

HOPOS 2018

University of Groningen

9-12 July 2018

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Organization

HOPOS

Officers

Helen Hattab, *University of Houston*
(President)
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(Vice-President)
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Matthew J. Brown, *University of Texas – Dallas* (Treasurer)

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Cristina Chimisso, *The Open University*
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Program Committee

Kant and Before

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Delphine Bellis, *University of Montpellier*
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Daniel Sutherland, *University of Illinois at Chicago*

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Cristina Chimisso, *Open University*
Alexander Klein, *California State University, Long Beach*
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Paul Ziche, *Utrecht University*

Local Organizing Committee

Martin Lenz (chair)
Han Thomas Adriaenssen
Laura Georgescu
Leah Henderson
Jan-Willem Romeijn
Doina-Cristina Rusu
Andrea Sangiacomo

General Information

Welcome Reception

The welcome reception takes place at City Hall, Grote Markt 1. The reception is offered to you by the University of Groningen, the City of Groningen, and the Province of Groningen.

Conference venue

All conference sessions take place in the Harmony Building:

Harmony Building

Oude Kijk in Het Jatstraat 26

Parallel sessions will be held in the following rooms:

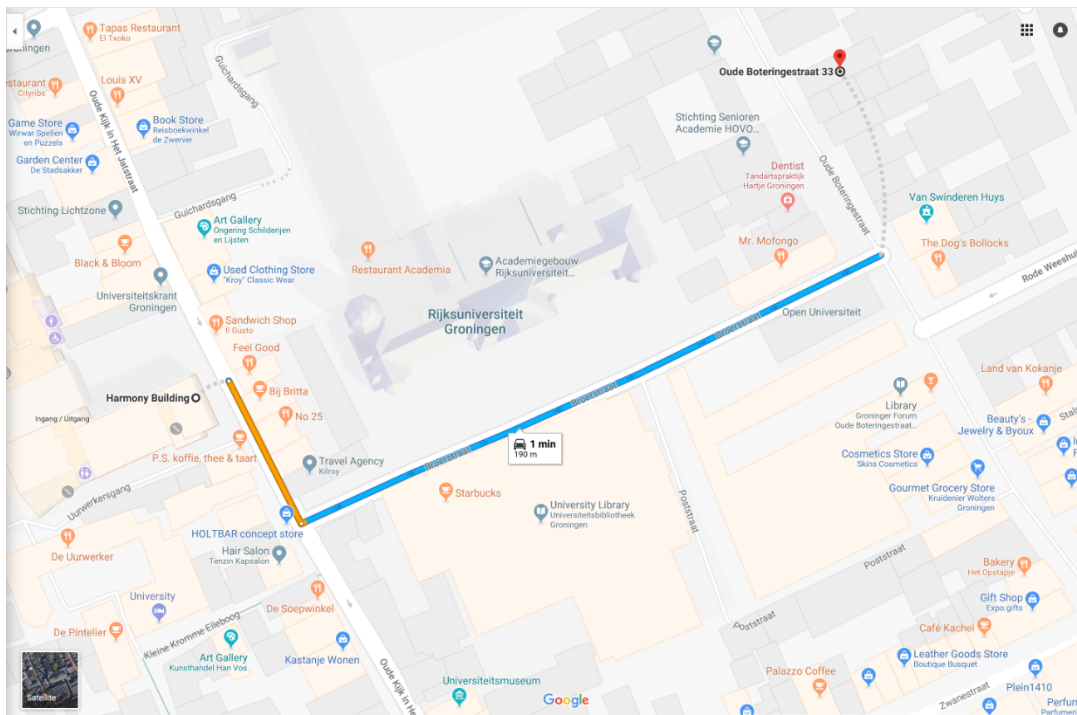
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Keynote lectures take place in the Baptist Church in Oude Boteringestraat 33. The church is a three-minutes walk away from the Harmony Building:



Sessions

- Each presenter has 30 minutes in total:
 - 20 minutes for the presentation
 - 10 minutes for discussion.
- Eduroam is available in all rooms.
- All rooms are equipped with standard ICT facilities.
- We recommend that those using ppt load their presentations before their session begins. Session chairs will arrive early to coordinate with speakers.

