

## WEDNESDAY, 4th of December, 2013

08:00-09:00 Reception to participants at the C6 Hall

09:00-10:40 **Opening Session & Keynote Addresses**  
Room C6.1.36

09:00-09:20 **Opening Session**

Prof. Rogério Gaspar - Vice-Rector of the University of Lisbon

Dr. Ana Almeida - Coordinator of the Scientific Council of Social Science and Humanities of the Portuguese Foundation for Science and Technology

Prof. António Sá Fonseca - Vice-Director of the Faculty of Sciences of the University of Lisbon

Prof. Olga Pombo - Director of the Centre for Philosophy of Sciences of the University of Lisbon

09:20-10:40 **K1. Keynote Addresses**

Chair: Olga Pombo

**Daniel Andler** - *Naturalism in the age of real science*

**Maria José Frapolli** - *Does science seek the truth?*

10:40-11:00 *Coffee break*

11:00-13:20 **Parallel Sessions**

**P1 | Room C6.2.48**

Chair: Gil C. Santos

**P2 | Room C6.2.49**

Chair: Elisa Maia

**P3 | Room C6.2.50**

Chair: Maria Fernanda Palma

**P4 | Room C6.2.52**

Chair: Correia Jesuino

**P5 | Auditorium C1.3**

Chair: Zbigniew Kotowicz

11:00-11:20 **The own goal of philosophy of Science**  
(Roi Bar)

**Mechanisms meet structural explanation**  
(Laura Felling)

**To speak in the name of death. On colonial blind spots, ego-politics of knowledge, and "universal reason"**  
(Marko Stamenkovic)

**Scientific ideas successfully across borders - the big bang in the contemporary imagination**  
(João Barbosa)

**Porque é que as ciências precisam de laboratório? (determinação e indeterminação no âmbito da Filosofia com Ciência)**  
(Fernando Belo)

11:20-11:40 **The Roles of Cognitive and Non-Cognitive Values in the Assessment of Scientific Theories: a Case Study of Evolutionary Psychology**  
(Silvia Iani)

**Pliability and resistance: Feyerabendian insights into sophisticated realism**  
(Luca Tambolo)

**Ethics is a social science**  
(Mark Fedyk)

**Organicist cosmology in the 21st century**  
(Andrea Mazzola)

**Should discussions in philosophy of science ignore (advances in) history of science?**  
(João Paulo Príncipe)

11:00-13:20 Parallel Sessions (cont.)					
	P1   Room C6.2.48	P2   Room C6.2.49	P3   Room C6.2.50	P4   Room C6.2.52	P5   Auditorium C1.3
11:40-12:00	<b>There is no such thing as <i>a priori</i> knowledge that is certain knowledge of incompatibilities</b> (Gaetano Albergò)	<b>The practical structure of scientific revolutions</b> (Erkan Bozkurt and Umut Morkoç)	<b>The Good and the Goods in Philosophical Tradition and Contemporary Ethics</b> (Paulo Sousa Mendes)	<b>The gap between epistemic and institutional practices in multidisciplinary research</b> (Rebecca Kukla and Bryce Huebner)	<b>The idea of ecosystem services and its implications to biodiversity conservation and sustainability</b> (Rodrigo Muniz da Silva)
12:00-12:20	<b>Reductionism, nonreductionism and organism. Methodological quarrels and ontological perspectives</b> (Duarte Gonçalves)	<b>Viability criterion: criticisms and suggestions</b> (Alexandre Coimbra)	<b>Science and ethics: rethinking the relationship under the prism of stem cell research</b> (Carlos Almeida Pereira)	<b>Is Naturalism the Unsurpassable Philosophy of Interdisciplinary Science?</b> (David Budtz Pedersen)	<b>Contributions for the history of the dialogue between art and science in contemporary Portuguese art</b> (Cristina Azevedo Tavares)
12:20-12:40	<b>Can we represent types?</b> (Alex Tillas)	<b>Tennant and the epistemic entrenchment contraction in the AGM model of belief revision</b> (Diego Fernandes and Wagner Sanz)	<b>Technology in Fetal Medicine and Ethics empowering of Man</b> (Marina do Vale)	<b>Towards a deeper understanding of the relation between scientific disciplines and transdisciplinarity: building on the case of Plant Physiology</b> (Jorge Marques da Silva and Elena Casetta)	<b>Why should scientists bother about popularisation of science</b> (Baudouin Jurdant)
12:40-13:00	<b>Biological Function: the usefulness of teleological language in science</b> (Margarida Dias)	<b>Kuhnian theory choice, witnesses, and base rates</b> (Samuel Schindler)			<b>Can we play science? Heuristic strategies of science research</b> (João André Duarte)
13:20-14:50 <i>Lunch break</i>					

