heßbrüggen-Walter: Metaphysics, Mathematics, Certainty: the Pre-History of the Preface to Kant's Metaphysical Foundations of Natural Science Eric Watkins: What is, for Kant, a Law of Nature? [cancelled] 	<p>Descartes's legacy Room: 0.72</p> <p>Chair: Eric Palmer</p> <ol style="list-style-type: none"> Anton Matytsin: The Scientific Revolution Devours Its Children: The Legacy of Descartes in the 18th Century Iaria Coluccia: The Cartesian theme of the divine deception in the Cursus Conimbricensium 	<p>Philosophy of biology Room: 1.79</p> <p>Chair: Boris Demarest</p> <ol style="list-style-type: none"> Zdenka Brzovic: A short historical overview of the debate on reductionism in biology Phillip Honenberger: Grene and Hull on Type-Concepts in Biology 	<p>Early modern science Room: 0.17</p> <p>Chair: Delphine Bellis</p> <ol style="list-style-type: none"> Angela Axworthy: The epistemological and ontological background of the debate on superposition between Jacques Pletier du Mans (1517-1582) and Christophorus Clavius (1538-1612) Madalina Giurgea: The science of sound at the beginning of the 17th century
12.40–14.00	Open Business Meeting Auditorium A		Lunch		
14.00–15.20	<p>Transformations of essentialism in early modern thought (Symposium, Part 1) Room: Auditorium A</p> <p>Chair: Geoffrey Gorham</p> <ol style="list-style-type: none"> Doina-Cristina Rusu: "The effecting of all things possible": Francis Bacon on Forms and Potentiality Andrea Sangiacomo: The metaphysics of determination, from Descartes to Spinoza 	<p>Newton and Spinoza Room: Auditorium B</p> <p>Chair: Alison Peterman</p> <ol style="list-style-type: none"> Steffen Ducheyne: Petrus van Musschenbroek's Appropriation of Newton's Natural-Philosophical Methodology Eric Palmer: Spinoza's Shadow on Science 	<p>Experimentation and hypothesis Room: 0.72</p> <p>Chair: Peter Anstey</p> <ol style="list-style-type: none"> Laura Georgescu: Experimentation and concepts in Gilbert's De magnetē Patrick J. Connolly: Locke on Hypotheses: A Via Media 	<p>History and philosophy of economics Room: 1.79</p> <p>Chair: Eric Schliesser</p> <ol style="list-style-type: none"> Jens van 't Klooster: Carl Menger and the proper subject-matter of economic science Jennifer Jhun: A Lesson from Economic History: Idealization and Ceteris Paribus Clauses 	<p>HOPOS in the 19th–20th centuries Room: 0.17</p> <p>Chair: Christian Damböck</p> <ol style="list-style-type: none"> Stefano Zappoli: Benedetto Croce and Late History of the Philosophy of Science Igor Kaufman: Forming the historical approach in philosophy of science in the Western and USSR scholarly communities [cancelled]
15.20–15.50	Coffee Break				
15.50–17.50	<p>Transformations of essentialism in early modern thought (Symposium, Part 2) Room: Auditorium A</p> <p>Chair: Geoffrey Gorham</p> <ol style="list-style-type: none"> Martin Lenz: From Smallpox to Nominal Essences: How Locke changed his mind about natural kinds Anna Frammartino Wilks: Kant's Rescue of our Knowledge of Nature from the Problem of Unknowable Essences 	<p>Rudolf Carnap Room: Auditorium B</p> <p>Chair: Uljana Feest</p> <ol style="list-style-type: none"> Greg Frost-Arnold: Carnap's Semantic Project: What Was It? And Why Did So Many People Hate It? Christopher French: Engineering Gone Astray: A Short History of Carnap's Unsuccessful Explication Projects Christian Damböck: Carnap's route to the Aufbau: An examination of newly available archival sources 	<p>Critical readings of Cartesian physics Room: 0.72</p> <p>Chair: Daniel Garber</p> <ol style="list-style-type: none"> Andrew Platt: Causal Powers in Cartesian Physics: Descartes' Laws of Nature in La Forge and Clauberg David Marshall Miller: Descartes and His Critics on Conserved Rectilinear Motion Daniel Collette: Descartes's horror vacui: Rohault on the Void and Pascal's Cartesian Critique 	<p>HOPOS in the 20th century Room: 1.79</p> <p>Chair: Karine Chemla</p> <ol style="list-style-type: none"> Jean-Paul Cauvin: Cavallès as a Reader of Husserl: Two Versions of the History of Mathematics Matteo Colodel: Intention vs. Position in HOPOS: The Instructive Case of Paul K. Feyerabend (1924-1994) Yafeng Shan: Kuhn's Real Wrong Turning 	<p>Networks and visual models in science Room: 0.17</p> <p>Chair: Miklos Redei</p> <ol style="list-style-type: none"> Valter Alnis Bezerra: Networks in contemporary philosophy of science: tracking the history of a theme between metaphor and structure Joachim Frans: Explanatory power of visual proofs Holly VandeWall: In Praise of Erroneous Models
19:00	Conference Dinner				

Saturday 5 July | HOPOS 2014

Time	Parallel session 1 Auditorium A	Parallel session 2 Auditorium B	Parallel session 3 Room 0.72	Parallel session 4 Room 1.79	Parallel session 5 Room 0.17
09.40–11.00	<p>Primary matter: From pure potentiality to <i>res extensa</i> and beyond (Symposium, part 1) Room: Auditorium A</p> <p>Chair: Helen Hattab</p> <p>1. Helen Lang: Aristotle on The Relation between Matter and Body: A Continuing Philosophical Problem 2. Roger Ariew: Prime Matter in Descartes and the Late Scholastics</p>	<p>Kantian foundations for exact science: Beyond Euclid and Newton (Symposium, Part 1) Room: Auditorium B</p> <p>Chair: Marius Stan</p> <p>1. Robert DiSalle: Kantian and post-Kantian approaches to scientific representation 2. Katherine Dunlop: Is Euclidean Geometry the 'Form of Outer Sense' for Kant?</p>	<p>Comtian themes Room: 0.72</p> <p>Chair: Jutta Schickore</p> <p>1. Warren Schmaus: Was Renouvier as Scientifically Conservative as Comte? 2. Ronan Le Roux: "French epistemology" and the technical conditions of science. Or how non-Comtian insights remained captive of a Comtian horizon</p>	<p>Operation and visualization in physics and psychophysics (Symposium, Part 1) Room: 1.79</p> <p>Chair: Johanna Wolff</p> <p>1. Alastair Isaac: Dimensions of Understanding - Constructing perceptual qualities through low-dimensional measurement 2. Teru Miyake: Operationalization and Intuition in the Development of the Theory of Flight</p>	<p>HOPOS in the 20th century Room: 0.17</p> <p>Chair: Greg Forst-Arnold</p> <p>1. Günther Sandner: The Berlin Group in the Making: Politics and Philosophy in the Early Works of Hans Reichenbach and Kurt Grelling 2. Thomas Uebel: Schlick and Wittgenstein: The Theory of Affirmations Revisited</p>
11.00–11.20	Coffee Break				
11.20–12.40	<p>Primary matter: From pure potentiality to <i>res extensa</i> and beyond (Symposium, Part 2) Room: Auditorium A</p> <p>Chair: Helen Hattab</p> <p>3. Christoph Lüthy: How many types of matter for a mechanical philosophy? 