Registration and Book Tables

Registration is open at the following times:

July 9 - 16.00-18.00 Harmony Building

July 10 - 8.30-11.30 Harmony Building

July 11 - 8.30-11.30 Harmony Building

At registration, you will receive a welcome package, name tag and programme. Please wear your name tag at all times during the conference.

You will find the publishers exhibiting at HOPOS 2018 in PLEASE ADD. Exhibiting publishers include PLEASE ADD.

Lunch and Coffee breaks

Coffee and Lunch are served in the Canteen of the Harmony Building.

Banquet

The conference banquet takes place at [Harbour Café](#) (address: Voor Het Voormalig Klein Poortje 10-11), which is located at a 15 minutes distance on foot from the Harmony Building (the main conference venue). The menu will include 8 courses, inspired on both Western and Lebanese cuisines, and a wide selection of beers and drinks.

Plant-based food

The HOPOS 2018 conference adheres to the [#PlantPoweredCommunity](#) campaign and will offer plant-based food throughout the event. Food served at lunches, coffee breaks and at the banquet will be entirely vegan. Some dishes offered during the banquet will include non-vegan components, which will be clearly identified and vegan versions of the same dishes will be available. If you have specific dietary restrictions or need to consume non-vegan food, please express your preferences in the registration form.

Map: from the Harmony Building to the Harbour Café



Mentoring Program

The goal of the HOPOS 2018 mentoring program is to help junior scholars to receive feedback on their paper. Mentees are matched with a mentor in their field of research, who will give advice on how to turn their HOPOS conference paper into a writing sample for job applications and/or a paper to be submitted to a journal.

Mentors and mentees can meet at the following times and locations:

- July 9 between 16:30 and 18:00 in the Canteen of the Harmony Building
- July 10 and July 12 during lunch, in one of the following rooms:

1312.007

1312.013

1312.019

1312.025

Maps Harmony Building

Restaurants

Program

I. HOPOS Readings of Du Châtelet (CP)

Andrew Janiak, *Duke University*. Metaphysics and Method in Emilie Du Châtelet (8)

Adriana Solomon, *University of Southern California*. Émilie Du Châtelet's Contribution to the Metaphysics of Forces. (218)

Prunea Bretonnet, *University of Bucharest*. Émilie du Châtelet and Christian Wolff on Hypothesis and the Foundations of Physics (153)

II. Rudolf Carnap's Professional Correspondence (S)

Christian Damboeck, *University of Vienna*. The Development of Carnap's *Aufbau* as Illustrated by the Correspondence and the Diaries (72)

Adam Tuboly, *Hungarian Academy of Sciences*. The 1940-45 Neurath-Carnap correspondence and its philosophical significance (74)

Firstname Werner, *Affiliation* Before the analytical turn: Rudolf Carnap's way into politics, 1908-1920 (71)

Johannes Friedl, *University of Graz*. The roots of Carnap's "Testability and Meaning" in the Vienna Circle's Protocol Sentence Debate (73)

III. Scientific Method (CP)

Klodian Coko, *Western University*. The Method of Hypothesis in the 19th Century: Whewell, Mill, Herschel, Jevons, and Peirce on the Consilience Criterion (195)

Yafeng Shan (*Durham University*) and **Jonathon Hricko** (*Yang-Ming University*). Davy on Analogical Reasoning (67)

Jamie Shaw, *Western University*. Duhem on Good Sense and Theory Pursuit (65)

David Kristinsson, *Humboldt University Berlin*. The relationship of early German-speaking sociology to philosophy (164)

IV. Mind and Psychology (CP)

Jeremy Dunham, *Durham University*. Condillac's Changing Mind (75)

Deborah Brown, *University of Queensland*. Lessons from Sherrington: what a theory of consciousness should tell us about pain (64)

Matthias Neuber, *University of Tübingen*. What We Talk About When We Talk About THIS Being Blue - C. I. Lewis and R. W. Sellars on the Object of Perception (114)

James Brian Pitts, *University of Cambridge*. The Mind-Body Problem and Conservation Laws: An Outline in Light of the Growth of Physical Understanding (163)

V. Newtonian HOPOS (CP)

Zvi Biener, *University of Cincinnati*. Newton's Rule 3 is Less Complicated than You Think: It's A Rebuke of Huygens and a Defense of Simple Induction (102)

Patrick Connolly, *Lehigh University*. Locke, Newton, and Demonstration in Natural Philosophy (91)

