



International Conference

**NEW DIRECTIONS
IN THE PHILOSOPHY OF SCIENCE**

October 17-20, 2012
Bertinoro Conference Centre
(University of Bologna)

Wednesday October 17

EVENING LECTURE

21:00 **Patrick Suppes** (*Stanford University*)
 Future Role of Computation in Science and Society

Thursday October 18

9:00-9:15 Opening addresses

**I SESSION - TEAM A: NEW DIRECTIONS FOR THE USE OF
FORMAL METHODS IN PHILOSOPHY OF SCIENCE**

9:15-9:45 **Hannes Leitgeb** (*University of Munich*)
 A New Lottery Paradox for Counterfactuals

9:45-10:00 **Staffan Angere** (*University of Lund*)
 Commentary

10:00-10:15 Discussion

10:15-10:45 **Thomas Müller** (*Utrecht University*)
 New Directions for the Metaphysics of Science:
 Towards a Formal Account of Substance

10:45-11:00 **Barbara Vetter** (*Humboldt University, Berlin*)
 Commentary

11:00-11:15 Discussion

11:15-11:45 Coffee Break

11:45-12:15 **Gregory Wheeler** (*New University of Lisbon; Max
Planck Institute, Berlin*) Explaining the Performance
 of Heuristics Through Causal Models

12:15-12:30 **Ulrike Hahn** (*Cardiff University*) Commentary

12:30-12:45 Discussion

**II SESSION - TEAM C: THE SOCIAL CONCERN ON SCIENCE:
SOCIAL CONSTRUCTIVISM AND REALISM ON THE SOCIAL
SCIENCES**

14:30-15:00 **Wolfgang Spohn** (*University of Konstanz*)
 How Understanding Ontology Properly Might
 Reconcile Realism and Social Constructivism

15:00-15:15 Discussion

15:15-15:45 **Matti Sintonen** (*University of Helsinki*)
 Social Construction – by Whom?

15:45-16:00 Discussion

16:00-16:30 **Daniel Andler** (*University of Paris IV, Paris-
Sorbonne*) Is Social Constructivism Soluble in Critical
 Naturalism?

16:30-16:45 Discussion

16:45-17:00 Coffee Break

17:00-17:30 **David-Hillel Ruben** (*University of London*)
 The Limits of Realism and Irrealism in the
 Philosophies of Mind and Social Science

17:30-17:45 Discussion

17:45-18:15 **Katarzyna Paprzycka** (*University of Warsaw*)
 A Responsibility Approach to the Concept of Action

18:15-18:30 Discussion

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ESF – European Science Foundation
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 History of Science “Federigo Enriques”
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Friday October 19

**III SESSION - TEAM E: CONTEMPORARY RELEVANCE OF
NEGLECTED APPROACHES**

9:15-9:45 **Arthur Fine** (*University of Washington*)
 Instrumentalism Revisited

9:45-10:00 **Michael Stöltzner** (*Bielefeld University; University
of South Carolina*) Commentary

10:00-10:15 Discussion

10:15-10:45 **Anastasios Brenner** (*University Paul-Valéry,
Montpellier III*) Epistemology Historicized: The
 French Tradition

10:45-11:00 **Cristina Chimisso** (*Open University, Milton Keynes*)
 Commentary

11:00-11:15 Discussion

11:15-11:45 Coffee Break

11:45-12:15 **Massimo Ferrari** (*University of Turin*)
 Pragmatism and European Philosophy: The French
 and Italian Connection

12:15-12:30 **Thomas Uebel** (*University of Manchester*)
 Commentary

12:30-12:45 Discussion

JUNIOR PARALLEL SESSIONS

Team A:

14:30-15:00 **Chiara Liscianndra** (*Tilburg University*)
 Disagreement Behind the Veil of Ignorance

15:00-15:30 **Liesbeth De Mol** (*University of Ghent*)
 The Proof Is in the Process. A Preamble for a
 Philosophy of Computer-assisted Mathematics

15:30-16:00 **Peter Brüssel** (*University of Mainz*)
 Rethinking Bayesian Confirmation Theory

