

Logic and Applications – LAP 2024

Dubrovnik, Croatia, 23-27/9/2024

Preliminary programme

Monday, 23/9/2024

16:00-17:00	Gathering & Opening
17:00-17:30	Silvia Ghilezan <i>Proofs-as-programs: from logic to AI</i>
17:30-18:00	Teo Šestak <i>General frames for interpretability logic IL</i>
18:00-18:30	Anela Lolić <i>Interpolation Properties of Proofs with Cuts</i>
18:30-19:00	Peter Battyanyi <i>On feasibility in non-standard Heyting arithmetic</i>

Tuesday, 24/9/2024

10:00–11:00	Zvonimir Šikić <i>Is there mathematical concepts that are real?</i>
11:00-11:30	Coffee break
11:30-12:00	Karol Wapniarski, Mariusz Urbanski <i>Discovering Aristotle's Syllogistic via indirect proofs: a metatheoretical account</i>
12:00-12:30	Tin Adlešić <i>Logicism and the Philosophy of Mathematics</i>
12:30-13:00	Merium Bishara, Lia Kurtanidze, Mikheil Rukhaia , Lali Tibua <i>Probabilized Unranked Sequent Calculus</i>
13:00-16:00	
16:00-17:00	Vladimir Tasić <i>Brouwer-Weyl Continuum Through 3D Glasses: Geometry, Computation, General Relativity</i>
17:00-17:30	Coffee break
17:30-18:00	Besik Dundua <i>Fuzzy Pattern Calculus</i>
18:00-18:30	Tea Arvaj, Zvonko Iljazović <i>Semicomputable irreducible continua</i>

18:30-19:00	Tajana Ban Kirigin , Jesse Comer, Max Kanovich, Andre Scedrov, Carolyn Talcott <i>Time-Bounded Resilience: Formalization, Computational Complexity and Implementation</i>
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Wednesday, 25/9/2024

10:00-11:00	Carolyn Talcott <i>Threat models and moving target defense for the CoAP messaging protocol</i>
11:00-11:30	Coffee break
11:30-12:00	Adrian Satja Kurdija , Matej Mihelcic <i>Locality-based moral planning with LTL values</i>
12:00-12:30	Sanda Bujačić Babić , Tajana Ban Kirigin <i>Measuring Node Integration in Directed Graphs and the Applications</i>
12:30-13:00	IUC reception ???
13:00-16:00	
16:00-17:00	Valentina Harizanov <i>Effective analogue of an ultraproduct of structures</i>
17:00-17:30	Coffee break
17:30-18:30	Andrej Bauer <i>Puzzles in parameterized realizability</i>
19:00-22:00	Conference dinner (optional)

Thursday, 26/9/2024

10:00-11:00	Andre Scedrov <i>Aspects of Non-Associative Linear Logic</i>
11:00-11:30	Coffee break
11:30-12:00	Isabela Dramnesc, Tudor Jebelean, Sorin Stratulat <i>Formal Certification of Synthesized Sorting Algorithms</i>
12:00-12:30	Vedran Čačić , Marko Doko <i>A certified algorithm for stratification</i>
12:30-13:00	Konrad Burnik, Zvonko Iljazović , Lucija Validžić <i>Computable metric bases</i>
13:00-16:00	

16:00-17:00	Henry Towsner <i>Interpreting Sequent Calculus Proofs as Functions</i>
17:00-17:30	Coffee break
17:30-18:00	Vedran Cacic, Matea Celar, Marko Horvat , Zvonko Iljazovic <i>Approximating semicomputable graphs in computable metric spaces</i>
18:00-18:30	Matej Mihelčič , Adrian Satja Kurdija <i>Storytelling and extensions</i>
18:30-19:00	Dragiša Žunić <i>Understanding the computation at the core of exchange on a trading venue</i>

Friday, 27/9/2024

10:00-11:00	Meeting with IUC officials
11:00-12:00	LAP future LAP steering committee meeting LAP organising committee meeting
12:00-12:30	Closing