



Logic and Applications – LAP 2018

Dubrovnik, Croatia, 24-28/9/2018

Preliminary programme

Monday, 24/9/2018

16:00-16:30	Gathering
16:30-17:30	Zvonimir Šikić: <i>A Refutation of CH</i>
17:30-18:00	Coffee break
18:00-18:30	Jovana Obradović: <i>Categorified cyclic operads in nature</i>
18:30-19:00	Amar Hadzihasanovic: <i>ZW calculi: diagrammatic languages for pure-state quantum computing</i>

Tuesday, 25/9/2018

10:00-10:30	Marcel Maretić: (FORMALS) <i>On geometric aspects of multiple conclusion natural deductions</i>
10:30-11:00	Benedikt Perak, Tajana Ban Kirigin: (FORMALS) <i>Corpus-based approach to the extraction of the emotional concepts and their ontological relations using the natural language logic operators</i>
11:00-11:30	Coffee break
11:30-12:00	Aleksandar Hatzivelkos: (FORMALS) <i>Mathematical model for notion of compromise in social choice theory</i>
12:00-12:30	Branimir Stojanović: (FORMALS) <i>Propositional and first-order logic formalizations of social welfare functions</i>
12:30-13:00	Tin Perkov: (FORMALS) <i>Formalizations of social choice theory in modal logic</i>
13:00-16:00	
16:00-17:00	Predrag Janičić: <i>Automated Reasoning in Geometry</i>
17:00-17:30	Coffee break

17:30-18:00	Tajana Ban Kirigin: <i>Statistical Model Checking in the Analysis of Distance-bounding Protocols</i>
18:00-18:30	Bojan Marinković, Paola Glavan and Zoran Ognjanović: <i>Logical Framework for Proving the Correctness of the Chord Protocol</i>
18:30-19:00	Milan Todorović, Silvia Ghilezan, Zoran Ognjanović: <i>Mathematical methods for privacy protection</i>

Wednesday, 26/9/2018

10:00–11:00	Andrej Bauer: <i>Self-interpreters without fixed points?</i>
11:00-11:30	Coffee break
11:30-12:00	Melanija Mitrović, Sergei Silvestrov: <i>On basic constructive algebraic structures with apartness</i>
12:00-12:30	Vedran Čačić: <i>Complexity of some fragments of description logics</i>
12:30-13:00	Nenad Savić, Thomas Studer: <i>Epistemic models, hypertheories and public announcements</i>
	Excursion in Trebinje Conference dinner

Thursday, 27/9/2018

09:00-10:00	Andre Ščedrov: <i>Subexponentials in non-commutative linear logic</i>
10:00-10:30	Zvonko Iljazović and Bojan Pažek: <i>Computable type and semicomputable boundary condition</i>
10:30-11:00	Coffee break
11:00-12:00	Vivek Nigam, Carolyn Talcott: (FORMALS) <i>Towards the formal verification of Industry 4.0 applications</i>

12:00-12:30	Luka Mikec, Fedor Pakhomov, Mladen Vuković: (FORMALS) <i>Complexity of the interpretability logic IL</i>
12:30-16:00	
16:00-17:00	Marina Lenisa, Furio Honsell: <i>Reversible Computation and Principal Types in lambda-calculus</i>
17:00-17:30	Coffee break
17:30-18:00	Marija Mihova, Bojan Ilijoski, Vesna Kjrاندziska, Mile Jovanov: <i>High-level and Low-level Languages for Learning Compiler Construction</i>
18:00-18:30	Simona Kašterović, Michele Pagani: <i>Towards Probabilistic Testing of Lambda Terms</i>
18:30-19:00	Alen Arslanagić: <i>Type system with constraints for ML type inference with the implementation in Haskell</i>
19:00-19:30	Round table discussion

Friday, 28/9/2018

10:00–11:00	FORMALS steering committee meeting
11:00–12:00	LAP steering committee meeting
12:00–12:30	Coffee break
	Closing