14:50-16:50	<b>Symposia</b>				
	<b>S1   Room C6.2.48</b>	<b>S2   Room C6.2.49</b>	<b>S3   Room C6.2.50</b>	<b>S4   Room C6.2.52</b>	<b>S5   Auditorium C1.3</b>
	<b>Imagination and diagrams in scientific discovery</b>	<b>The relevance of Gaston Bachelard's thought today</b>	<b>Causal powers and relational ontology</b>	<b>Understanding and conserving biodiversity</b>	<b>"Science" and Control" in the 21st century. Critical approaches towards techniques, technologies and "enhancements" of the mind</b>
	Symposium organized by Ahti-Veikko Pietarinen (University of Helsinki, Finland)	Symposium organized by Zbigniew Kotowicz (CFCUL, Portugal)	Symposium organized by Rani Lill Anjum (Universitetet for miljø- og biovitenskap, Norway)	Symposium organized by Elena Casetta (CFCUL, Portugal)	Symposium organized by Alexander Gerner (CFCUL, Portugal)
16:50-17:10	<i>Coffee break</i>				
17:10-18:30	<b>K2. Keynote Addresses</b>				
	<b>Room C6.1.36</b>				
	Chair: Jorge Marques da Silva				
	<b>Luciano Boi</b> - <i>Imagination and visualization of geometric and topological forms in space: about some formal, philosophical and aesthetic features of mathematics and physics</i>				
20:30-22:30	<b>Conference dinner at Fábrica Braço de Prata</b>				

**THURSDAY, 5th of December, 2013**

09:00-10:40	Parallel Sessions				
	P6   Room C6.2.48 Chair: Alexandra Van-Quynh	P7   Room C6.2.49 Chair: Fernando Ferreira	P8   Room C6.2.50 Chair: Francisco Salguero	P9   Room C6.2.52 Chair: Nathalie Gontier	P10   Auditorium C1.3 Chair: Alexander Gerner
09:00-09:20	<b>Where do philosophy, depth psychology and quantum physics intersect?</b> (Rui Freire Lucas)	<b>Computational approaches to language learning</b> (Maria Serban)	<b>Scientific representation from an analytic perspective</b> (Robert DiSalle)	<b>The Role of Information Loss in Scientific Explanation</b> (Joseph Bernal and Crisol Escobedo)	<b>Image: the desire of seeing</b> (Isabel Nogueira)
09:20-09:40	<b>Reconciling ontic and epistemic constraints on mechanistic explanation, epistemically</b> (Dingmar van Eck)	<b>Contextual values as necessity in bioinformatic systems</b> (Aaron Alvarez)	<b>Metaphysics and Science: with or without? - Clearing up for an inclusive disjunction</b> (Nuno Fonseca)	<b>Are scientific thought experiments objects of fiction?</b> (Fernando Rua)	<b>Microscopy, Micrographs and Texts – Of Images as Decisive Evidence</b> (Maria Strecht Almeida)
09:40-10:00	<b>The paradox of perceiving time: A philosophical and psychological approach</b> (Teresa Pedro)	<b>The ways of probable truth</b> (Dinis Pestana and Fernando Sequeira)	<b>Measurement and the problem of coordination: a defense of Van Fraassen's solution</b> (Sergio Gallegos)	<b>Are there <i>a priori</i> causal models in evolutionary theory?</b> (Guillaume Schlaepfer)	<b>Nineteenth century medical photography: a collaboration between physicians and photographers</b> (Maria Estela Jardim)
10:00-10:20	<b>The folk-epistemology competence and its principle</b> (María G. Navarro)	<b>On the structure of ill-structured problems: An empirical study on the development of an HIV vaccine</b> (Muriel Pádua and Luis Custódio)	<b>About scientific and metascientific models as abstract objects and their semiotic elucidation</b> (José L. Falguera)	<b>Properties as World-Lines: How Fictional Models Are Related to Target Systems</b> (Matthieu Gallais)	<b>The Beauty of Physics in Berenice Abbott's Photographs</b> (Mariana Valente)
10:20-10:40	<b>Empiricists and theorists. Limits in unification of scientific theories</b> (José Félix Costa)				
10:40-11:00	<i>Coffee break</i>				

