

Logic and Applications – LAP 2026

IUC, Dubrovnik, Croatia, 23–27/9/2026

Preliminary programme

Wednesday, 23/9/2026

9:30–10:00	Gathering & Opening
10:00–11:00	Zvonimir Šikić <i>Proof of Church-Turing Thesis</i>
11:00–11:30	Coffee break
11:30–12:00	Jovana Obradović <i>The Bénabou-Roubaud theorem via string diagrams</i>
12:00–12:30	Mariami Gamsakhurdia <i>The Eliminability of Delta in Gödel Logics</i>
12:30–13:00	Silvia Ghilezan, Paaras Padhiar <i>Justification Logic of the Lambda Calculus</i>
13:00–16:00	Mid-day break
16:00–17:00	Jose Meseguer <i>An Overview of Maude’s NuITP Inductive Theorem Prover</i>
17:00–17:30	Coffee break
17:30–18:00	Lutz Straßburger <i>Interpolation via Generalized Splitting</i>
18:00–18:30	Teo Šestak <i>Abstract Socratic dialogue and dialectical logic</i>
18:30–19:00	Sebastijan Horvat <i>A Justification Logic Corresponding to the Interpretability Logic IL</i>
19:00–19:30	Andre Scedrov <i>Explorations in Infinitary Action Logic</i>

Thursday, 24/9/2026

10:00–11:00	Luigi Santocanale , Gregory Chichery <i>From *-Autonomous to Linearly Distributive via Strengths and Enrichments</i>
11:00–11:30	Coffee break
11:30–12:00	Peter Battyanyi , Karim Nour <i>Normalization in the $\lambda\mu\mu'$-calculus using realizability semantics</i>
12:00–12:30	Sandor Jenei <i>Canonical and categorical rigid representations of finite local-unit-aligned totally ordered monoids</i>
12:30–13:00	Zvonko Iljazović, Bojan Pažek <i>A Boundary Criterion for Computability of Co-c.e. Sets with Disconnected Complements</i>
13:00–13:30	IUC Reception
13:30–16:00	Mid-day break
16:00–17:00	Uli Fahrenberg <i>Elements of Higher-Dimensional Automata Theory</i>
17:00–17:30	Coffee break
17:30–18:00	Roman Kuznets, Rojo Randrianomentsoa, Thomas Studer <i>It's common knowledge—eventually?</i>
18:00–18:30	Helena Marciuš <i>Topological bisimulations and bisimulation games for conservativity and interpretability logics</i>
18:30–19:00	Matej Mihelčič <i>Mutation and crossover operators for redescription construction</i>

Friday, 25/9/2026

10:00–11:00	Carolyn Talcott <i>Logic and Intelligence</i>
11:00–11:30	Coffee break
11:30–12:00	Branka Arapović , Silvia Ghilezan <i>The Simply Typed Lambda Calculus with Symbolic Public-Key Cryptography</i>
12:00–12:30	Milica Vučičević , Angelina Ilić Stepić, Nenad Stojanović <i>A Probabilistic-Logical Extension of the WOOP/MCII Method</i>
12:30–13:00	Anela Lolić , Stella Mahler <i>Proof Theoretic Applications of CERES</i>
13:00–16:00	Mid-day break
16:00–17:00	Borja Sierra Miranda <i>Modern tools for arithmetical completeness: provability models and proofs</i>
17:00–17:30	Coffee break
17:30–18:00	Valentina Harizanov <i>Computable structure theory and asymptotic density</i>
18:00–18:30	Jiří Raclavský <i>Logic of Descriptions: Non-reference, Intensional Transitives, and Gödel's Slingshot</i>
18:30–19:00	Konrad Burnik, Zvonko Iljazović, Lucija Validžić <i>Metric bases and the existence of computable homeomorphisms</i>
19:30–22:00	Conference dinner (optional)

Saturday, 26/9/2026

10:00–11:00	Peter Csaba Ölveczky <i>Formalizing and Analyzing Real-Time and Cyber-Physical Systems in Rewriting Logic</i>
11:00–11:30	Coffee break
11:30–12:00	Vincenzo Ciancia, Roberto Guanciale, Emilio Tuosto <i>A Cryptographic Infrastructure for Friend-to-Friend Choreographies</i>
12:00–12:30	Sanda Bujačić Babić , Tajana Ban Kirigin <i>Reliable Decision Rules for AI-Assisted Web Security</i>
12:30–13:00	Matea Čelar, Zvonko Iljazović , Matea Jelić, David Tarandek <i>Effective decomposability of arcs</i>
13:00–16:00	Mid-day break
16:00–16:30	Linda Brodo, Roberto Bruni, Emilio Tuosto, Dragiša Žunić <i>Reaction Systems for Trading Venues</i>
16:30–17:00	Marcel Maretić <i>Rebasing Social Choice Functions</i>
17:00–17:30	Coffee break
17:30–18:00	Luka Rak , Zvonko Iljazović <i>Computability of creating codimension in the Hilbert cube pseudointerior</i>
18:00–18:30	Zvonko Iljazović, Nikola Pražić <i>Connectedness by Computable Arcs in Effective Peano Continua</i>

Sunday, 27/9/2026

10:00–11:00	Meeting with IUC officials
11:00–11:30	Coffee break
11:30–12:00	LAP Future
12:00–12:30	LAP Organising Committee
12:30–13:00	LAP Steering Committee