

REFERENCES

- [1] T. Ágotnes, V. Goranko, W. Jamroga, and M. Wooldridge. 2015. Knowledge and Ability. In *Handbook of Logics for Knowledge and Belief*. College Publications.
- [2] N. Alechina, B. Logan, H. N. Nguyen, F. Raimondi, and L. Mostarda. 2015. Symbolic Model-checking for Resource-Bounded ATL. In *Proceedings of the 14th International Conference on Autonomous Agents and Multiagent Systems (AAMAS15)*. 1809–1810.
- [3] R. Alur, L. de Alfaro, R. Grosu, T. Henzinger, A. Thomas, M. Kang, C. Kirsch, R. Majumdar, F. Mang, and B.-Y. Wang. 2001. jMocha: A model checking tool that exploits design structure. In *Proceedings of the 23rd International Conference on Software Engineering (ICSE01)*. IEEE, 835–836.
- [4] É. André, L. Petrucci, W. Jamroga, M. Knapik, and W. Penczek. 2017. Timed ATL: Forget Memory, Just Count. In *Proceedings of the 16th Conference on Autonomous Agents and Multi-Agent Systems (AAMAS17)*. ACM, 1460–1462.
- [5] A. Bauer and P. Haslum. 2011. LTL goal specifications revisited. In *Proceedings of the 19th European Conference on Artificial Intelligence (ECAI10)*. IOS Press, 881–886.
- [6] F. Belardinelli, A. Lomuscio, and J. Michaliszyn. 2016. Agent-based Refinement for Predicate Abstraction of Multi-Agent Systems. In *Proceedings of the 22nd European Conference on Artificial Intelligence (ECAI16)*. IOS Press, 286–294.
- [7] N. Bulling and W. Jamroga. 2014. Comparing variants of strategic ability: how uncertainty and memory influence general properties of games. *Autonomous Agents and Multi-Agent Systems* 28, 3 (2014), 474–518.
- [8] J. R. Burch, E. M. Clarke, K. L. McMillan, D. L. Dill, and L. J. Hwang. 1992. Symbolic Model Checking: 10^{20} States and Beyond. *Information and Computation* 98, 2 (1992), 142–170.
- [9] H. O. Burton and D. D. Sullivan. 1972. Errors and error control. In *Proceedings of the IEEE*, Vol. 60. IEEE.
- [10] A. Camacho, E. Triantafyllou, C. Muise, J. A. Baier, and S. A. McIlraith. 2017. Non-Deterministic Planning with Temporally Extended Goals: LTL over finite and infinite traces. *Proceedings of the 31st AAAI Conference on Artificial Intelligence (AAAI17)*, 3716–3724.
- [11] P. Cermák, A. Lomuscio, F. Mogavero, and A. Murano. 2014. MCMAS-SLK: A Model Checker for the Verification of Strategy Logic Specifications. In *Proceedings of the 26th International Conference on Computer Aided Verification (CAV14) (Lecture Notes in Computer Science)*, Vol. 8559. Springer, 525–532.
- [12] P. Cermák, A. Lomuscio, F. Mogavero, and A. Murano. 2015. Verifying and Synthesising Multi-Agent Systems against One-Goal Strategy Logic Specifications. In *Proceedings of the 29th AAAI Conference on Artificial Intelligence (AAAI15)*. AAAI Press, 2038–2044.
- [13] E. M. Clarke, S. Jha, Y. Lu, and H. Veith. 2002. Tree-like Counterexamples in Model Checking. In *Proceedings of the 17th Symposium on Logic in Computer Science (LICS02)*. 19–29.
- [14] M. Cohen, M. Dam, A. Lomuscio, and H. Qu. 2009. A Symmetry Reduction Technique for Model Checking Temporal-Epistemic Logic. In *Proceedings of the 21st International Joint Conference on Artificial Intelligence (IJCAI09)*. 721–726.
- [15] G. De Giacomo, R. De Masellis, M. Grasso, F. M. Maggi, and M. Montali. 2014. Monitoring Business Metaconstraints Based on LTL and LDL for Finite Traces. In *Proceedings of the 12th International Conference on Business Process Management (BPM14) (Lecture Notes in Computer Science)*, Vol. 8659. Springer, 1–17.
- [16] G. De Giacomo, R. De Masellis, and M. Montali. 2014. Reasoning on LTL on Finite Traces: Insensitivity to Infiniteness. In *Proceedings of the 28th AAAI Conference on Artificial Intelligence (AAAI14)*. 1027–1033.
- [17] G. De Giacomo and M. Y. Vardi. 2013. Linear Temporal Logic and Linear Dynamic Logic on Finite Traces. In *Proceedings of the 23rd International Joint Conference on Artificial Intelligence (IJCAI'13)*. 854–860.
- [18] G. De Giacomo and M. Y. Vardi. 2015. Synthesis for LTL and LDL on Finite Traces. In *Proceedings of the 24th International Joint Conference on Artificial Intelligence (IJCAI15)*. AAAI Press, 1558–1564.