Jip van Besouw, *Vrije Universiteit Brussel*. Moral necessity as 's Gravesande's argument for the knowability of the natural order (14)

VI. Popperian HOPOS (CP)

Nathan Oseroff, *King's College London*. Don't be a Demarc-hater. Correcting Popular Misconceptions of Popper's Demarcation Criterion and Demarcation Problem (2)

Jitka Paitlova, *University of West Bohemia*. Kantian Roots of Karl Popper's Scientific Methodology (24)

Matteo Collodel, *Humboldt University Berlin*. Popperian Roots of Feyerabend's Theoretical Pluralism (238)

VII. The History of logic Revisited (S)

Francine Abeles, *Kean University*. Proof Transformations in the Work of Charles L. Dodgson and Christine Ladd-Franklin (273)

Andrea Reichenberger, *Paderborn University*. Wilma Papst on Frege (274)

Anna-Sophie Heinemann, *Paderborn University*. Marie Deutschbein's and Walther Brand's 'Introduction into the Philosophical Foundations of Mathematics' (275)

VIII. History and Philosophy of the Life Sciences I (CP)

Mazviita Chirimuutta, *University of Pittsburgh*. Constructing the Organism in the Age of Abstraction (183)

Jessica Williams, *University of South Florida*. Kant and the Science of Empirical Schematism (10)

Anna Frammartino Wilks, *Acadia University*. Kant's Reciprocal Causality and the Problem of Holobionts (187)

IX. Early Modern Science and Mathematics (CP)

Mihnea Dobre, *University of Bucharest*. Mathematical controversies around Cartesianism: Clerselier, Fermat, Rohault (243)

Laura Georgescu, *University of Groningen*. Dipping needles and rotating poles: What a mistaken solution tells us about legitimate and illegitimate uses of mathematics in natural philosophy (112)

Sylvia Pauw, *University of Amsterdam, University of Ghent*. Mathematical vs. logical necessity: the case of Bernard Nieuwentijt (129)

X. Mach and Gödel (CP)

Michael Heidelberger, *University of Tübingen*. The parting of the ways of two Fechnerians: Wundt's and Mach's philosophy of science compared (234)

Mirja Hartimo, *University of Jyväskylä*. Gödel, Skolem, and Husserl's Crisis (31)

XI. The evolution of notations in mathematical practice (S)

David Waszek, *Pantheon Sorbonne University, IHPST*. From notational change to substantial discovery: Leibniz, Bernoulli, and the exponential notation for differentials (150)

Emmylou Haffner, *Bergische Universität Wuppertal*. The secret life of notations: what mathematical drafts tell us about choosing and changing notations? (122)

Dirk Schlimm, *McGill University*. The evolution of notations for the algebra of logic (236)

XII. History and Philosophy of the Life Sciences II (CP)

Lydia Azadpour, *KU Leuven*. The Concept of Species in Schelling's Philosophy of Nature (179)

Emily Herring, *University of Leeds*. Henri Bergson's Biological Theory of Knowledge (93)

Charles Pence, *Louisiana State University*. Chance, Statistics, and Experiment in Early Evolutionary Biology (29)

XIII. Early Modern Natural Philosophy I (CP)

Paolo Rossini, *Scuola Normale Superiore di Pisa*. New Theories for New Instruments: Fabrizio Mordente's Proportional Compass and The Genesis of Giordano Bruno's Atomist Geometry (141)

Flavia Marcacci, *Pontifical Lateran University*. G.B. Riccioli's Use of 'Epicycles' and Spirals (46)

Robert Disalle, *Western University*. The relativity of motion and the mathematical method of Newtonian physics (229)

Oana Lidia Matei, *Vasile Goldis University*. Universal spirit and particles: John Evelyn's matter theory in *Elysium Britannicum* (41)

XIV. History of Mathematics I (CP)

Iulia Mihai, *Ghent University*. Leonhard Euler on vibrations and the general solution to the problem of the string (177)

Henning Heller, *University of Vienna*. The Hypergalois Programme of Felix Klein 937)

Valérie Lynn Therrien, *Western University*. The axiom of choice and the road paved by Sierpinski (62)

Miklos Redei, *London School of Economics*. Kolmogorov's solution (1933) of the Borel Paradox (1909) (128)

