

Logic and Applications – LAP 2025

Dubrovnik, Croatia, 24-28/9/2025

Preliminary programme

Wednesday, 24/9/2025

9:30-10:00	Gathering & Opening
10:00-11:00	Zvonimir Šikić <i>Goedel's ontological proof</i>
11:00-11:30	Coffee break
11:30-12:00	Matthias Baaz <i>Decidability of Bernays–Schoenfinkel Class of Goedel Logics</i>
12:00-12:30	Tin Adlešić <i>New Foundations and Strongly Cantorian Sets</i>
12:30-13:00	Zvonko Iljazović, David Tarandek <i>Computable subcontinua of circularly chainable continua</i>
13:00-16:00	
16:00-17:00	Stepan Kuznetsov <i>Exponentiation and Iteration in the Lambek Calculus and Its Variants</i>
17:00-17:30	Coffee break
17:30-18:00	Sandor Jenei <i>Amalgamation in classes of involutive commutative residuated lattices</i>
18:00-18:30	Luke Serafin <i>Kleene Algebras and Morita Equivalence</i>
18:30-19:00	Teo Šestak <i>Algebraic semantics for interpretability logics</i>

Thursday, 25/9/2025

10:00-11:00	Jose Meseguer <i>Symbolic Computation and Verification Methods in Maude</i>
11:00-11:30	Coffee break
11:30-12:00	Maxim Vîshnikin <i>Properties of categorial grammars with k-type assignment</i>

	Marija Boričić Joksimović , Nebojša Ikodinović, Nenad Stojanović <i>Suppes-style probabilistic natural deduction (cancelled)</i>
12:00-12:30	Vedran Čačić , Tin Adlešić How to extend the set-theoretic vocabulary in a type-safe way?
12:30-13:00	IUC Reception
13:30-16:00	
16:00-17:00	Jesse Comer, Tajana Ban Kirigin , Max Kanovich, Andre Scedrov , Carolyn Talcot <i>Computational Complexity of Some Time-Bounded Verification Problems</i>
17:00-17:30	Coffee break
17:30-18:00	Gabriel Istrate <i>On the Proof Complexity of Several Combinatorial Principles: the role of Kernelization</i>
18:00-18:30	Mariami Gamsakhurdia <i>Incorrect Proofs and Epsilon Calculus</i>
18:30-19:00	Stipe Marić <i>Finite model property and decidability of inquisitive neighborhood logic</i>
19:30-22:00	Conference dinner (optional)

Friday, 26/9/2025

10:00-11:00	Michael Moortgat <i>Two Extensions of Lambek Calculus</i>
11:00-11:30	Coffee break
11:30-12:00	Simon Guilloud <i>Theory and Applications of Orthologic</i>
12:00-12:30	Peter Battyanyi <i>Normalization in the $\lambda\mu\mu'$-calculus</i>
12:30-13:00	Helena Marcuiš <i>Polytopological semantics of interpretability and conservativity logic</i>
13:00-16:00	
16:00-17:00	Carolyn Talcott <i>Concurrent Rules Machines: a Model of Open Cyberphysical Systems</i>
17:00-17:30	Coffee break
17:30-18:00	Sanda Bujačić Babić , Tajana Ban Kirigin <i>Interpretable vs. Learnable Centrality: Combining SLI and Neural Networks</i>
18:00-18:30	Goran Ivanković , Marko Horvat, Marko Horvat <i>Fine-tuning LLMs for Croatian Text Retrieval</i>

18:30-19:00	Silvia Ghilezan <i>Logical foundations for correct communication of distributed machine learning</i>
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Saturday, 27/9/2025

10:00-10:30	Zvonko Iljazović, Patrik Vasung <i>Computable categoricity and subspaces of Euclidean space</i>
10:30-11:00	Zvonko Iljazović, Patrik Vasung <i>Computability of common fixed points of isometries</i>
11:00-11:30	Coffee break
11:30-12:00	Zvonko Iljazović, Matea Jelić <i>On approximating semicomputable continua</i>
12:00-12:30	Matea Čelar <i>Computability of spaces with cylindrical ends</i>
12:30-13:00	Sebastijan Horvat, Borja Sierra Miranda, Thomas Studer <i>Cut-elimination for non-wellfounded sequent calculi for IL</i>
	Iskender Tasdelen <i>Natural Deduction Systems for Conjunctive Multiple-Conclusion Logics (cancelled)</i>
13:00-16:00	
16:00-17:00	LAP future
17:00-17:30	Coffee break
17:30-18:00	LAP Organising Committee
18:00-18:30	LAP Steering Committee

Sunday, 28/9/2025

11:00-12:00	Meeting with IUC officials
12:00-12:30	Closing