

INTERNATIONAL CONFERENCE

**FORMAL METHODS AND
SCIENCE IN PHILOSOPHY
III**

Inter-University Centre, Dubrovnik, Croatia
April 11–13, 2019

PROGRAMME

THURSDAY, PART 1, April 11, 2019

09:00-10:00	Registration	(Secretariat and registration desk)
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10:00-10:10	Opening	
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10:10-11:00	Key-note lecture: Maria MANZANO, Existence, Denotation and Equality in Hybrid Partial Type Theory	
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11:05 -11:45	Patrick BLACKBURN, Rigidity and Hybrid Logic	
Chair: S. Kovač		(Large Hall, basement fl.)

11:45-12:15	Coffee break (free), restaurant <i>Atrium</i> , ground floor	
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Chair: C. Benzmüller		(Room F, section)
12.15-12:55	Kordula ŚWIĘTORZECKA, A Note about LC Logic Applications. The Problem of Definability of Certain LC Philosophically Interesting Histories	
13:00-13:40	Anna & Krzysztof WÓJTOWICZ, A Stochastic Process Explanation of Conditionals	

Chair: M. Porwolik		(Room G, section)
12.15-12:55	Johan GAMPER, Formal Ontology	
13:00-13:40	Janusz KACZMAREK, Theory of Situations in Topological Ontology	

The time slot for each lecture/talk includes 10 minutes for discussion.

THURSDAY AFTERNOON, April 11, 2019

Chair: D. Surowik	(Large Hall, basement fl.)
15:10 -15:50	Georg SCHIEMER, Two Ways to Think about (Implicit) Structure

Chair: J. Gamper	(Room F, section)
16:00-16:40	Urszula WYBRANIEC-SKARDOWSKA, What is the Sense in Logic?

16:45-17:25 Anna LEMAŃSKA, About Some Problems with Formalization

Chair: V. Lobovikov	(Room G, section)
16:00-16:40	Charles SVEN, Creation of Our Universe and Dark Energy Described Using Common 3D Physics

16:45-17:25 Srećko KOVAČ, Formal Systems and Determinism

Chair: M. Latawiec	(Room H, section)
16:00-16:40	Michał PIEKARSKI, From Reverse Engineering to Mechanistic Explanation: Explanatory Power of Predictive Processing Framework

16:45-17:25 Janina BUCZKOWSKA, Scientific Realism and the Pessimistic Induction Argument

17:25-17:55 Coffee break, restaurant *Atrium*, ground floor

Chair: K. Świętorzecka	(Room F, section)
17:55-18:25	Marcin ŁYCZAK, The Logic of Modal Changes LMC
18:30-19:00	Ivan RESTOVIĆ, Logics of the “Exodus of Consciousness”

Chair: G. Lojkić	(Room G, section)
17:55-18:25	Meha MISHRA, Tolerating Inconsistencies: A Study of Logic of Moral Conflicts

18:30-19:00 Richard TEAGUE, The Meno Paradox and the Logic of Questions

Chair: V. Aranda	(Room H, section)
17:55-18:25	Joe ROUSSOS, Formal Epistemology as Modelling
18:30-19:00	Stipe PANDŽIĆ, Justification Logic as a Framework for Structured Argumentation

The time slot for each lecture/talk includes 10 minutes for discussion.

FRIDAY, PART 1, April 12, 2019

Chair: G. Basti	(Large Hall, basement fl.)
09:00-09:50	Key-note lecture: Edward ZALTA, Formal Philosophy of Mathematics
09:55 -10:35	Elena DRAGALINA-CHERNAYA, The Variety of Logical Hylomorphism
10:35-11:05	Coffee break (free), restaurant <i>Atrium</i> , ground floor

Chair: M. Piekarski	(Room F, section)
11.05-11:45	Mihał & Anna Maria LATAWIEC, What Kind of Philosophy Do Environmental Protection Need?
11:50-12:30	Dominika DZWONKOWSKA, The Question of Transdisciplinarity
12:35-13:15	Gianfranco BASTI, A Categorical Version of the Ontic Structural Realism in Natural Philosophy

Chair: I. Kuzmanović	(Room G, section)
11.05-11:45	Krzysztof WÓJTOWICZ, Metaabstract Explanations in Science
11:50-12:30	Vladimir DREKALOVIĆ, Mathematical Argumentation in the Explanation of a Scientific Phenomenon - the History of one Example
12:35-13:15	Piotr BŁASZCZYK, New Science of Infinity

The time slot for each lecture/talk includes 10 minutes for discussion.