11:00-12:20 Parallel Sessions					
	<b>P11   Room C6.2.48</b> Chair: Angel Nepomuceno	<b>P12   Room C6.2.49</b> Chair: Pedro Lima	<b>P13   Room C6.2.50</b> Chair: A. Franco Oliveira	<b>P14   Room C6.2.52</b> Chair: Rani Lill Anjum	<b>P15   Auditorium C1.3</b> Chair: João Cordovil
11:00-11:20	<b>Reductionism, agency and free will</b> (Joana Rigato)	<b>Philosophie de l'internet et de la technique</b> (Eric Guichard)	<b>Objective probability and scientific realism in context of contemporary science</b> (Pawel Pruski)	<b>Quantum computer: quantum model and reality</b> (Vasil Penchev)	<b>The role of Ibn Sina's intentionality and the generation of numbers: constructivist features in Ibn Sina's approach to the nature of number</b> (Hassan Tahiri)
11:20-11:40	<b>Instrumental rationality and the free will debate</b> (António Zilhão)	<b>Rhetoric, materiality and technological artefacts</b> (Pedro Mendonça)	<b>A 'faithful' interpretation of Everett: empirical faithfulness</b> (Susanna Cocco)	<b>What Entities Exist?: A Lesson from "Genes"</b> (Yafeng Shan)	<b>The Kepler's vision in the copernican revolution</b> (Pedro Henrique C. da Silva)
11:40-12:00	<b>Cognitive science and its implications for our self-understanding</b> (Olga Markic)	<b>Technology, Knowledge and Externalization in the Virtual World Age</b> (Rafael Garcia)	<b>Empirical and experimental philosophy as a new frontier for the philosophy of science in the 21th century: The case of folkbiological classifications of living and animate beings</b> (Sara Dellantonio and Luigi Pastore)	<b>Ontic Structural Realism and Thermodynamics</b> (Stephan M. Fischer)	<b>The Metaphysics Of Space: Mach, Poincaré and the non-Euclidean geometry</b> (Isabel Serra, Elisa Maia and Alexandra Van Quynh)
12:00-12:20	<b>Meta-emotions and argumentation: some effects for decision and actions</b> (Dina Mendonça)	<b>Artificial societies and the interpretation of formal systems</b> (Porfírio Silva)	<b>Laws of nature: what else if not governing?</b> (Federico Laudisa)		<b>Physical postulates and primitive metaphysical notions</b> (Fredrik Andersen)
12:20-12:40	<i>Please take this time to walk into the main auditorium (C6.1.36)</i>				