XV. Kuhn and Revolutions (CP)

Warren Schmaus, *Illinois Institute of Technology*. Cournot and Renouvier on Scientific Revolutions (28)

Jeremy Burman, *University of Groningen*. Jean Piaget's unpublished causality manuscripts: An archival discovery complexifying the Kuhn connection (136)

Josef Moural, *UC Berkeley*. Microrevolutions in Thomas Kuhn's Structure: how much revision do they require? (203)

Ohad Reiss Sorokin, *Princeton University*. The Integration and Disintegration of the History and Philosophy of Science in Princeton University, 1961-1981 (264)

XVI. Kant and Hegel (CP)

Edward Slowik, *Winona State University*. Kant's Pre-Critical Monadology and Leibniz: Ubeity, Monadic Activity, and Idealist Unity (95)

Bennett McNulty, *University of Minnesota*. Beyond the Metaphysical Foundations of Natural Science: Kant's Empirical Physics and the General Remark to the Dynamics (90)

Paolo Pecere, *University of Cassino and Southern Lazio*. Kantianism and organisation of the Mind. A Neglected Aspect of Kant's Legacy in 19th Century Physiology of Mind (79)

Zeyad El Nabolsy, *Cornell University*. Hegel's Proto-Modernist Conception of Philosophy as a Science (5)

XVII. Causation (CP)

Michael Jaworzyn, *KU Leuven*. Eleatic Occasionalism: Descartes, Geulincx, and Langenhert on Causation (193)

Laurynas Adomaitis, *Scuola Normale Superiore di Pisa*. Cause and Effect in Leibniz's *Brevis demonstratio* (27)

XVIII. History of Mathematics II (CP)

Michael Stoeltzner, *University of South Carolina*. Formal teleology and geometrization: The Principle of least action in the early 1900s (184)

Anna-Sophie Heinemann, *University of Paderborn*. De Morgan on Barrett and Tetens: a British-Continental analogy in the history of statistic thinking? (142)

Vincenzo De Risi, *SPHERE, CNRS*. From Definitions to Axioms: The Meaning of Geometrical Principles from Euclid to Hilbert (44)

XIX. Wiener Kreis (CP)

Gergely Ambrus, *Eötvös Loránd University*. Carnap and Wittgenstein on psychological sentences: 1928-1932. Some further aspects of the priority dispute over physicalism (233)

Fons DeWulf, *Ghent University*. Shifts in Hempel's Logic of Science (123)

Zinaida Sokuler, *Lomonosov Moscow State University*. Wittgenstein's philosophy of mathematics in the context of philosophy of science: an engineering approach (255)

XX. Ancient HOPOS (CP)

Viktor Blåsjö, *Utrecht University*. A constructivist interpretation of Euclid's principle of superposition (25)

Tiberiu Popa, *Butler University*. Aristotle on Environmental Causation (40)

Jacqueline Feke, *University of Waterloo*. Ptolemy on Nature (56)

XXI. Redefining action at a distance through corpuscularianism (S)

Rodolfo Garau, *Bard College Berlin*. Gassendi vs Astrology. Corpuscularism and Action at a Distance in Early Modern France (178)

Ian Lawson, *Humboldt University Berlin*. Good Vibrations: Mechanical Optics at a Distance (211)

Doina Rusu, *University of Groningen*. Matter in Motion. Francis Bacon on Action at a Distance (168)

XXII. Structuralism avant la lettre (S)

José Ferreirós, *University of Seville*. Structuralism avant Dedekind? (121)

Georg Schiemer, *University of Vienna*. Transfer principles and Klein's group-theoretic structuralism (260)

María De Paz, *University of Seville*. The double origin of Poincaré's conventionalism: methodological structuralism and hypothetical-deductive method (120)

XXIII. Realism and anti-realism (CP)

Helmut Heit, *Tongji University*. Debunking Knowledge: Nietzsche's Role in the History of Relativism (15)

Tarun Jose Kattumana, *KU Leuven*. Husserlian Phenomenology and Scientific Realism (96)

Emily Thomas, *University of Durham*. British Idealism and Science: May Sinclair on Spacetime (7)

XXIV. Historical Thought in German Neo-Kantianism (S)

Hamid Nabeel, *University of Pennsylvania*. Law and Structure in Dilthey's Philosophy of History (32)