13.30 – 15.00 Lunch for the participants of the conference. Restaurant *Atrium*, groundfloor of the IUC building.

FRIDAY AFTERNOON, April 12, 2019

Chair: G. Schiemer	(Large Hall, basement fl.)
15:10-16:00	Key-note lecture: Christoph BENZMÜLLER, Computational Metaphysics: New Insights on Gödel's Ontological Argument and Modal Collapse

16:00-16:30	Coffe break, restaurant <i>Atrium</i> , ground floor
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Chair: S. Pandžić	(Room F, section)
16:30-17:00	Giovanni Marco MARTINO, A Fregean Logical Objects Theory
17:05-17:35	Viktor ARANDA, Completeness and Categoricity: the Debate on Husserl
17:40-18:10	Niccoló ROSSI, The Phenomenology of Time Through the Lens of Tense Logic

Chair: M. Łyczak	(Room G, section)
16:30-17:00	Vanja SUBOTIĆ, Deep Learning and Neural Networks: a Vindication of Empiricism in Cognitive Science
17:05-17:35	Leander VIGNERO, A Computational Pragmatics for Weaseling
17:40-18:10	Mirko ENGLER, Generalized Interpretability and Meaning

Chair: J. Roussos	(Room H, section)
16:30-17:00	Vanessa SEIFERT, The Chemical Bond as a Real Pattern
17:05-17:35	Athamos STRADIS, The Unbridged Gap Between Entropy and Memory
17:40-18:10	Aleksandra GOMUŁCZAK, From Formal to Informal: the Variants of the Paraphrase Method

The time slot for each lecture/talk includes 10 minutes for discussion.

SATURDAY, April 13, 2019

Chair: K. Wójtowicz	(Room F, section)
09:00-09:40	Zvonimir ŠIKIĆ, Compounding Objects
Chair: J. Kaczmarek	(Room G, section)
09:00-09:40	Benjamin T. RANCOURT, Psychology Plus Knowledge-First Epistemology Implies the Philosophical Insignificance of Knowledge
09:40-10:10	Coffee break, restaurant <i>Atrium</i> , ground floor
Chair: Z. Šikić	(Room F, section)
10.10-10:50	Ivana KUZMANOVIĆ et al., On the Relation of Multi-valued Logics and M-System Theory
10:55-11:35	Vladimir LOBOVIKOV, A Model Σ for the Theory Ξ
10:55-11:35	Iulian TOADER, Is the Stone-von Neumann Theorem a Categoricity Result?
Chair: P. Błaszczak	(Room G, section)
10.10-10:50	Dariusz SUROWIK, Knowledge Representation and Temporal Algorithmic Logic
10:55-11:35	Marek PORWOLIK, The Application of S. K. Thomason's Conception of Event Ordering to Determining Mereological Genidentity
11:40-12:20	Goran LOJKIĆ, Formalization of the Leibnizian Cosmological Argument
12.20-12.40	Coffee break, restaurant <i>Atrium</i> , ground floor
12:40-13:20	Robert PIŁAT, A Reconciling of Semantic and Cognitive Approaches to Concepts
13.20	<i>Closing</i>
Chair: K. Świątorzecka	(Large Hall, basement fl.)

The time slot for each lecture/talk includes 10 minutes for discussion.

Organizing Committee:

Gianfranco Basti, Pontifical Lateran University, Vatican City
Grzegorz Bugajak, Cardinal Stefan Wyszyński University, Warsaw
Filip Grgić, Institute of Philosophy, Zagreb
Srećko Kovač, Institute of Philosophy, Zagreb
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Institute of Philosophy, Zagreb
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