

Wednesday, 7 June

8.30-8.55 Registration Desk—located in front of aula V

8.55-9.00	Piergiorgio Donatelli (Head, Sapienza Department of Philosophy), Opening		
	Invited Lecture - Location: aula V - Chair: Lorenzo Magnani		
9.00-10.00	Samantha COPELAND (TU Delft), Ethics as generative modelling		
	Location: aula II - chair: Cristina Barés-Gómez	Location: aula V - chair: Lorenzo Magnani	Location: aula X - chair: Fabio Sterpetti
10.00-10.30	Prätor, K. - <i>An Action Based Model of Logic</i>	Shelley, C. - <i>Towards a Situational Account of Verbal Irony</i>	Lieto, A. & Pozzato, G. - <i>A Non Monotonic Reasoning Framework for Human-Like Knowledge Invention</i>
10.30-11.00	Savojardo, V. - <i>The Narrative Function of an Embodied Imagination Between Scientific and Literary Thought Experiments</i>	Chiffi, D. & De Florio, C. - <i>Two Types of Hypothesis and Denial. A Logical Analysis</i>	Bouchard, Y. - <i>Reasoning about Knowledge and Epistemic Equivocity</i>
11.00-11.20	<i>coffe break</i>		
11.20-11.50	Giovagnoli, R. - <i>Complexity, Habits & Society</i>	Fontaine, M. - <i>Adaptive Structure Seeking Dialogues (A-SSD)</i>	Thompson, B. - <i>The Principle of Ecthesis in Hypothetical Reasoning</i>
11.50-12.20	Lukowski, P. & Rudnicki, K. - <i>Logic of Content. An Attempt to Formalize Human Everyday Thinking</i>	Omelchenko, N. - <i>A Thought Experiment to Prove a Multitude of Intelligent Worlds</i>	Addis, M. & Eckert, C. - <i>Explanatory Frameworks in Complex Change and Resilience System Modelling</i>
12.20-12.50	Cattabriga, P. - <i>Overcoming Self-Reference Modelling</i>	Ross, W. & Ormerod, T. C. - <i>Modelling Insight: Process or Phenomenology?</i>	Hermeto, J. R. - <i>Towards an Ontology of Capitalist Knowledge Production: Beyond the Metaphysical Epistemic</i>
	<i>lunch</i>		
14.40-15.40	Invited Lecture - Location: aula V - Chair: Selene Arfini		
	Thomas ORMEROD (Sussex), Solving problems by searching failed attempts for new ideas: A new computational model of insight		
	Location: aula II - chair: Ángel Nepomuceno	Location: aula V - chair: Cameron Shelley	Location: aula X - chair: Gustavo Cevolani
15.40-16.10	Borowiecki, O. - <i>Neuroscientific Model-Based Computation and Philosophical Model-Based Reasoning – A Window for an Interdisciplinary Collaboration</i>	Barés-Gómez, C. & Nepomuceno, A. & Salguero Lamillar, F. J. - <i>Abduction and Analogies in Linguistic Reconstruction Inferences</i>	Guarini, M. - <i>Some Concerns with Totally Grounded Analogies</i>
16.10-16.40	Garavaglia, F. & Pinna, S. & Giunti, M. - <i>Ongoing Activity of the Brain: Perception Between Prediction and Errors</i>	Nariña, I. - <i>Matrix Modelling of n-Terms Systems</i>	Niño, D. - <i>A Classification of Abduction Based on Its Different Goals: A Proposal</i>
16.40-17.00	<i>coffe break</i>		
17.00-17.30	Gajda, A. & Flejsierowicz, J. & Urbański, M. - <i>Computing Abductive Hypotheses in Artificial Neural Networks: A Hybrid Approach</i>	Visokolskis, S. - <i>Creativity via Transduction: Associative Abductive Reasoning Through the Lens of Model-Based Reasoning</i>	Coraci, D. & Douven, I. & Cevolani, G. - <i>Inferring to the Best Explanation in Cognitive Neuroscience</i>
17.30-18.00	Werner, P. A. - <i>Chorological Abductive Inferring: Case Studies of Tracing Spatial Dissemination of COVID-19</i>	Miotti, G. - <i>The Use of Fuzzy Mathematics for Socio-Environmental Evaluation in Social Economy</i>	Gangle, R. & Tohmé, F & Caterina, G. - <i>Combinators as Presheaves</i>
18.00-19.00	Invited Lecture - Location: aula V - chair: Mireille Hildebrandt		
	Lorenzo Magnani (Pavia), Scientific Models as Tools for Epistemic Warfare. The Unwelcome Confusion between Static and Dynamic Aspects of Models in Science		

