

HOPOS 2004 Schedule

Thursday, June 24 PM

1:00 Welcome & Official Opening (room 148)

1:30-4:30 Parallel Sessions

Symposium (room 148): **Hans Reichenbach and the Axiomatization of Relativity Theory: Historical and Theoretical Perspectives**

Flavia Padovani, "On the Development of Reichenbach's Axiom of Connection/Axiom of Coordination Distinction."

Thomas A. Ryckman, "The Absence of an Affinity in Reichenbach's Logical Analysis of General Relativity."

Tilman Sauer, "Hans Reichenbach on Distant Parallelism Geometry"

Katherine Brading - Chair

Session 1 (room 141): **Early Modern Scientific Method**

Daniele Cozzoli, "Analysis And Synthesis In Descartes' Method"

Eric Schliesser, "Berkeley's Response To Newton"

Saul Fisher, "Gassendi's *regressus* Method and the Barometry and Vacuum Experiments"

William L. Vanderburgh, "Non-Pascalian Probability Before Bacon—And After"

Cassandra Pinnick - Chair

Session 2 (room 100): **19th Century Influences on the Philosophy of Science**

Jean Leroux, "On the Neogrammarians' Revolution in Linguistics"

Trevor Pearce: "Tonal Categories and Tonal Functions – Hugo Riemann's Kantian Psychology"

Warren Schmaus, "Was Renouvier a Positivist or a Spiritualist?"

David Sullivan - Chair

Session 3 (room 140): **20th Century Philosophy Science I**

Anastasios Brenner, "Bachelard and Kuhn on Rational Criteria"

Angela Potochnik, "The Shift in Wittgenstein's Position on Syntax"

Chris Pincock, "From Philosophy to Psychology and Back: The Role of Richard Semon in Russell's *Analysis of Mind*"

Mathieu Marion, "A New Look at Wittgenstein on the Surveyability of Proofs"

Anya Plutynski - Chair

4:30-5:00 Break (coffee and tea)

5:00-6:15 **Plenary Session** (room 148):

Daniel Garber, "Whither Paradigms?"

Ernan McMullin - Moderator

6:30-8:00 Reception (room 100)

Friday, June 25 AM

8:00-9:00 Continental Breakfast (room 141)

9:00-12:00 Parallel Sessions

Symposium (room 148): **Finding Reconciliation: Science, Religion, and Method in the Nineteenth Century.**

Peter M J. Hess, "Evolution: The Range of Responses in Late Nineteenth-Century England and America"

Patrick McDonald, "Accommodating Naturalistic Method and Anti-Naturalistic Worldviews: Lotze and Fechner."

Michael Heidelberger, "Emile Boutroux on Science and Religion"

Robert J. Deltete, "Pierre Duhem's 'Physique de Croyant'"

Ernan McMullin - Chair

Session 1 (room 141): **Early Modern Science**

Adam R Shapiro, "Two Hypotheses of Cartesian Will"

Júlio Vasconcelos, "Galileo against 'Circular Inertia'"

Kathryn Morris, "Dynamics and the Limits of Hobbesian Geometry"

Luis Miguel Carolino: 'De Auxiliis' and the Molinist Account of Nature

Joseph C. Pitt - Chair

Session 2 (room 100): **Philosophy of Mathematics**

Audrey Yap, "Congruences and Quadratic Reciprocity"

Dirk Schlimm, "Axiomatics and Discovery in 20th Century Philosophy of Science and Mathematics"

Michel Serfati, "Some Elements for a Philosophy of Contemporary Mathematics"

Yvon Gauthier, "Hermann Weyl on Riemannian Geometry"

Jean Leroux - Chair

Session 3 (room 140): **The Vienna Circle**

Alexis Bienvenu, "Objectivity and Subjectivity in Reichenbach's Theory of Probability"

Nader Vossoughian, "Otto Neurath and Josef Frank: Logical Positivism and Aesthetics of Anonymity"

Uijana Feest, "Science and Experience/Science of Experience: Gestalt Psychology in the *Aufbau*"

Thomas Ryckman - Chair

Friday, June 25 PM

12:00-1:30 Lunch Break
[Steering committee meetings]

1:30-4:30 Parallel Sessions

Symposium (room 148): **Moritz Schlick, Albert Einstein, and the Early History of Logical Empiricism**

Matthias Neuber, "Einstein (?), Störing, Schlick:
What happened in Zurich in 1909?"