Katharina Kinzel, *University of Vienna*. Heinrich Rickert, the historical sciences, and the autonomy of philosophy (33)

Scott Edgar, *Saint Mary's University*. Hermann Cohen on history and the universal validity of knowledge (241)

XXV. Early Modern Natural Philosophy II (CP)

Daniel Schwartz, *American University in Bulgaria*. Demonology Naturalized: The Baconian Roots of Joseph Glanvill's Inquiry into Witchcraft (94)

Laura Rediehs, *St. Lawrence University*. Resisting the Mechanization of Nature (185)

Dana Jalobeanu, *University of Bucharest*. From objects of wonder to "perceptive instruments." The mathematization of natural magic (176)

Kathleen Creel, *University of Pittsburgh*. 'There must be a tub to amuse the whale': Joseph Black's Methodology Reconsidered (227)

XXVI. What are Implicit Definitions? (S)

Marco Giovanelli, *University of Tübingen*. Debunking the Myth. Einstein on Implicit Definitions (101)

Georg Schiemer (*University of Vienna*) & Eduardo Giovannini (*CONICET*). Implicit definitions and the development of modern axiomatics (54)

Francesca Biagioli, *University of Vienna*. Federico Enriques and the philosophical background to the discussion of implicit definitions (55)

Paola Cantù, *Aix-Marseille University*. The role of implicit definitions in the Peano School (58)

XXVII. Historiography (CP)

Maria Del Rosario Martinez-Ordaz, *UNAM*. Understanding inter-theoretic contradictions and the many lives of historical reconstructions (126)

Cristina Chimisso, *Open University*. Science in the making: Hélène Metzger and disciplinary history (13)

Christophe Malaterre, *UQAM*. Philosophy of Science, the Journal. A Full-text Topic Modelling Analysis 1934-2014 (191)

Eugenio Petrovic, *University of Milan*. Citation Analysis as a Tool to Study the Recent History of Analytic Philosophy (240)

XXVIII. Pragmatism in the Philosophy of Science (S)

David Stump, *University of San Francisco*. Poincaré Read as a Pragmatist (245)

Lydia Patton, *Virginia Tech*. Pragmatism and the Analytic (246)

Don Howard, *University of Notre Dame*. Quine, Dewey, and the Pragmatist Tradition in American Philosophy of Science (61)

XXIX. Early Modern Life Sciences (CP)

Ronald Duran, *Playa Ancha University*. Beyond the Clock as a Model of Living Beings: Leibniz's Distinction Between Natural and Artificial Machines (115)

Christopher Noble, *Villanova University*. Leibniz on the Instincts of Machines of Nature and Souls (225)

Ludovica Marinucci, *University of Cagliari*. Christiaan Huygens and the Animals. Notes on their Role in his Epistemological Considerations on Natural Philosophy (242)

XXX. History and Philosophy of the Natural Sciences I (CP)

Marco Giovanelli, *University of Tübingen*. 'Physics is a Kind of Metaphysics'. On Émile Meyerson's Influence on Einstein's Rationalistic Realism (97)

Ravi Gomatam, *Bhaktivedanta Institute*. Complementarities Beyond Bohr's (221)

Milena Ivanova, *University of Cambridge*. How Atoms Became Real (244)

XXXI. Apriorism (CP)

Martin Strauss, *University of Vienna*. The reception of Durkheim's sociological theory of the a priori in France and Germany, 1900s-1930s (131)

Tatiana Sokolova, *RAS Institute of Philosophy*. Positivist approach towards history of the a priori (50)

Bianca Crewe, *University of British Columbia*. What Use Can the Relativized a priori Be to Feminist Philosophy of Science? (107)

XXXII. Dewey and Peirce (CP)

Parysa Mostajir, *University of Chicago*. Science as a Practice of Enrichment: Dewey's Philosophy of Science (215)

Matthew Brown, *University of Texas at Dallas*. John Dewey on Values in Science: Four Theses (220)

Claudia Cristalli, *University College London*. Abstraction and generalization in Charles S. Peirce's graphical logic. A study from the context of nineteenth-century scientific practice (239)

XXXIII. Animism and its Discontents (S)

Boris Demarest, *University of Amsterdam*. Soul as Nature: the naturalist animism of Van Helmont and Stahl (180)

Chris Meyns, *Utrecht University*. Cavendish on why all of nature's parts are animate

