

Logic and Applications – LAP 2021

Formal Reasoning and Semantics - FORMALS 2021

Dubrovnik, Croatia, 20-24/9/2021

Preliminary programme

Monday, 20/9/2021

9:45-10:00	Gathering in IUC
10:00-10:30	Zvonimir Šikić <i>Kneale's natural deductions as a notational variant of Beth's tableaux</i>
10:30-11:00	Giulio Fellin, Sara Negri, Eugenio Orlandelli <i>Glivenko classes and constructive cut elimination in infinitary logic</i>
11:00-11:30	Coffee break
11:30-12:00	Michał J. Gajda <i>Consistent ultrafinitist logic</i>
12:00-12:30	Matteo Tesi <i>A new termination procedure for intuitionistic logic</i>
12:30-13:00	Simona Kašterović, Silvia Ghilezan <i>Towards Logic of Combinatory Logic</i>
13:00-16:00	
16:00-16:30	Edi Pavlović, Norbert Gratzl <i>Proof theory of free logics</i>
16:30-17:00	Cezary Cieśliński <i>On the principle of disjunctive correctness</i>
17:00-17:30	Coffee break
17:30-18:00	Andre Scedrov <i>Language Models and Relational Models of the Lambek Calculus</i>
18:00-18:30	Jiří Raclavský, Petr Kuchyňka <i>Natural Deduction for Partial Type Theory with Evaluation Terms</i>
18:30-19:00	Silvia Ghilezan, Simona Kašterović, Luigi Liquori, Bojan Marinković , Zoran Ognjanović, Tamara Stefanović <i>Federating Digital Contact Tracing using Structured Overlay Networks</i>

Tuesday, 21/9/2021

10:00-10:30	Matthias Baaz <i>Analytic calculi for quantifier macros</i>
10:30-11:00	Angelina Ilić Stepić, Zoran Ognjanović, Aleksandar Perović <i>A Probabilistic Temporal Epistemic Logic</i>
11:00-11:30	Coffee break
11:30-12:00	Vedran Čačić, Marko Horvat, Zvonko Iljazović <i>Computable subcontinua of semicomputable chainable Hausdorff continua</i>
12:00-12:30	Šejla Dautović, Dragan Doder, Zoran Ognjanović <i>Logics for Reasoning about Knowledge and Conditional Probability</i>
12:30-13:00	Vedran Čačić <i>λsz:s(s(sz)) topics</i>
13:15-14:00	IUC RECEPTION
14:00-15:45	
15:45-16:00	FORMALS OPENING
16:00-16:30	Vivek Nigam (FORMALS) <i>Soft-Agents: A Symbolic Verification Framework for Cyber-Physical Systems</i>
16:30-17:00	Tajana Ban Kirigin, Sanda Bujačić Babić, Benedikt Perak (FORMALS) <i>Building a Sentiment Dictionary for Croatian</i>
17:00-17:30	Tajana Ban Kirigin, Sanda Bujačić Babić, Benedikt Perak (FORMALS) <i>Sentiment Potential Analysis</i>
17:30-18:00	Coffee break
18:00-18:30	Tajana Ban Kirigin, Sanda Bujačić Babić, Benedikt Perak (FORMALS) <i>Implementing Sentiment Dictionary into Vader Sentiment Analysis for Croatian</i>
18:30-19:00	Yaroslav Petrukhin (FORMALS) <i>Normalisation for some infectious logics with non-standard disjunction elimination rules</i>
19:00-19:30	Luka Mikec, Joost J. Joosten, Albert Visser, Mladen Vuković (FORMALS) <i>On proving interpretability principles arithmetically sound</i>

Wednesday, 22/9/2021

10:00-10:30	Jiří Raclavský (FORMALS) <i>The Rule of Existential Generalisation, Its Derivability and Formal Semantics</i>
10:30-11:00	Aleksandar Hatzivelkos, Marcel Maretić (FORMALS) <i>A Note about Disapproval Voting</i>
11:00-11:30	Coffee break
11:30-12:00	Tin Adlešić (FORMALS) <i>Quine's New foundations and paradoxes</i>
12:00-12:30	Ludovica Conti (FORMALS) <i>Abstraction's Logicality and Invariance</i>
12:30-13:00	Sebastijan Horvat (FORMALS) <i>Bisimulation games for (generalized) Veltman semantics</i>
13:00-16:00	
16:00-16:30	Duško Pavlović <i>Solution of Lambek's Problem: A construction of Dedekind-MacNeille-type bicompletions of categories</i>
16:30-17:00	Sebastijan Horvat, Tin Perkov, Mladen Vuković <i>n-bisimulations for generalised Veltman semantics</i>
17:00-17:30	Coffee break
17:30-18:00	Zvonko Iljazović, Lucija Validžić <i>Computable sequences and isometries</i>
18:00-18:30	Petar Paradžik, Ante Đerek <i>Restricted Observational Equivalence</i>
18:30-19:00	Michael Batanin, Martin Markl, Jovana Obradović <i>Minimal models for graphs-related operadic algebras</i>

Thursday, 23/9/2021

9:30-10:00	David Lehnerr , Zoran Ognjanović, Thomas Studer <i>A Logic of Interactive Proofs</i>
10:00-10:30	Musab A. AlTurki, Tajana Ban Kirigin , Max Kanovich, Vivek Nigam, Andre Scedrov, Carolyn Talcott <i>Periodic Systems: Safety, Security, and Complexity</i>
10:30-11:00	Tamara Stefanović , Silvia Ghilezan <i>Differential Privacy and Applications</i>
11:00-11:30	Coffee break
11:30-12:00	Matej Mihelčič <i>Redescription mining</i>
12:00-12:30	Tin Adlešič , Vedran Čačić <i>Formal approach to stratification in NF/NFU</i>
12:30-13:00	Peter Schuster , Daniel Wessel <i>Radical theory of Scott-open predicates</i>
13:00	CLOSING