



**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 Responsibilist Approach to the Concept of Action  
 18:15-18:30 Discussion

**Sponsored by:**

ESF – European Science Foundation  
 Alma Mater Studiorum – University of Bologna  
 CIRESS – Interdisciplinary Centre for Research in Epistemology and  
 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 Liscandra (*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 Coffee Break  
 16:30-17:00 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 Knuuttila (*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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