Jonathan Regier, *Ghent University*. Ambiguity and Universality: Cardano's Philosophy of the Soul (188)

Paolo Pecere, *University of Cassino and Southern Lazio*. 'Stahl was often closer to the truth': Kant on animism, monadology and hylozoism (169)

XXXIV. History and Philosophy of the Natural Sciences II (CP)

Andreea Esanu, *University of Bucharest*. Auguste Comte and J. S. Mill on the question of physical causes: the case of Joseph Fourier's theory of heat (78)

Carlo Ierna, *University of Groningen*. Infinite probability: Brentano's justification of physics (214)

Iulian Toader, *University of Salzburg*. On von Neumann's Use of Hankel's Principle of Permanence of Forms (16)

Daniel Kuby, *University of Konstanz*. Feyerabend's re-evaluation of scientific practice: The 1957 Colston Research Symposium in Bristol and its consequences (137)

XXXV. Towards a computational history of philosophy and science (S)

Andrea Sangiacomo, *University of Groningen*. Three kinds of narratives in the history of early modern philosophy and the case for digital fictions (100)

Ariana Betti (*University of Amsterdam*) and **Hein van den Berg** (*University of Amsterdam*).

Bolzano in Ones and Zeros: A quantitative study in 19th century philosophy of mathematics (232)

Frencesca Rebasti (*EHESS*) & **S. Heiden**. Hobbes's Mechanical Science of Conscience: A Textometric Approach (148)

Dirk van Miert, *Utrecht University*. Digital humanities in studying German Idealism: social network analysis, text mining, and author recognition (192)

XXXVI. Cartesian HOPOS (CP)

Alan Nelson, *UNC-Chapel Hill*. The Activity of Cartesian Matter (208)

David Crippa, *Université Paris 7 - Denis Diderot*. Descartes on the unification of arithmetic and geometry via the theory of proportions (139)

Mattia Mantovani, *Humboldt University Berlin*. 'Per opaca corporis ad Animæ penetralia'. The role of optics in Descartes' metaphysics (202)

Ovidiu Babes, *University of Bucharest*. Physics and Simple Machines Descartes and Roberval (213)

Program Overview

JULY 9

13.30-14.30

Meeting HOPOS Steering Committee

Coffee break

15.00-16.15

Meeting HOPOS Steering Committee

16.30-17.45

Mentoring Program Faculty of Arts

18.00-19.30

Welcome Reception

JULY 10

9-11	<i>I. HOPOS Readings of Du Châtelet</i> <i>Room 1313.309</i> <i>Chair</i>	<i>II. Carnap's Correspondence</i> <i>Room 1312.012</i> <i>Chair</i>	<i>III. Scientific Method</i> <i>Room 1312.018</i> <i>Chair</i>	<i>IV. Mind and Psychology</i> <i>Room 1312.024</i> <i>Chair</i>
	Janiak	Damboeck	Coko	Dunham
	Solomon	Tuboly	Shan & Hricko	Brown
	Purnea Bretonnet	Werner	Shaw	Neuber
		Friedl	Kristinsson	Pitts

11-11.30 COFFEE

11.30 - 13.00	<i>V. Newtonian HOPOS</i> <i>Room 1313.309</i> <i>Chair</i>	<i>VI. Popperian HOPOS</i> <i>Room 1312.012</i> <i>Chair</i>	<i>VII. History of Logic Revisited</i> <i>Room 1312.018</i> <i>Chair</i>	<i>VIII. H-P Life Sciences 1</i> <i>Room 1312.024</i> <i>Chair</i>
	Biener	Oseroff	Abeles	Chirimuuta
	Connolly	Paitlova	Reichenberger	Williams
	Besouw	Collodel	Heinemann	Wilks

13.00-14.30 LUNCH

14.30 - 16.00	<i>IX. Early Modern Science and Maths</i> <i>Room 1313.309</i> <i>Chair</i>	<i>X. Mach and Gödel</i> <i>Room 1312.012</i> <i>Chair</i>	<i>XI. Evolution of mathematical notation</i> <i>Room 1312.018</i> <i>Chair</i>	<i>XII. H-P Life Sciences 2</i> <i>Room 1312.024</i> <i>Chair</i>
	Dobre	Heidelberger	Wascek	Azadpour
	Georgescu	Hartimo	Haffner	Herring
	Pauw		Schlimm	Pence

