

# Jakub Michaliszyn – List of Papers

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## Published papers

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- 1 Jakub Michaliszyn, Emanuel Kieroński, and Jan Otop. On the decidability of elementary modal logics. *ACM Transactions on Computational Logic (TOCL)* (to appear), 2015.
- 2 Alessio Lomuscio and Jakub Michaliszyn. Verifying multi-agent systems by model checking three-valued abstractions. In *Proceedings of the 14th International Conference on Autonomous Agents and Multiagent Systems (AAMAS'15)*, 2015.
- 3 Alessio Lomuscio and Jakub Michaliszyn. Decidability of model checking multi-agent systems against a class of ehs specifications. In *Proceedings of the 21st European Conference on Artificial Intelligence (ECAI'14)*, pages 543–548, 2014.
- 4 Alessio Lomuscio and Jakub Michaliszyn. An abstraction technique for the verification of multi-agent systems against atl specifications. In *Proceedings of the 14th International Conference on Principles of Knowledge Representation and Reasoning (KR'14)*, pages 428–437, 2014.
- 5 Alessio Lomuscio and Jakub Michaliszyn. Model checking unbounded artifact-centric systems. In *Proceedings of the 14th International Conference on Principles of Knowledge Representation and Reasoning (KR'14)*, pages 488–497, 2014.
- 6 Jerzy Marcinkowski and Jakub Michaliszyn. The undecidability of the logic of subintervals. *Fundamenta Informaticae*, 131(2):217–240, 2014.
- 7 Emanuel Kieroński, Jakub Michaliszyn, Ian Pratt-Hartmann, and Lidia Tendera. Two-variable first-order logic with equivalence closure. *SIAM Journal on Computing*, 43(3):1012–1063, 2014.
- 8 Alessio Lomuscio and Jakub Michaliszyn. An epistemic Halpern-Shoham logic. In *Proceedings of the 23rd International Joint Conference on Artificial Intelligence (IJCAI'13)*, pages 1010–1016. AAAI Press, 2013.
- 9 Jakub Michaliszyn and Jan Otop. Elementary modal logics over transitive structures. In *Proceedings of the 22nd Annual Conference of the Computer Science Logic (CSL'13)*, 2013.
- 10 Jakub Michaliszyn and Jan Otop. Decidable elementary modal logics. In *Proceedings of the 27th Annual IEEE Symposium on Logic in Computer Science (LICS'12)*, pages 491–500, 2012.
- 11 Emanuel Kieroński, Jakub Michaliszyn, Ian Pratt-Hartmann, and Lidia Tendera. Two-variable first-order logic with equivalence closure. In *Proceedings of the 27th Annual IEEE Symposium on Logic in Computer Science (LICS'12)*, pages 431–440, 2012.
- 12 Emanuel Kieroński and Jakub Michaliszyn. Two-variable universal logic with transitive closure. In *Proceedings of 21st Annual Conference of the Computer Science Logic (CSL'12)*, pages 396–410, 2012.
- 13 Jakub Michaliszyn and Emanuel Kieroński. Finite Satisfiability of Modal Logic over Horn-Definable Classes of Frames. In *Proceedings of the 9th conference on Advances in Modal Logic (AiML'14)*, pages 464–482, 2012.
- 14 Jakub Michaliszyn, Jan Otop, and Piotr Witkowski. Satisfiability vs. finite satisfiability in elementary modal logics. In *Proceedings of the 3rd International Symposium on Games, Automata, Logics and Formal Verification (GadnALF'12)*, pages 141–154, 2012.
- 15 Jerzy Marcinkowski and Jakub Michaliszyn. The ultimate undecidability result for the Halpern-Shoham logic. In *Proceedings of the 26th Annual IEEE Symposium on Logic in Computer Science (LICS'11)*, pages 377–386, 2011.

- 16 Emanuel Kieroński, Jakub Michaliszyn, and Jan Otop. Modal logics definable by universal three-variable formulas. In *Proceedings of the Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS'11)*, pages 264–275, 2011.
- 17 Jerzy Marcinkowski, Jakub Michaliszyn, and Emanuel Kieroński. B and D are enough to make the Halpern-Shoham logic undecidable. In *Proceedings of the 37th International Colloquium on Automata, Languages and Programming (ICALP'10)*, pages 357–368, 2010.
- 18 Jakub Michaliszyn. Decidability of the guarded fragment with the transitive closure. In *Proceedings of the 36th International Colloquium on Automata, Languages and Programming (ICALP'09)*, pages 261–272, 2009.

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**Other papers**

- 1 Jerzy Marcinkowski and Jakub Michaliszyn. The cost of being co-buchi is nonlinear. *CoRR*, abs/0906.0072, 2009.
- 2 Jakub Michaliszyn, Anca Muscholl, Slawek Staworko, Piotr Wieczorek, and Zhilin Wu. On injective embeddings of tree patterns. *CoRR*, abs/1204.4948, 2012.
- 3 Jakub Michaliszyn. *Decidability of modal logics with particular emphasis on the interval temporal logics*. PhD thesis, University of Wrocław, Poland, 2012.