



František Blahoudek

Curriculum Vitae

Conference Proceedings:

František Blahoudek, Alexandre Duret-Lutz, Mikuláš Klokočka, Mojmír Křetínský, and Jan Strejček. “[Seminator: A Tool for Semi-Determinization of Omega-Automata](#)”. In: *Proceedings of the 21st International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR-21)*. EPiC Series in Computing (vol. 46), 2017.

František Blahoudek, Matthias Heizmann, Sven Schewe, Jan Strejček, and Ming-Hsien Tsai. “Complementing Semi-deterministic Büchi Automata”. In: *Proceedings of the 22nd International Conference on Tools and Algorithms for the Construction and Analysis of Systems (TACAS’16)*. Lecture Notes in Computer Science (vol. 9636), 2016.

Tomáš Babiak, František Blahoudek, Alexandre Duret-Lutz, Joachim Klein, Jan Křetínský, David Müller, David Parker, and Jan Strejček. “[The Hanoi Omega-Automata Format](#)”. In: *Proceedings of the 27th International Conference on Computer Aided Verification (CAV’15)*, part I. Lecture Notes in Computer Science (vol. 9206), 2015.

František Blahoudek, Alexandre Duret-Lutz, Vojtěch Rujbr, and Jan Strejček. “On Refinement of Büchi Automata for Explicit Model Checking”. In: *Proceedings of 22nd International SPIN Symposium on Model Checking of Software (SPIN’15)*. Lecture Notes in Computer Science (vol. 9232), 2015.

František Blahoudek, Alexandre Duret-Lutz, Mojmír Křetínský, and Jan Strejček. “[Is there a Best Büchi Automaton for Explicit Model Checking?](#)” In: *Proceedings of 21st International SPIN Symposium on Model Checking of Software (SPIN’14)*. 2014.

Tomáš Babiak, František Blahoudek, Mojný Křetínský, and Jan Strejček. “Effective Translation of LTL to Deterministic Rabin Automata: Beyond the (F, G)-Fragment”. In: *Proceedings of the 11th International Symposium on Automated Technology for Verification and Analysis (ATVA’13)*. Lecture Notes in Computer Science (vol. 8172), 2013.

František Blahoudek, Mojmír Křetínský, and Jan Strejček.“ Comparison of LTL to Deterministic Rabin Automata Translators”. In: *Proceedings of the 19th International Conference on Logic for Programming, Artificial Intelligence, and Reasoning (LPAR-19)*, Lecture Notes in Computer Science (vol. 8312), 2013.

RESEARCH STAYS	Alexandre Durt-Lutz, LRDE laboratory, Epita, Kremlin-Bicêtre, France	
	• nine days	June 2015
	• nine days	May 2014
SUPERVISED STUDENTS	Master students	
	Juraj Major	
	• Translation of LTL into Automata with Generic Acceptance Condition.	
	• Dean's prize	
TEACHING EXPERIENCE	Faculty of Informatics, Masaryk University, Brno, Czech Republic	
	• TeachingLab	2016 – 2017
	• Algorithms and Data Structures	2015 – 2017
	• Automata, Grammars, and Complexity	2013 – 2017
	• Selected Chapters of Automata Theory	2013 – 2014
	• for students with hearing disabilities	2014
	• Formal Languages and Automata	2013 – 2014
	• Automata and Grammars	2008 – 2012