

INTERNATIONAL CONFERENCE

**FORMAL METHODS AND
SCIENCE IN PHILOSOPHY**

V

Programme

Inter-University Centre, Dubrovnik, Croatia
May 16–18, 2024

THURSDAY, PART 1 (MORNING), May 16, 2024

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: María MANZANO: My References on Logic Education	
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11:05 -11:45	Christoph BENZMÜLLER, David FUENMAYOR: The LogiKEy Methodology: Applications in AI Ethics and Prospects in Logic Teaching	
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Chair: K. Świętorzecka		(Room A)
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11:45-12:15	<i>Coffee break</i>	
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Parallel sessions F and G (12:15–13:25):

(F) Chair: S. Kovač		(Room F)
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12.15-12:50	Anna BROŽEK: Moderate Reconstructionism as a Metaphilosophical Standpoint	
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12:50-13:25	Duško DOŽUDIĆ: Heaps to Facts: Frege’s Long Argument	
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(G) Chair: M. Porwolik		(Room G)
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12.15-12:50	Andrzej INDRZEJCZAK, Yaroslav PETRUKHIN: Bisequent Calculi of Definite Descriptions in Neutral Free Logic	
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12:50-13:25	Andrzej PIETRUSZCZAK: Calculi of Names with Czeżowski’s Singular Sentences and Sentences for Identification	
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13:30-14:30	<i>Welcome reception</i>	(Atrium)
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The time slot for each lecture/talk includes 5–10 minutes for discussion.

THURSDAY AFTERNOON, May 16, 2024

15:10 -15:50 Yves BOUCHARD: Epistemic Type Mismatch
 Chair: C. Benz Müller (Room A)

Parallel sessions F and G (16:00–17:10):

(F) Chair: D. Leszczyńska-Jasion (Room F)

16:00-16:35 Marek PORWOLIK: A Certain Modification of the Theorem
 Concerning Independent Families and Expressions From the
 Algebra of Sets

16:35-17:10 Janusz KACZMAREK: Temporal Logic of a Monad in
 Topological Ontology

(G) Chair: Y. Bouchard (Room G)

16:00-16:35 Tamaz TOKHADZE: The Problem of Context-Sensitivity for the
 Formal Theories of Belief-Credence Interaction

16:35-17:10 Tommaso FLAMINIO, Lluís GODO, Giuliano ROSELLA:
 Conditionals, Counterfactuals and Imaged Belief Functions

17:10-17:30 *Coffee break*

Parallel sessions F and G (17:30–18:40/18:30):

(F) Chair: D. McHugh (Room F)

17:30-18:05 Simon McGREGOR: Embodied Sensorimotor Hyperintensionality

18:05-18:40 Theodore IZMAYLOV: What Arguments in the Reduction-
 Emergence and Individualism-Holism Debates Are ‘Strong’?
 Towards a Rigorous and Relevant: Definition Informed by
 Computational Complexity

(G) Chair: T. Tokhadze (Room G)

17:30-18:05 Maciej SENDŁAK: Unification of Dependence

18:05-18:30 Joshua Edward PEARSON: Composing Composers

The time slot for each lecture/talk includes 5–10 minutes for discussion.

FRIDAY, PART 1 (MORNING), May 17, 2024

09:00-09:50	Key-note lecture: Peter GÄRDENFORS: How a Model of Event Cognition Can Be Applied to Causal Reasoning and Verb Semantics	
09:55 -10:35	Andrzej INDRZEJCZAK: Russell, Definite Descriptions and Anselm's God: Approaches to Concepts	
Chair: S. Kovač		(Room A)
10:35-11:00	<i>Coffee break</i>	

Parallel sessions F and G (11.05–12:40):

(F) Chair: A. Indrzejczak		(Room F)
11.05-11:40	Michał Tomasz GODZISZEWSKI, Leszek WRÓŃSKI, Zalan GYENIS: Elimination Counterexamples: A Blow to Accuracy Monism?	
11:40-12:15	Victor ARANDA, María MANZANO, Manuel MARTINS: A Third Logical Value in Hybrid First-Order Logic	
12:15-12:40	Rodrigo MENA GONZÁLEZ: To Oblige and To Be Obligated: An Analysis of Two Deontic Notions	
(G) Chair: S. McGregor		(Room G)
11.05-11:40	Dean McHUGH: A Dynamic Interpretation of Structural Causal Models	
11:40-12:15	Marina NOVINA: The Importance of Philosophy for Psychotherapy	
12:15-12:40	Fran CARDELLS: On the Defence of the Epistemic Nature of Contradiction	
12:40-14:00	<i>Lunch</i>	(Atrium)

The time slot for each lecture/talk includes 5–10 minutes for discussion.