Team E:

14:30-15:00 **Uljana Feest** (*Technical University Berlin*)
 The Continuing Relevance of 19th-Century
 Philosophy of Psychology: Brentano and the
 Autonomy of Psychological Investigations

15:00-15:30 **Christoph Limbeck-Lilienau** (*University of Vienna*)
 Kuhn and the Psychology of Insight

15:30-16:00 **Matthias Neuber** (*Tübingen University*) Critical
 Realism in Perspective – From Riehl and Wundt to
 Külpe and the Early Schlick

Team B:

16:00-16:30 **Marie I. Kaiser** (*Köln University*)
 Reductive Explanation in Biology

17:00-17:30 **Raphael Scholl** (*Bern University*)
 Disciplined Pluralism in Scientific Epistemology

17:30-18:00 **Phyllis McKay Illari** (*University of Hertfordshire*)
 Generality and Plurality

Team C:

16:30-17:00 **Obdulia Torres** (*University of Salamanca*)
 Theorems of Impossibility: An Approach from the
 Philosophy of Science

17:00-17:30 **Chiara Ambrosio** (*University College London*)
 Objectivity and Visual Practices in Science and Art

17:30-18:00 **Tarja Knuutila** (*University of Helsinki*)
 The Problem of Reflexivity and the Possibility of
 Constructivist Realism

Team D:

16:30-17:00 **Adam Caulton** (*University of Cambridge*)
 A Humean Alternative on What There Is

17:00-17:30 **Adan Sus** (*University of Barcelona*)
 On the Interpretation of Vacuum Solutions in GR

17:30-18:00 **Petr Svarny** (*Charles University, Prague*)
 The Use of Physics in Other Sciences: Pros and Cons
 of Physics in Logic

Saturday October 20

IV SESSION - TEAM B: SCIENTIFIC PLURALISM

9:15-9:45 **Jean Gayon** (*University of Paris I, Panthéon-
Sorbonne*) The Modern Synthesis: Theory,
 Research Tradition, Discipline, or Something
 Else?

9:45-10:00 **Thomas Reydon** (*University of Hannover*)
 Commentary

10:00-10:15 Discussion

10:15-10:45 **C. Kenneth Waters** (*University of Minnesota*)
 Shifting Attention from Theory to Practice in
 Philosophy of Biology

10:45-11:00 **Mehmet Elgin** (*Mugla University*) Commentary

11:00-11:15 Discussion

11:15-11:45 Coffee Break

11:45-12:15 **Raffaella Campaner** (*University of Bologna*)
 Explanatory Pluralism in Psychiatry: What Are
 We Pluralists about, and Why?

12:15-12:30 **Jeroen Van Bouwel** (*University of Ghent*)
 Commentary

12:30-12:45 Discussion

**V SESSION - TEAM D: WHAT DOES PHYSICS TELL US
ABOUT THE WORLD? NEW IDEAS**

14:30-15:00 **Miklos Redei** (*London School of Economics*)
 The Principle of the Common Cause

15:00-15:15 **Leszek Wronski** (*Jagiellonian University,
Krakow*) Commentary

15:15-15:30 Discussion

15:30-16:00 **Christopher A. Fuchs** (*Perimeter Institute for
Theoretical Physics, Waterloo, Ontario*)
 Quantum Theory, Painted in the Style of QBism

16:00-16:15 **Guido Bacciagaluppi** (*University of Aberdeen*)
 Commentary

16:15-16:30 Discussion

16:30-17:00 Coffee Break

17:00-17:30 **F.A. Muller** (*Utrecht University*)
 Elementary Particles and Metaphysics

17:30-17:45 **Ronnie Hermens** (*University of Groningen*)
 Commentary

17:45-18:00 Discussion

18:00-18:15 Closing remarks
Maria Carla Galavotti (*University of Bologna*)

EVENING LECTURE

21:00 **Huw Price** (*University of Cambridge; University
of Sydney*) Where Would We Be without
 Counterfactuals?

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Bertinoro Conference Centre
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