Thursday, 8 June

Invited Lecture - Location: aula V - Chair: Sara Dellantonio		
Edoardo DATTERI (Milano Bicocca), <i>Models for Surrogate Stimulation</i>		
9.00-10.00	Location: aula II - chair: Viola Schiaffonati	Location: aula V - chair: Sara Dellantonio
10.00-10.30	Guallart, N. - <i>Neighbourhood Semantics for Bayesian Abduction: Uncertainty and Negation of Probabilistic Beliefs</i>	Arfini, S. - <i>Rethinking the Embodied Nature of Thought Experiments</i>
10.30-11.00	Hermkes, R. - <i>Epistemic Feelings in Decision-Making and its Integration into an Inferential Taxonomy</i>	Ippoliti, E. - <i>Do Predictions Destroy Predictability? The Case of Financial Markets</i>
11.00-11.20	coffe break	
11.20-11.50	Abduction, Reason & Science: A Symposium in Honor of the 70th Birthday of Lorenzo Magnani Location: aula II - chair: Selene Arfini	Cevolani, G. & Di Vincenzo, S. - <i>Hypothetical Reasoning in Textual Criticism: Patterns of Abductive and Bayesian inference</i>
11.50-12.20	Minnameier, G. - <i>Abduction - Its Point and Reach</i> Abe, A.* - <i>Abduction---analogy/narratology---discovery</i>	Rudnicki, K. & Lukowski, P. - <i>Detection of Presuppositions for Falsification of Applied Logic Predictions</i> Crocchiolo, P. - <i>Model-Based Reasoning in Human Evolution</i>
12.20-12.50	Aliseda-Llera, A. - <i>Automated Diagnostic Reasoning: A tribute to Lorenzo Magnani</i>	Srivastava, A. - <i>The Development of the Semiotics and Affordances of Indicator Diagrams and Thermodynamic Work Cycles in the Material and Theoretical Cultures of Early Steam Engines</i> Chinaia, A. - <i>Brain Organoids as Models: Ethical and Epistemological Issues</i> Sans Pinillos, A. - <i>The role of anticipations based on axiological information in the EC-Model of abduction</i>
Lunch		
Invited Lecture - Location: aula V - chair: Emiliano Ippoliti		
David DANKS (UC San Diego), <i>Causation, goals, values, and models</i>		
14.40-15.40	Location: aula II - chair: Selene Arfini	Location: aula V - chair: Samantha Copeland
15.40-16.10	Bueno, O. - <i>Abduction vs. Concept Refinement and Structural Preservation: Perspectives on Mathematical Heuristics</i>	Lizzadri, A. - <i>Internal Realism and Computational Model of Mind: A Realist Interpretation of the Ontological Relativity</i>
16.10-16.40	Thagard, P.* - <i>Lorenzo Magnani's Contributions to the Study of Abductive Inference</i>	Drago, A. - <i>The Arguing Through an "Adjunction": Its Relevance for the History of Mathematics, Logic and AI</i> Rusanen, A. - <i>The Art of Cognitively Seductive Visualizations: The Case of Covid-19</i>
16.40-17.00	coffe break	
17.00-17.30	Open discussion and Lorenzo's comments	D'Agostino, M. & Larese, C. - <i>Depth-Bounded Epistemic Logics and Logical Omniscience as a Matter of Degree</i>
17.30-18.00	Chiffi, D. & Petrolo, M. & Schiaffonati, V. & Zanotti, G. - <i>Trustworthy AI: A Pragmatic Stance</i> Gajda, A & Flejsierowicz, J. & Urbański, M - <i>Computing Abductive Hypotheses in Artificial Neural Networks: A Hybrid Approach</i>	
Invited Lecture - Location: aula V - Chair: Thomas Ormerod		
18.00-19.00	Ángel NEPOMUCENO FERNÁNDEZ (Seville), <i>Interrogative logic as underlying logic in scientific practices</i>	
20:00	SOCIAL DINNER - Momart Restaurant - Viale XXI Aprile, 19, 00162	

Model-Based Reasoning in Science and Technology

Friday, 9 June

Invited Lecture - Location: aula V - chair: Edoardo Datteri		
9.00-10.00	Marco BUZZONI (Macerata), <i>Serendipity and Thought Experiment in Scientific Discovery</i>	
	Location: aula II - chair: Atocha Aliseda-Llera	Location: aula V - chair: Edoardo Datteri
10.00-10.30	Hieke, W. & Schwöbel, S. & Smolka, M. N. - <i>Involving Cognitive Science in Model Transformation for Description Logics</i>	Dellantonio, S. & Pastore, L. - <i>Constructs as Building Blocks for Psychological Models. When Assessment Misrepresents the Phenomenon It Is Designed to Measure: 'Alexithymia' as a Case Study</i>
10.30-11.00	Luczak, J. - <i>Not Just Toying Around</i>	Amigoni, F. & Schiaffonati, V. - <i>Complementing the Normative Approach of Robot Ethical Standards: A Methodological Account</i>
11.00-11.20	<i>coffe break</i>	
11.20-11.50	Cevolani, G. & Crupi, V. & Viola, M. - <i>The Paul Effect: The Persuasive Allure of the Unbeliever's enLightment</i>	Barés-Gómez, C. & Fontaine, M. - <i>Abduction in Medical Research: The Case of Variolae Vaccinae</i>
11.50-12.20	Sterpetti, F. - <i>Counterfactuals, Models, and Scientific Realism</i>	Raftopoulos, A. & Portides, D. - <i>Abductive Inferences in Perception and the Representational Formats of Perception and Cognition</i>
12.20-12.50	Faroldi, F. - <i>Generic Reasoning: A Logical Sketch</i>	Giunti, M. & Pinna, S. - <i>Expressing Knowledge as Linked Data by FOOL</i>
<i>lunch</i>		
Invited Lecture - Location: aula V – chair: David Danks		
14.40-15.40	Mireille HILDEBRANDT (Vrije Universiteit), <i>Abduction in LLMs, the issue of real world navigation</i>	
Closing Plenary Session - Location: Aula V - chair: E. Ippoliti		
15.40-16.40	Selene ARFINI (Pavia), Marco BUZZONI (Macerata), Samantha COPELAND (TU Delft), David DANKS (UC San Diego), Edoardo DATTERI (Milano-Bicocca), Mireille HILDEBRANDT (Vrije Universiteit Brussels), Emiliano IPPOLITI (Sapienza), Lorenzo MAGNANI (Pavia), Ángel NEPOMUCENO FERNÁNDEZ (Seville), Thomas ORMEROD (Sussex)	