FRIDAY AFTERNOON, May 17, 2024

15:00-15.50 **Key-note lecture:**
Leon HORSTEN: Reflection in the Mathematical Sciences

Chair: A. Brožek (Room A)

Parallel sessions F and G (16:00–16:50/17:00):

(F) Chair: M. Sendłak (Room F)

16:00-16:30 Cordelia MÜHLENBECK, Christoph BENZMÜLLER:
On the Maximum of Positive Properties and Modal Collapse in
Gödel's Ontological Argument Compared to its Variants

16:30-17:00 Srećko KOVAČ: The Role of Objectivity in the Foundations of
Logic: Some Perspectives of the Beginnings of Modern Logic

(G) Chair: A. Vestrucci (Room G)

16:00-16:25 Amaia CORRAL-VILLATE: On Benardete's Paradox via
Representation in Classical Mechanics

16:25-16:50 Renato TURCO: *Consequentia Mirabilis* and the Paradox of
Non-Being: An (Onto)Logical Perspective

17.00-17.30 *Coffe break*

Parallel sessions F and G (17:30–18:20):

(F) Chair: F. Cardells (Room F)

17:30-17:55 Jakub SOCHACKI: Kant's Transcendental Object and
the Concept of Limit

17:55-18:20 Lucas ESCOBAR: Filling the Gaps: Uses of Modal Logic in
Historical Sciences

(G) Chair: A. Corral-Villate (Room G)

17:30-17:55 Jared IFLAND: Is a Realist Spin on Spin Realistic?

17:55-18:20 José Alejandro FERNÁNDEZ CUESTA, Michele PIAZZA,
Umberto RIVIECCO: Quantum Logics Outside Physics:
Philosophical Considerations

The time slot for each lecture/talk includes 5–10 minutes for discussion.

SATURDAY, May 18, 2024

09:00-09:50 **Key-note lecture:**
Valentin GORANKO: Logics for Strategic Reasoning about
Socially Cooperative Rational Agents

Chair: M. Łyczak

(Room A)

Parallel sessions F and G (10:00–11:10):

(F) Chair: J. Petrukhin (Room F)

10.00-10:35 Dorota LESZCZYŃSKA-JASION: The Method of Socratic Proofs
for modal logics: Inquiring and Justifying in the Realm of
Modal Notions

10:35-11:10 Michał Tomasz GODZISZEWSKI, Rafał URBANIAK: Modal
Quantifiers, Potential Infinity and Yablo Sequences

(G) Chair: J. Ifland (Room G)

10.00-10:25 Evan IATROU: Checking and Balancing Robot Judges: Formal
Philosophers as Political Authorities

11.10-12.00 *Farewell menu*

Parallel sessions F and G (12:00-13:10):

(F) Chair: V. Aranda (Room F)

12:00-12:35 Kordula ŚWIĘTORZECKA: Another Version of Gödel's Ontological
Argument: Positiveness and Quantity of Reality

12:35-13:10 Andrea VESTRUCCI: Gödel's First Incompleteness Theorem as
Function Composition

(G) Chair: D. Dożudić (Room G)

12:00-12:35 Urszula WYBRANIEC-SKARDOWSKA: A Solution to the Problem
of the Meaning of 'Meaning'

12:35-13:10 Hassane KISSANE: From pre-Structuralism to Interdisciplinary
Linguistics: The Development of Scientific Methods in Linguistic
Research from Philosophical Perspective

13:15-13:55 Georg SCHIEMER, Instrumental devices

13:55 *Closing*

Chair: K. Świętorzecka

(Room A)

The time slot for each lecture/talk includes 5–10 minutes for discussion.