

# Programme

15th Panhellenic Logic Symposium

6–10 July 2026, Athens, Greece

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30-9:00					
9:00-10:00	Registration (8:30 - 9:30) Welcome (9:30 - 10:00)				
10:00-11:00	Plenary C. Vasiliakopoulou	Plenary E. Fokina  Plenary S. Vátev	Plenary S. Todorovic  Tutorial I (part 1) M. Malliaris	Tutorial II (part 1) A.S. Kechris  Tutorial I (part 2) M. Malliaris	Tutorial II (part 2) A.S. Kechris  Contributed Talks N. Galatos M.T. Godziszewski V. Kyriakou B8 M. Bojanczyk,
11:00-11:30	Coffee break  Contributed Talks A1 M. Rahnfeld A. Stoner A2 K. Wapnianski A. Kakas	Coffee break  Contributed Talks A3 R.M. Gonzalez A. Apostolidis A4 P. Maffezoli A. Rossi	Coffee break  Special Session III <i>Logics for Formal Verification</i> J. Kontinen M. Zimmermann E. Anastasiadi	Coffee break  Contributed Talks A6 M. Pascucci R. Frangidou A7 C. Bozsahin L.F. Bartolo Alegre	Coffee break  Contributed Talks A9 P. Papayannopoulos — T. Goto R. Thornton  Plenary S. Gao
11:30-12:30					
12:30-13:30					
13:30-15:30	Lunch break	Lunch break	Snack break	Lunch break	
15:30-16:30	Location: Academy of Athens	Contributed Talks A5 M. Ng K. Papatilippou B5 J. Hubička M. Poór		Plenary A. Kruckman	
16:30-19:00	Special Session I <i>The Aristotelian Syllogistic</i> M. Malink V. Triantafyllou Z. McConaughy	Special Session II <i>Philosophy Session: Modal Logic</i> Ø. Linnebo A. Özgün J. Stern	Excursion (15:00 - 21:00)	Special Session IV <i>On the Axiom of choice</i> A.L. Fatallini A. Shani Z. Vidnyánszky	
19:00-19:30	Location: Kostis Palamas building			Syskepsis	
20:00-22:00	Reception			Dinner	

## Venue

The conference takes place near the Library of the Department of History and Philosophy of Science of the National and Kapodistrian University of Athens (Zografou Campus). Check the conference website for map with **exact coordinates**.

The easiest way to reach the campus from downtown is via the Blue Metro Line to *Evangelismos* station. Take **Bus 250**, which enters the university campus. Get off the second stop upon entry.

Alternatively, the campus can be reached **on foot** from *Evangelismos* station (approximately 23 minutes) or from *Megaro Mousikis* station (approximately 20 minutes).

Bus lines 221 and 224 also connect Evangelismos station with stops near the main campus gate.

The same public transport ticket can be used for both metro and bus travel.

**Important:** The Monday evening events take place at different locations in downtown Athens:

- Special Session 1 (16:30–19:00) takes place at the **Academy of Athens**.
- The Reception (20:00–22:00) takes place at the **Kostis Palamas Building**.

Please check the conference website for maps and further details.

## Programme Information

- **Plenary Talks and Tutorials:** 50-minute presentation, 10-minute Q&A and break.
- **Special sessions:** Special session talks are scheduled for approximately 40 minutes followed by 10 minutes for questions. Timing may vary depending on the session.
- **Contributed talks:** 20-minute presentation, followed by 5 minutes for questions and 5 minutes break between talks.

## Tutorials

**Tutorial I** — **Maryanthe Malliaris** (University of Chicago)

*Model-theoretic stability revisited*

**Part 1:** Wednesday 10:00–10:50

**Part 2:** Thursday 10:00–10:50

**Tutorial II** — **Alexander S. Kechris** (California Institute of Technology)

*Groups actions and countable Borel equivalence relations*

**Part 1:** Thursday 9:00–9:50

**Part 2:** Friday 9:00–9:50

## Plenary Talks

- **Christina Vasilakopoulou** (National Technical University of Athens)

*Monads and enrichment in double categories*

Monday 10:00–10:50

- **Ekaterina Fokina** (TU Vienna)

*Computability classes of countable graphs*

Tuesday 9:00–9:50

- **Stefan Vatev** (University of Sofia)

*Effective Properties of Abstract Structures*

Tuesday 10:00–10:50

- **Stevo Todorcevic** (UToronto, CNRS, MISANU)

*Metrizable Ideals*

Wednesday 9:00–9:50

- **Alex Kruckman** (Wesleyan University)

*Structural Ramsey theory via presheaves and ultrafilters*

Thursday 15:30–16:20

- **Su Gao** (Nankai University)

*The isomorphism relation of extremely amenable Polish groups*

Friday 12:30–13:20

## Special Sessions

### Special Session I — The Aristotelian Syllogistic

Monday 16:30–19:00

- **Marko Malink** (New York University)  
*The Origins of Propositional Logic: Theophrastus on Hypothetical Syllogisms*
- **Vangelis Triantafyllou** (University of Ioannina)  
*Formalizing, implementing and testing the Pons Asinorum*
- **Zoe McConaughey** (University of Lille)  
*Aristotle's dynamic use of spatialized semantics for building formal syllogistic (APr. I 27–28)*

