

3rd POSTGRADUATE CONFERENCE ON LOGIC AND PHILOSOPHY OF SCIENCE 2016

30 May – 1 June, 2016

Venue: Palazzo Albani, Univ. of Urbino, via Timoteo Viti 10, Urbino, 60129 Italy

The conference is organized by the *Italian Society for Logic and the Philosophy of Science (SILFS)*, the *Department of Pure and Applied Sciences (Urbino)* and the *Department of Pedagogy, Psychology, Philosophy (Cagliari)*.

SESSIONS

[BIO] Philosophy of Biology and Health Sciences

chairs: Giovanni Boniolo (Univ. of Ferrara) and Raffaella Campaner (Univ. of Bologna)

[COG SC] Philosophy of Formal and Cognitive Sciences

chairs: Lorenzo Magnani (Univ. of Pavia) and Francesco Paoli (Univ. of Cagliari)

[COMP] Models and Foundations of Computing

chairs: Guido Gherardi (Univ. of Bologna) and Silvio Ghilardi (Univ. of Milan)

[LOGIC] Non-Classical Logics: semantics, proof theory and applications

chairs: Giovanna Corsi (Univ. of Bologna) and Pierluigi Minari (Univ. of Florence)

[PHYS] Philosophy and Foundations of Physics

chairs: Elena Castellani (Univ. of Florence) and Federico Laudisa (Univ. of Milano-Bicocca)

PROGRAM

30 MAGGIO 2016 (PALAZZO ALBANI, room Clemente XI)

09:30 Gino Tarozzi (Univ. of Urbino) and Giovanna Corsi (Univ. of Bologna)
Opening

Memorial lectures honoring Giorgio Sandri (Univ. of Bologna).

9:50 Vincenzo Fano (Univ. of Urbino)

10:20 Claudia Casadio (Univ. of Chieti-Pescara)

10:50 Dolores Sandri

11:10 COFFEE BREAK

11:30 Luke Burke (UCL, Univ. of London) **[LOGIC]**

GI-TAG: a non-classical proof-theoretic semantics for natural language quantification

12:10 Tommaso Bertolotti (Univ. of Pavia) **[COG SC]**

Bridging the gap between niche construction, cognitive niche and cognitive niche construction

13:00 BUFFET

15:00 Carlo Nicolai (Munich Center for Mathematical Philosophy, LMU, Munich) **LOGIC**
Remarks on the role of truth-theoretic and non-semantic patterns of reasoning in non-classical systems of truth

15:40 Francesco Antonio Genco (TU Wien) **LOGIC**
Hypersequents and Systems of Rules: An Embedding

16:20 COFFEE BREAK

16:40 Michele Pra Baldi (Univ. of Padua) **LOGIC**
A n-sided Sequent Calculus for Paraconsistent Weak Kleene Logic

20:00 DINNER

31 MAGGIO 2016 (PALAZZO ALBANI, room Clemente XI)

09:30 Selene Arfini (Univ. of Chieti-Pescara) **COG SCI**
Epistemological and Metacognitive Consequences of Cognitive Autoimmunity

10:10 Federica Malfatti (Leopold Franzens Univ. Innsbruck) **PHYS**
Understanding through models. The role of structure.

10:50 COFFEE BREAK

11:10 Emanuele Rossanese (Univ. of Roma Tre) **PHYS**
Structural Monism: The Case of Algebraic Quantum Field Theory

11:50 Lorenzo Rossi (Univ. of Oxford) **LOGIC**
Irreflexive Validity

13:00 LUNCH

15:00 Davide Romano (Univ. of Lausanne) **PHYS**
Why Bohmian non-locality is not a problem for us (classical objects)

15:40 Francesco Bellucci (Tallinn Univ. of Technology) **COMP**
Notational aspects of Begriffsschrift and Existential Graph

16:20 COFFEE BREAK

16:40 Bogdan Dicher (Univ. of Cagliari) **LOGIC**
On quantum disjunction and a generality condition in proof-theoretic semantics

17:20 Luisa Peruzzi, Stefano Bonzio, José Gil-Férez, Francesco Paoli (Univ. of Cagliari) **LOGIC**
On Paraconsistent Weak Kleene Logic and Involutive Bisemilattices

18:10 CONSIGLIO DIRETTIVO della SILFS

20:00 SOCIAL DINNER

1 GIUGNO 2016 (COLLEGIO INTERNAZIONALE, Conference Room, P.zza San Filippo, 2, Urbino)

09:30 Anna Maria Dieli (Univ. of Rome "Tor Vergata" – Univ. Paris 1 Panthéon-Sorbonne) [BIO]
Inquiry on Cancer Cells Individuality

10:10 Daniele Chiffi (Univ. of Padua) [BIO]
Knowledge and Belief in Placebo Effect

10:50 COFFEE BREAK

11:10 Stefano Bonzio, Ivan Chajda and Antonio Ledda (Univ. of Cagliari) [LOGIC]
Representing Quantum structures as near semirings

11:50 Davide Fazio [COMP]
Deterministic computations and critical pairs in Term Rewriting Systems

13:00 LUNCH

15:00 Mihail-Valentin Cernea ("Alexandru Ioan Cuza" Univ. of Iași) [BIO]
Supraorganismal selection in Darwin's "Origin of Species". An avenue for a better understanding

15:40 Federico Boem (Univ. of Milan) [BIO]
Why genes are like lemons

16:20 Luca Rivelli (Univ. Paris 1 - IHPST, Univ. of Padova – FISPPA) [BIO]
Functional and mechanistic explanations are reverse-engineered modular descriptions constrained by computational complexity

17:00 CLOSING

Scientific Committee: The Council of SILFS, Italian Society for Logic and the Philosophy of Science (www.silfs.it).

Organizing Committee: Giovanna Corsi (Univ. of Bologna), Vincenzo Fano (Univ. of Urbino), Roberto Giuntini (Univ. of Cagliari), Pierluigi Graziani (Univ. of Chieti-Pescara), Eugenio Orlandelli (Univ. of Bologna).

Further information can be found at www.silfs.it
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