

Logic and Applications – LAP 2022

Formal Reasoning and Semantics - FORMALS 2022

Dubrovnik, Croatia, 26-29/9/2022

Preliminary programme

Monday, 26/9/2022

9:45-10:00	Gathering in IUC
10:00-10:30	Simona Kašterović , Silvia Ghilezan <i>Probabilistic Reasoning about Typed Combinatory Logic</i>
10:30-11:00	Dorel Lucanu <i>Capturing Term Algebra Computations in Matching Logic</i>
11:00-11:30	Coffee break
11:30-12:00	Jovana Kostić <i>Intensional negation</i>
12:00-12:30	Tin Adlešić , Vedran Čačić <i>Alternative axiomatization of NFU</i>
12:30-13:00	IUC RECEPTION
13:00-16:00	
16:00-16:45	Zvonimir Šikić <i>A note on countable additivity</i>
16:45-17:15	Coffee break
17:15-17:45	Dmitriy Zhuk <i>On the complexity of the Quantified Constraint Satisfaction Problem</i>
17:45-18:15	Šejla Dautović , Dragan Doder, Zoran Ognjanović <i>Probabilistic-Temporal Logic with Actions</i>

Tuesday, 27/9/2022

10:00–10:45	Jean-Yves Beziau <i>Pure Implicational Intuitionistic Logic</i>
10:45–11:15	Vedran Čačić, Marko Horvat, Zvonko Iljazović <i>Various notions of computability of subsets of topological and metric spaces</i>
11:15–11:45	Coffee break
11:45–12:15	Kristina Asimi, Libor Barto, Silvia Butti <i>Fixed-Template Promise Model Checking Problems</i>
12:15–12:45	Matea Čelar, Zvonko Iljazović <i>Computable type of certain quotient spaces</i>
12:45–15:45	
15:45–16:00	FORMALS OPENING
16:00–16:30	(online) Vivek Nigam (FORMALS) <i>Automating Safety Proofs about Cyber-Physical Systems using Rewriting Modulo SMT</i>
16:30–17:00	(online) Tajana Ban Kirigin, Sanda Bujačić Babić, Benedikt Perak (FORMALS) <i>Semi-Local Integration Centrality for Complex Networks</i>
17:00–17:30	(online) Tajana Ban Kirigin, Sanda Bujačić Babić, Benedikt Perak (FORMALS) <i>Syntactic Dependency Networks: Cognitive Aspects of Hierarchical Multi-Layer Structures</i>
17:30–18:00	Coffee break
18:00–18:30	(online) Aleksandar Hatzivelkos (FORMALS) <i>On p-Disapproval voting characterization</i>
18:30–19:00	(online) Luka Mikec (FORMALS) <i>FORMALS contributions overview (2018–2022)</i>
19:00–19:30	(online) Yaroslav Petrukhin (FORMALS) <i>Cut-free hypersequent calculus for a non-contingency version of $S5$</i>

Wednesday, 28/9/2022

10:00–10:45	Andre Scedrov <i>The Multiplicative-Additive Lambek Calculus with Subexponential and Bracket Modalities: Undecidability and Decidable Fragments</i>
10:45–11:15	Sebastijan Horvat , Tin Perkovic, Mladen Vuković: <i>A good method of transforming Veltman into Verbrugge models</i>
11:15–11:45	Coffee break
11:45–12:30	Carolyn Talcott <i>Modeling Complex Systems in Rewriting Logic</i>
12:30–16:00	
16:00–17:00	LAP at Logica Universalis Webinar Tin Adlešić : <i>A Modern Rigorous Approach to Stratification in NF/NFU</i> Zvonimir Šikić : <i>The LAP series of logica events</i>
17:00–17:30	Coffee break
17:30–18:15	Ruy J. Guerra B. de Queiroz <i>Connections between Logic and Geometry via Term Rewriting</i>
18:15–18:45	Max Kanovich, Tajana Ban Kirigin , Vivek Nigam, Andre Scedrov, Carolyn Talcot <i>Properties of Time-Sensitive Distributed Systems: Verification and Complexity</i>
18:45–19:15	Tamara Stefanović , Silvia Ghilezan, Simona Kašterović <i>Crypto-Covid: Privacy challenges in Blockchain and Contact Tracing</i>

Thursday, 29/9/2022 (ONLINE)

10:00–10:30	(online) Marija Boričić Joksimović, Nebojša Ikodinović and Nenad Stojanović <i>Soundness and completeness of a probabilized natural deduction system</i>
10:30–11:00	(online) Angelina Ilić Stepić , Zoran Ognjanović, Aleksandar Perović <i>The logic ILP for intuitionistic reasoning about probability</i>
11:00–11:30	Coffee break
11:30–12:00	(online) Edi Pavlović , Sara Negri (online) <i>The disjunction property in a labelled multi-succedent intuitionistic calculus</i>
12:00–12:30	(online) Nebojša Ikodinović (online) <i>Probabilistic Systems in LPPA language</i>
12:30–13:00	(online) Jieting Luo , Mehdi Dastani, Thomas Studer <i>Emotion-based Norm Identification</i>
13:00	CLOSING