16.30-18.00 KEYNOTE LECTURE KAREN DETLEFSEN

JULY 11

9-11	<i>XIII. EM Natural Philosophy 1</i> <i>Room 1313.309</i> <i>Chair</i>	<i>XIV. History of Mathematics 1</i> <i>Room 1312.012</i> <i>Chair</i>	<i>XV. Kuhn and Revolutions</i> <i>Room 1312.018</i> <i>Chair</i>	<i>XVI. Kant and Hegel</i> <i>Room 1312.024</i> <i>Chair</i>
	Rossini	Mihai	Schmaus	Slowik
	Marcacci	Heller	Burman	McNulty
	Disalle	Therrien	Moural	Pecere
	Matei	Redei	Reiss Sorokin	El Nabolsy

11-11.30 COFFEE

11.30 - 13.00	<i>XVII. Causation</i> <i>Room 1313.309</i> <i>Chair</i>	<i>XVIII. History of Mathematics 2</i> <i>Room 1312.012</i> <i>Chair</i>	<i>XIX. Wiener Kreis</i> <i>Room 1312.018</i> <i>Chair</i>	<i>XX. Ancient HOPOS</i> <i>Room 1312.024</i> <i>Chair</i>
	Jaworzyn	De Risi	Ambrus	Bläsjo
	Adomaitis	Stoelzner	De Wulf	Popa
		Heinemann	Sokuler	Feke

13.00-14.30 GENERAL BUSINESS LUNCH

14.30 - 16.00	<i>XXI. Action at a Distance</i> <i>Room 1313.309</i> <i>Chair</i>	<i>XXII. Structuralism avant la lettre</i> <i>Room 1312.012</i> <i>Chair</i>	<i>XXIII. Realism and Anti-Realism</i> <i>Room 1312.018</i> <i>Chair</i>	<i>XXIV. Kantianism</i> <i>Room 1312.024</i> <i>Chair</i>
	Garau	Ferreirós	Heit	Nabeel
	Lawson	Schiemer	Kattumana	Kinzel
	Rusu	De Paz	Thomas	Edgar

16.30-18.00 KEYNOTE LECTURE MARTIN KUSCH

19.00 BANQUET

JULY 12

9-11	<i>XXV. EM natural philosophy 2</i> <i>Room 1313.309</i> <i>Chair</i>	<i>XXVI. Implicit definitions</i> <i>Room 1312.012</i> <i>Chair</i>	<i>XXVII. Historiography</i> <i>Room 1312.018</i> <i>Chair</i>	<i>XXVIII. Pragmatism</i> <i>Room 1312.024</i> <i>Chair</i>
	Schwartz	Giovanelli	Martinez	Stump
	Rediehs	Schiemer & Giovannini	Chimisso	Patton
	Jalobeanu	Biagioli	Malaterre	Howard
	Creel	Cantù	Petrovic	

11.-11.30 COFFEE

11.30 - 13.00	<i>XXIX. EM Life Sciences</i> <i>Room 1313.309</i> <i>Chair</i>	<i>XXX. H-P of the natural sciences 1</i> <i>Room 1312.012</i> <i>Chair</i>	<i>XXXI. Apriorism</i> <i>Room 1312.018</i> <i>Chair</i>	<i>XXXII. Dewey and Peirce</i> <i>Room 1312.024</i> <i>Chair</i>
	Duran	Giovanelli	Strauss	Mostajir
	Noble	Gomatam	Sokolova	Brown
	Marinucci	Ivanova	Crewe	Cristalli

13.00-14.30 LUNCH

14.30 - 16.30	<i>XXXIII. Animism</i> <i>Room 1313.309</i> <i>Chair</i>	<i>XXXIV. H-P of the natural sciences 2</i> <i>Room 1312.012</i> <i>Chair</i>	<i>XXXV. Computational History</i> <i>Room 1312.018</i> <i>Chair</i>	<i>XXXVI. Cartesian HOPOS</i> <i>Room 1312.024</i> <i>Chair</i>
	Demarest	Esanu	Sangiaco	Nelson
	Meyns	Ierna	Betti & van den Berg	Crippa
	Regier	Toader	Rebasti & Heiden	Mantovani
	Pecere	Kuby	van Miert	Babes