4. Daniel Garber: Leibniz and Materia Prima: Force and Monadic Perception</p>	<p>Kantian foundations for exact science: Beyond Euclid and Newton (Symposium, Part 2) Room: Auditorium B</p> <p>Chair: Katherine Dunlop</p> <p>3. Marius Stan: Kant's Natural Philosophy and Generalized Mechanics 4. Bennett McNulty: Chemistry in Kant's Opus Postumum</p>	<p>Ernst Cassirer Room: 0.72</p> <p>Chair: Steffen Ducheyne</p> <p>1. Francesca Biagioli: Duhem and Cassirer on the Symbolic Form of Physical Reality 2. Marco Giovanelli: A matter of principles. Ernst Cassirer's reading of the theory of relativity as a principle theory</p>	<p>Operation and visualization in physics and psychophysics (Symposium, Part 2) Room: 1.79</p> <p>Chair: Alastair Isaac</p> <p>3. Nabeel Hamid: S.S. Stevens, operationalism, and logical positivism 4. Johanna Wolff: Pauli's objection to Weyl and the origins of the divide between Anschaulichkeit and Beobachtbarkeit</p>	<p>Ancient science Room: 0.17</p> <p>Chair: Stefan Heßbrüggen-Walter</p> <p>1. Peter Sandstad: Aristotle on exceptions in biology 2. Emre Keskin: Epicurus' Scientific Method and Cosmology</p>
12.40–14.00	Lunch				
14.00–15.20	<p>HOPOS: Methods and context (Symposium, Part 1) Room: Auditorium A</p> <p>Chair: Warren Schmaus</p> <p>1. Mary Domski: HOPOS meets Descartes: making old problems new again [cancelled] 2. Menachem Fisch: HOPOS and paradigm shifts of philosophy</p>	<p>Aristotelianism in early modern <i>scientia</i>: Rejected but not forgotten (Symposium, Part 1) Room: Auditorium B</p> <p>Chair: Roger Ariew</p> <p>1. Helen Hattab: Aristotelianism in Service of Atomism? Gorlaeus on Knowledge of Universals 2. Lucian Petrescu: Descartes's Reappraisal of Aristotelian Demonstrative Science</p>	<p>Theories of space between science and metaphysics (Symposium, Part 1) Room: 0.72</p> <p>Chair: Edward Slowik</p> <p>1. Delphine Bellis: Gassendi's Theory of Space: its Genesis and some Aspects of its Reception 2. Vincenzo De Risi: Leibniz on the Parallel Postulate and the Structure of Space</p>	<p>Foundations of mathematics through its history (Symposium, part 1) Room: 1.79</p> <p>Chair: Jessica Carter</p> <p>1. Marco Panza: Remarks on the foundation of classical geometry (from Euclid to Descartes) 2. Paolo Mancosu: Remarks on some foundational aspects of the use of abstraction principles in the nineteenth century</p>	<p>Philosophy of physics Room: 0.17</p> <p>Chair: Marij van Strien</p> <p>1. Nahuel Sznajderhaus: An Historical and Philosophical Account of the Modal Interpretations of Quantum Mechanics 2. Miklos Redei: Hilbert's 6th problem and constructive quantum field theory</p>
15.20–15.50	Coffee Break				
15.50–17.10	<p>HOPOS: Methods and contexts (Symposium, Part 2) Room: Auditorium A</p> <p>Chair: Warren Schmaus</p> <p>3. Jutta Schickore: HOPOS: methods and context – contextualization vs. long-term trajectories? 4. Eric Schliesser: Toward a Meaningful HOPOS: Metaphysics, Rediscovered</p>	<p>Aristotelianism in early modern <i>scientia</i>: Rejected but not forgotten (Symposium, Part 2) Room: Auditorium B</p> <p>Chair: Roger Ariew</p> <p>3. Marcus Adams: Materialist Mixed Mathematics: Hobbesian Optics, Natural Philosophy, and Politics 4. Zvi Biener: Substance & Property, System & Relation: Metaphysical Orthodoxy in Newton's Rational Mechanics</p>	<p>Theories of space between science and metaphysics (Symposium, Part 2) Room: 0.72</p> <p>Chair: Delphine Bellis</p> <p>3. Mihnea Dobre: Experimental Cartesianism and the problem of space 4. Edward Slowik: Between Newton and the Neo-Kantians: The Evolution of Absolute and Relational Space in 18th and 19th Centuries</p>	<p>Foundations of mathematics through its history (Symposium, part 2) Room: 1.79</p> <p>Chair: Jessica Carter</p> <p>3. Ralf Krömer: Category theory and matters of trust 4. Paolo Mancosu: Frege's Grundlagen §64 and the mathematical practice of definitions by abstraction in the nineteenth century.</p>	
17.20–18.30	<p>Keynote 2: Cristina Chimisso, 'Philosophies of the normal' Room: Auditorium C Chair: Elisabeth Nemeth</p>				