12:40-13:20	<b>K3. Keynote Address</b>				
	Room C6.1.36 Chair: António Bracinha Vieira <b>Byron Kaldis</b> - <i>The Autonomy of the Special Sciences</i>				
13:20-14:50	Lunch break				
14:50-16:10	<b>K4. Keynote Addresses</b>				
	Room C6.1.36 Chair: Nuno Nabais <b>Philippe Artières</b> - <i>Le reconstitution, une pratique savante?</i> <b>Claude Imbert</b> - <i>Diagrams, Information and the Visual</i>				
16:10-16:30	Coffee break				
16:30-18:30	<b>Symposia</b>				
	<b>S6   Room C6.2.48</b> New realism: ontology and epistemology Symposium organized by Mario de Caro ( <i>University of Roma 3, Italy/Tuft University, Mass., USA</i> ) and Maurizio Ferraris ( <i>LabOnt, University of Turin, Italy</i> )	<b>S7   Room C6.2.49</b> Territories/Diagrams of omitted knowledge Symposium organized by Andrej Mircev ( <i>Art Academy Osijek, Croatia</i> )	<b>S8   Room C6.2.50</b> The many faces of artificial societies: natural, artificial and alternate reality Symposium organized by Porfirio Silva ( <i>Institute for Systems and Robotics, University of Lisbon, Portugal</i> )	<b>S9   Room C6.2.52</b> On the indispensability of visual information in science Symposium organized by Nicola Mößner ( <i>RWTH Aachen University, Germany</i> )	<b>S10   Auditorium C1.3</b> New philosophical and scientific issues in the life sciences: the 'revolution' of epigenetic in our representation of living beings Symposium organized by Luciano Boi ( <i>Centre de Mathématiques, EHESS, Paris, France</i> )

**FRIDAY, 6th of December, 2013**

09:00-10:40	Parallel Sessions				
	P16   Room C6.2.48 Chair: Helena Serôdio	P17   Room C6.2.49 Chair: Rui Moreira	P18   Room C6.2.50 Chair: António Zilhão	P19   Room C6.2.52 Chair: Ricardo Salomão	P20   Auditorium C1.3 Chair: Jorge Louçã
09:00-09:20	<b>Art, Science and Philosophy. The theater at crossing worlds</b> (Carlos Fragateiro)	<b>Redundant causation in the social sciences</b> (Andrea Borghini and Marco J. Nathan)	<b>Quantum logic and a dynamic perspective</b> (Angel Nepomuceno)	<b>Must science be autonomous to be useful?</b> (Stéphanie Ruphy)	<b>The Role Of Values In Science</b> (Rui Silva)
09:20-09:40	<b>A journey over the slight abyss: brief visit to João Maria Gusmão e Pedro Paiva</b> (Lucília Maria Pinho Lopes)	<b>Emergence of robust contingent regularities</b> (Aldo Filomeno)	<b>Sets and Everything</b> (Gonçalo Santos)	<b>Between protests and participatory budgeting devices: Which way to high intensity democracy?</b> (Ana Raquel Matos)	<b>Western Rationality and Its Victims. Some Questions in Axiology of Science</b> (Katarzyna Gan-Krzywoszyńska and Piotr LeŚniewski)
09:40-10:00	<b>Science of processes and the moving image</b> (Pedro Caldas)	<b>Downward Causation from a new Relational Perspective</b> (Gil C. Santos)	<b>An overview of type theories</b> (Nino Guallart)	<b>Literary Technologies of Science: Structures of Academic Writing</b> (Jan Balon)	<b>Should science become more democratic?</b> (Florin Popa)
10:00-10:20	<b>Deleuze's theory of intensive space</b> (Nuno Carvalho)	<b>Is chemistry emergent? (And if so, in what sense?)</b> (Alex Manafu)	<b>The logical and the psychological approaches to <i>a priori</i></b> (Sérgio Fernandes)	<b>Toward a new conception of scientific progress</b> (Débora Aymoré)	<b>Looking for a definition of random genetic mutation at the molecular level</b> (Francesca Merlin)
10:20-10:40	<b>Beauty and the objectivity of science</b> (Lisa Leininger)	<b>Realism and Emergence: a case study in current neuroscience on Fear Conditioning</b> (João Fonseca)	<b>On the boundaries of a pragmatic treatment of the knowability paradox</b> (Massimiliano Carrara, Daniele Chiffi and Ciro De Florio)	<b>Contemporary theory of democracy on referenda involving scientific results</b> (Przemysław Krzywoszyński and Jerzy W. Ochmański)	<b>Following McTaggart's argument up against B-time</b> (M.J. Garcia-Encinas)
10:40-11:00	<i>Coffee break</i>				