Michael Heidelberger: "From Neo-Kantianism to Critical Realism and Positivism:
Riehl and Schlick on the Mind-Body Problem "

Don Howard, "Schlick, Einstein, and the Role of Convention in
Space-Time Physics."

Thomas A. Ryckman, "Schlick, Helmholtz, and 'Geometry and Experience.'" "
Chris Pincock - Chair

Symposium (room 141): **Newton the Philosopher**

Mary Domski, "Practice meets Ontology: Newton's Historical
Philosophy of Geometry"

Andrew Janiak, "Newton's Dynamical Challenge to the Mechanical Philosophy"

George Smith, "Newton's Empirical Challenge to the Mechanical Philosophy"

R. Lanier Anderson - Chair

Session 3 (room 140): **Popper and Lakatos**

Stefania Jha, "Popper Transcended – The Lakatos – Polanyi Connection"

Stefano Gattei, "Karl Popper's Philosophical Breakthrough"

William M. Shields: "Karl Popper's Quantum Ghost"

Yuann, Jeu-Jenq, "Lakatos, A Methodologist of Research Programmes or
A Philosopher of Political Practices?"

Peeter Muursepp - Chair

4:30-5:00 Break (coffee and tea)

5:00-6:15 **Plenary Session** (room 148):

Bernadette Bensaude-Vincent, "Chemistry in the French Tradition of
Philosophy of Science"

Saul Fisher – Moderator

Saturday, June 26 AM

8:00-9:00 Continental Breakfast (room 141)

9:00-12:00 Parallel Sessions

Symposium (room 148): **Vienna-Prague-Harvard: Philipp Frank, Logical Empiricism and Science in a Changing World.**

Veronika Hofer, "Philipp Frank in Prague: A Portrait of a Scientist-Philosopher as a Young Man."

Michael Stöltzner, "From Vienna Indeterminism to Copenhagen Complementarity."

George Reisch, "Philipp Frank, J. Edgar Hoover, the Cold War Depoliticization of Logical Empiricism."

Greg Frost-Arnold - Chair

Symposium (room 141): **Induction - Aristotle to Mill**

Cassandra Pinnick, "Two Problems of Induction and Bacon's Failed Claim to Fame"

Rose-Mary Sargent, "Science in the Public Interest: The Relationship between Baconian Induction and the Common Good"

Abraham S. Roth, "The Necessity of Necessity: The Significance for Hume of the Idea of Necessary Connection"

Godfrey Guillaumin "What is "modern" in the seventeenth-century idea of evidence?"

Warren Schmaus - Chair

Session 1 (room 100): **18th Century Science**

Eric Palmer, "The Further Adventures of Pangloss"

Giora Hon, "Kant and Incongruent Counterparts: Missing the Modern Concept of *Symmetry*"

Predrag Sustar, "Kant's Operationalism on the Organism Concept"

Ravi Gomatam - Chair

Session 2 (room 140): **History of Math**

K.A. Brading and T.A. Ryckman, "Hilbert's Second Communication on the Foundations of Physics"

Martin Neumann, "Measuring the Uncertain: A Theory of Single Case Probabilities"

William Goodwin, "Syntheticity and Generality in Kant's Philosophy of Geometry"

Michel Serfati - Chair

Saturday, June 26 PM

12:00-1:30 Lunch Break
[Steering committee meeting]