### Special Session II — Philosophy Session: Modal Logic

Tuesday 16:30–19:00

- **Øystein Linnebo** (University of Oslo)  
*Modal and Intuitionistic Plural Logic*
- **Aybüke Özgün** (ILLC, University of Amsterdam)  
*Refining Epistemic Logic via Topology*
- **Johannes Stern** (University of Bristol)  
*Formal Truth and Modal Logic*

### Special Session III — Logics for Formal Verification

Wednesday 11:30–13:30

- **Juha Kontinen** (University of Helsinki)  
*Team Semantics as a Framework for Logics in Formal Verification*
- **Martin Zimmermann** (Aalborg University)  
*Game-based Model-Checking of Hyperproperties*
- **Elli Anastasiadi** (Aalborg University)  
*Equational logic for formal verification*

## Special Session IV — On the Axiom of Choice

Thursday 16:30–19:00

- **Azul Lihuen Fatalini** (University of Leeds)  
*Funicular preorders, social welfare orders, and the Axiom of Choice*
- **Assaf Shani** (Concordia University)  
*Higher analogs of ergodicity and anti-classification*
- **Zoltán Vidnyánszky** (Eötvös University)  
*The CSP Dichotomy and Compactness*

# Contributed Talks

## Monday

### Session A1

**11:30–12:30**

- Michael Rahnfeld — *Naturalness As Structural Invariance of the Intension-Extension-Relation*
- Anthony Stoner — *Access Anti-Exceptionalism, and Logical Naturalism Revisited*

### Session B1

**11:30–12:30**

- Anvar Nurakunov and Mahsut Bekenov — *On semirings of first-order theories*
- Andrew Lewis-Smith and Zhiguang Zhao — *Model Theory for  $GBL_{\text{ewf}}$*

### Session A2

**12:30–13:30**

- Karol Wapniarski — *Aristotle versus Euclid: Syllogising the Elements and the epistemological status of mathematics*
- Antonis Kakas — *The AI Logic of Aristotle*

### Session B2

**12:30–13:30**

- Georgios Marangelis — *Models of an Abstract Elementary Class as a Generalized Polish Space*
- Michał Tomasz Godziszewski — *On axioms for multiverses of set theory*

## Tuesday

### Session A3

11:30–12:30

- Rodrigo Mena Gonzalez — *Reflections on The Deduction Theorem*
- Alexandros Apostolidis — *The two faces of abduction: bridging and separating philosophical and formal models*

### Session B3

11:30–12:30

- Dino Rossegger — *A topological highness notion*
- Ivan Georgiev and Dimitar Chaltakov — *M2-computability of Semialgebraic Functions*

### Session A4

12:30–13:30

- Paolo Maffezioli — *Proof-theoretic aspects of stable logic*
- Alessandro Rossi — *The Indeterminacy of Isomorphism Invariance*

### Session B4

12:30–13:30

- Necdet Duman, Özge Gönül, Burak Kaya, Jayatra Saxena and Yiğithan Tamer — *Closed Ramsey numbers  $R^{cl}(\alpha, 3)$  below  $\omega^2$*
- Tan Özalp — *Some developments in the theory of ultrafilters on countable sets*

### Session A5

15:30–16:30

- Ming Ng and Takayuki Kihara — *What can Topology tell us about Logical Complexity?*
- Konstantinos Papafilippou, Mateusz Lęłyk and Luca Castaldo — *KF $\mu$  a theory of truth and of  $L_{\omega_1^{\text{CK}}}$*

### Session B5

15:30–16:30

- Jan Hubička, Matěj Konečný and Andy Zucker — *Characterisation of the big Ramsey degrees of 3-uniform hypergraphs*
- Márk Poór — *Projective Fraïssé limits and homeomorphisms of continua*

## Thursday

### Session A6

11:30–12:30

- Ilgar Gapagov and Matteo Pascucci — *Some challenges for formal theories of responsibility*
- Roditsa Frangidou — *Procedural Semantics and Hyperintensionality in Transparent Intensional Logic*

### Session B6

11:30–12:30

- Benjamin Siskind —  *$\Sigma^1_3$  Gandy Harrington forcing*
- Forte Shinko — *An elementary proof of the Lusin-Novikov theorem*

### Session A7

12:30–13:30

- Cem Bozsahin — *Recursion: Conceptual Necessity or Convenience? Cause or Effect?*
- Luis F. Bartolo Alegre — *A Framework for Representing Views about Logic*

### Session B7

12:30–13:30

- Colin Jahel and Manuel Bodirsky — *Asymptotic Theories of Classes Defined by Forbidden Homomorphisms*
- Nikolay Bazhenov, Samuel Braunfeld and Kyle Gannon — *Random theories*

## Friday

### Session A8

10:00–11:00

- Nick Galatos — *Computational complexity of knotted substructural logics*
- Michał Tomasz Godziszewski — *On the Exponential Succinctness of Shannon-Uncertainty Modalities over Probabilistic Beliefs in Temporal Logic*

### Session B8

10:00–11:00

- Vasiliki Kyriakou — *Wadge Games for a Condition-Induced Topology*
- Mikołaj Bojańczyk, Antonio Casares, Sven Manthe and Paweł Parys — *Automata for MSO over Infinite Trees with Quantification over Borel Sets of Branches*

### Session A9

11:30–12:30

- Philippos Papayannopoulos — *“The Art of Using Symbols Under Regulations”: Formalism, Mechanization, and the 19th-Century Transformation of Logic*
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### Session B9

11:30–12:30

- Tatsuya Goto — *On cardinal invariants on universally null sets*
- Riley Thornton — *CSPs and the Axiom of Choice*