<b>11:00-12:20 Parallel Sessions</b>					
	<b>P21   Room C6.2.48</b> Chair: Catarina Nabais	<b>P22   Room C6.2.49</b> Chair: Ilda Perez	<b>P23   Room C6.2.50</b> Chair: Porfirio Silva	<b>P24   Room C6.2.52</b> Chair: Nuno Melim	<b>P25   Auditorium C1.3</b> Chair: Zbigniew Kotowicz
11:00-11:20	<b>Art and Intentionality: A Semiotic Framework</b> (José F. Quesada)	<b>Maps and knowledge</b> (José Braga)	<b>The “Ontological Turn” in Epistemology as actual Political Philosophy of the Technosciences</b> (Noemí Sanz Merino)	<b>Citizenship as factor the promotion of capital social</b> (Alfreda Cruz)	<b>On Dual Nature of Consciousness and Alternative Types of Thinking</b> (Igor Nevvazhay)
11:20-11:40	<b>Body, topological deformation, desire</b> (Filipe Varela)	<b>Cognitive Continuity in Philosophy of Science: Situating Knowledge Without 'Deconstructing' It</b> (Guilherme Sanches de Oliveira)	<b>Approaching the Singularity - Transcending Biology from Nano to Life through Engines of Creation</b> (Filipe Luig)	<b>A social account of science from the year 1667: Thomas Sprat’s “The History of the Royal Society”</b> (Jaana Eigi)	<b>Carnap's reconstruction of theoretical content and structural realism</b> (Angelo Cei)
11:40-12:00	<b>When art collides with science</b> (Gülce Sorguç)	<b>Genres as Boundaries in Scientific Writing</b> (Radim Hladik)	<b>Limits to infinite progress: an environmental reading of techno-science</b> (Bruno Rego)	<b>The Crisis in Economic Theory. Shifting to a new paradigm in Economics?</b> (Maria Ângela Dionísio)	<b>Fitch's paradox and anti-realism</b> (Ekaterina Kubyshkina)
12:00-12:20		<b>A universal measure of complexity: approximations and applications</b> (Fernando Soler Toscano)	<b>Materialism before physicalism: cultured brains and reductive materialism from Diderot to J. J. C. Smart</b> (Charles T. Wolfe)	<b>The Public Use of Applied Scientific Models</b> (Jens van 't Klooster)	<b>Can we have an ontological commitment about the internal existential sentences?</b> (Aurélien Tonneau)
12:20-12:40	<i>Please take this time to walk into the main auditorium (C6.1.36)</i>				
<b>12:40-13:20 K5   Keynote Address</b>					
	<b>Room C6.1.36</b> Chair: José R. Croca <b>John Symons - Physicalism and Scientific Evidence</b>				
13:20-14:50	<i>Lunch break</i>				



14:50-16:50	<b>Symposia</b>				
	<b>S11   Room C6.2.48</b> <b>Bioethics: Myth and Reality</b> Symposium organized by António Barbosa ( <i>Centre of Bioethics, FMUL, Lisbon, Portugal</i> )	<b>S12   Room C6.2.49</b> <b>The political philosophy as living art within the knowledge society</b> Symposium organized by Alfreda Cruz ( <i>CFCUL, Portugal</i> )	<b>S13   Room C6.2.50</b> <b>The notion of proof</b> Symposium organized by Reinhard Kahle ( <i>Lisbon, Portugal</i> )	<b>S14   Room C6.2.52</b> <b>Eurhythmy – Complexity and Evolution</b> Symposium organized by J.R. Croca ( <i>CFCUL, Portugal</i> )	<b>S15   Auditorium C1.3</b> <b>Epistemic dynamics and philosophy of science</b> Symposium organized by José Francisco Quesada Moreno ( <i>GILLIUS, University of Seville, Spain</i> )
16:50-17:10	<i>Coffee break</i>				
17:10-18:30	<b>K6. Keynote Addresses</b>				
	<b>Room C6.1.36</b> Chair: Olga Pombo  <i>Ahti-Veikko Pietarinen - The Science to Save Us from Philosophy of Science</i> <i>Jan Sebestik - Reflexions on science and its role in the European civilization</i>				
18:30	<b>Closing session</b>				
	Award Ceremony - Springer prize for the most adventurous talk presented by a junior philosopher of science Concluding remarks				