

Institut Supérieur de Philosophie (UCL)
Académie Internationale de Philosophie des Sciences (AIPS)
Colloque du 26-28 avril 2011
Louvain-la-Neuve

Representation and Explanation in the Sciences

Tuesday 26 April 2011

Morning

09:00 Inauguration

09:30 **Evandro AGAZZI**, Universidad autónoma de México, *Representation and Scientific Realism*

10:15 **Michel GHINS**, Université catholique de Louvain, *Representation and the loss of reality objection*

11:00 Pause

11:30 **Bas van FRAASSEN**, University of San Francisco, *Explaining-How Via Representation*

12:15-13:00 **Stathis PSILLOS**, University of Athens, *Representing is Perspectival, the Represented is not*

Afternoon

15:00 **Alberto CORDERO**, City University of New York, *Explanatory Elucidation and Scientific Realism*

15:45 **Isabelle PESCHARD**, University of San Francisco, *Are Empirical Representations Causally Explained by Phenomena?*

16:30 **Jan FAYE**, University of Copenhagen, *Explanation and Representation back and forth*

17:15 Pause

17:45 **Jure ZOVKO**, Professor, University of Zadar, Croatia, *Hermeneutics as a Form of Representation*

18:15 **Jézus ZAMORA**, Universidad Nacional de Educación a Distancia, Madrid; **Xavier DONATO**, professor, University of Santiago, Spain : *Scientific Explanation and Representation: An Inferentialist Viewpoint*

18:45-19:30 **Mauricio SUAREZ**, Complutense University, Madrid, *Scientific Representation: The Inferential Conception*

Wednesday 27 April 2011

Morning

9:00 **Bernard FELTZ**, Université catholique de Louvain, *Evolutionary Explanations in Biology*

9:45 **Paul WEINGARTNER**, University of Salzburg, *Is there Teleological Order in Nature? –Is there Teleological Explanation in Science?*

10:30 **Erik WEBER**, University of Ghent, *The Role of Mathematics in Physical Explanation*

11:15 Pause

11:45 **Jesús MOSTERIN**, University of Barcelona, *What do Cosmological Models Represent and How do they Explain?*

12:15-13:00 **Hans LENK**, Institut für Philosophie, Karlsruhe, *Methodological Remarks on Dynamic Functional Representation*

Afternoon

15:00 **Jean-Pierre DESCLÉS**, Université de Paris-Sorbonne, *Comment expliquer l'activité de langage par des représentations métalinguistiques ?*

15:30 **Ruggero FERRO**, University of Verona, *Reality, Knowledge of Reality, Representation of the Knowledge of Reality*

16:00 **Daniel VANDERVEKEN**, Université du Québec à Trois-Rivières ; **Cândida de SOUZA MELO**, University of California, Berkeley, *Mental and Physical Causation in Action and the Representation and Explication of Free Will*

16:30-17:00 **Jean Guy MEUNIER**, Université du Québec à Montréal, *Representation: Computational or Hypercomputational*

17:30-19:30

Assemblée Générale de l'A.I.P.S.

Thursday 28 April 2011

Morning

09:00 **Roland OMNÈS**, University de Paris-Sud, Orsay, *Représentation et explication de la mécanique quantique*

09:45 **Gino TAROZZI**, University of Urbino, *Interpretations without Explanations in Quantum Mechanics*

10:30 **Peter MITTELSTAEDT**, University of Cologne, *Explanation of Physical Phenomena by Laws of Nature*

11.15 Pause

11:45 **Mauro DORATO**, University of Rome III, *Can Purely Mathematical Representations of Physical Phenomena be Explanatory?*

12:15-13:00 **Marco BUZZONI**, University of Macerata, *The Agency Theory of Causality and the Problem of Anthropomorphism.*

Afternoon

15:00 **Giuliano Di BERNARDO**, University of Trento, *Explanation in the Social Sciences*

15:45 **Hervé BARREAU**, Université de Nancy, *La représentation et l'explication comme rapports entre théorie et lois dans les sciences*

16.30 Pause

17:00 **Valentin BAZHANOV**, Ulyanovsk State University, Russia, *Abstractions and Scientific Knowledge Representation.*

17:30 **Fabio MINAZZI**, University of Insubria, Varese, *Representation and Explanation in Science in the Opinion of Galileo and Einstein*

18:30 **Itala D'OTTAVIANO**, University of Campinas, Brazil, *Translations between Logical Systems*

18.30 Clôture du colloque