1:30-4:30 Parallel Sessions

Symposium (room 148): **Oral History and History of Philosophy of Science**
Richard Creath
Kevin Grau
Sally Smith Hughes
Saul Fisher- Moderator

Session 1 (room 141): **19th Century Philosophy of Science**
David Hyder, “Kant, Helmholtz and the Determinacy of Physical Theory”
David K. Nartonis, “19th-Century Spiritualism and the
American Response to Locke, 1852 to 1875”
Justus Lentsch, “Logical Principles and Psychophysical Laws: C. S. Peirce’s
Pragmatism and the Logical Basis of Psychology”
Shaul Katzir, “From Reduction to Unified Formalism: The Changing Aims of
Duhem's Early Thermodynamic Theories”
William Goodwin - Chair

Session 2 (room 100): **Philosophy of Quantum Mechanics**
Gregor Schiemann, “Werner Heisenberg’s Position on a Hypothetical Conception
of Science as Expressed in his Popular Speeches and Writings”
Melanie Frappier, “Heisenberg's Changing Perspectives on the
Indeterminacy Principle”
Ravi Gomadam, “Complementarity—Did Bohr Miss the Boat?”
Scott Tanona, “Quantum theory and the Correspondence Principle”
Tim Preston - Chair

Session 3 (room 140): **Quine**
Gary Hardcastle – “Quine’s Early Arguments Concerning Analyticity”
Greg Frost-Arnold, “Carnap, Tarski, and Quine’s Year Together:
Logic, Science, and Mathematics”
Jonathan Tsou, “Reexamining the Roots of the Naturalist Turn in Philosophy of
Science:
An Argument Against ‘Epistemology Naturalized’”
Robert Sinclair, “The Challenges of American Naturalism:
Quine and the Columbia Naturalists”
Menachem Fisch - Chair

4:30-5:00 Break (coffee and tea)

5:00-6:15 **Plenary Session** (room 148):
Alan Richardson, “Reconstructing Carnap:
Historiographic Issues Illustrated by Example”
Don Howard - Moderator

7:30 Banquet (room 100)

Sunday, June 27 AM 9:00-12:00

8:00-9:00 Continental Breakfast (room 141)

9:00-12:00 Parallel Sessions

Symposium (room 148): **Political Theories of Science**

Don Howard, "Scientific Objectivity as 'Socially-Organized Experience':
Early Marxist Debates about the Social Character of Scientific
Knowledge."

Thomas Uebel, "Political Philosophy of Science in Logical Empiricism"

Heather Douglas, "Robert Merton and the Ethos of Science"

Gary Hardcastle - Chair

Session 1 (room 141): **Leibniz**

Andreas Blank, "Leibniz and the Transformation Theory of Animal Generation
in Early Modern Aristotelianism"

Edward Slowik, "The (Meta)Physics of Leibnizian Space,
Relational Motion, and Force"

Jeffrey K. McDonough, "Leibniz on 'Internal' Teleology and the Laws of Optics"

Michael Futch, "Leibniz on the Possibility of an Infinite Past"

William Vanderburgh - Chair

Session 2 (room 100): **20th Century Science II**

Anya Plutynski, "The Fate of Evolution as an Historical Science"

Leo Napinen, "Philosophical Interpretation of Ilya Prigogine's Theories"

Peeter Muursepp, "The Arrow of Time: From Boltzmann to Prigogine"

Michael Heidelberger - Chair

Session 3 (room 140): **20th Century Philosophy Science II**

Henk W. de Regt, "Scientific Realism In Action:

Molecular Models And Boltzmann's 'Bildtheorie'"

Matthew D. Lund, "Toward a Conceptual Meteorology:

Finding the Laws Governing the Cloud of Conjecture and Confusion"

Torsten Wilholt, "Lost on the Way from Frege to Carnap:

How the Philosophy of Science Forgot the Applicability Problem"

Michael Heidelberger - Chair