- [19] G. De Giacomo and M. Y. Vardi. 2016. LTL_f and LDL_f Synthesis under Partial Observability. In *Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI16)*. IJCAI/AAAI Press, 1044–1050.
- [20] R. Fagin, J. Y. Halpern, Y. Moses, and M. Y. Vardi. 1995. *Reasoning about Knowledge*. MIT Press, Cambridge.
- [21] P. Gammie and R. van der Meyden. 2004. MCK: Model Checking the Logic of Knowledge. In *Proceedings of 16th International Conference on Computer Aided Verification (CAV04) (Lecture Notes in Computer Science)*, Vol. 3114. Springer, 479–483.
- [22] J. A. Goguen, T. Winkler, J. Meseguer, K. Futatsugi, and J.-P. Jouannaud. 2000. Introducing OBJ. In *Software Engineering with OBJ*. Springer, 3–167.
- [23] J. Gutierrez, G. Perelli, and M. Wooldridge. 2017. Iterated Games with LDL Goals over Finite Traces. In *Proceedings of the 16th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS17)*. IFAAMAS Press, 696–704.
- [24] K. Havelund and G. Rosu. 2001. *Testing linear temporal logic formulae on finite execution traces*. Technical Report 01.08. RIACS.
- [25] W. van der Hoek and M. Wooldridge. 2002. Tractable multiagent planning for epistemic goals. In *Proceedings of the First International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS02)*. ACM Press, 1167–1174.
- [26] W. Jamroga and A. Murano. 2014. On module checking and strategies. In *Proceedings of the 14th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS14)*. IFAAMAS, 701–708.
- [27] M. Kacprzak, W. Nabialek, A. Niewiadomski, W. Penczek, A. Pólrola, M. Szreter, B. Woźna, and A. Zbrzezny. 2008. VerICS 2007 - a Model Checker for Knowledge and Real-Time. *Fundamenta Informaticae* 85, 1 (2008), 313–328.
- [28] M. Kacprzak and W. Penczek. 2004. A SAT-based approach to unbounded model checking for alternating-time temporal epistemic logic. *Synthese* 142, 2 (2004), 203–227.
- [29] M. Kacprzak and W. Penczek. 2005. Fully Symbolic Unbounded Model Checking for Alternating-time Temporal Logic. *Autonomous Agents and Multi-Agent Systems* 11, 1 (2005), 69–89.
- [30] J. Kong and A. Lomuscio. 2017. Model Checking Multi-Agent Systems against LDLK Specifications. In *Proceedings of the 26th International Joint Conference on Artificial Intelligence (IJCAI17)*. AAAI Press, 1138–1144.
- [31] J. Kong and A. Lomuscio. 2017. Symbolic Model Checking Multi-Agent Systems against CTL*K Specifications. In *Proceedings of the 16th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS17)*. IFAAMAS Press, 114–122.
- [32] O. Kupferman, M. Y. Vardi, and P. Wolper. 2001. Module checking. *Information and Computation* 164, 2 (2001), 322–344.
- [33] M. Kwiatkowska, A. Lomuscio, and H. Qu. 2010. Parallel Model Checking for Temporal Epistemic Logic. In *Proceedings of the 19th European Conference on Artificial Intelligence (ECAI10)*. IOS Press, 543–548.
- [34] A. Lomuscio and J. Michaliszyn. 2015. Verifying Multi-Agent Systems by Model Checking Three-valued Abstractions. In *Proceedings of the 14th International Conference on Autonomous Agents and Multiagent Systems (AAMAS15)*. 189–198.
- [35] A. Lomuscio and J. Michaliszyn. 2016. Verification of Multi-Agent Systems via Predicate Abstraction against ATLK specifications. In *Proc. of the 15th Int. Conference on Autonomous Agents and Multiagent Systems (AAMAS16)*. 662–670.
- [36] A. Lomuscio, W. Penczek, and B. Woźna. 2007. Bounded model checking knowledge and real time. *Artificial Intelligence* 171, 16–17 (2007), 1011–1038.
- [37] A. Lomuscio, H. Qu, and F. Raimondi. 2017. MCMAS: An Open-Source Model Checker for the Verification of Multi-Agent Systems. *Software Tools for Technology Transfer* 19, 1 (2017), 9–30.
- [38] A. Lomuscio and F. Raimondi. 2006. Model checking knowledge, strategies, and games in multi-agent systems. In *Proceedings of the 5th International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS06)*. ACM Press, 161–168.
- [39] F. Maggi, M. Montali, M. Westergaard, and W. van der Aalst. 2011. Monitoring Business Constraints with Linear Temporal Logic: An Approach Based on Colored Automata. *Business Process Management* (2011), 132–147.
- [40] MCMAS_{LDL,K}. 2017. <http://vas.doc.ic.ac.uk/>. (2017).
- [41] W. Penczek and A. Lomuscio. 2003. Verifying Epistemic Properties of multi-agent systems via bounded model checking. *Fundamenta Informaticae* 55, 2 (2003), 167–185.
- [42] J. Torres and J. A. Baier. 2015. Polynomial Time Reformulations of LTL Temporally Extended Goals into Final-State Goals. In *Proceedings of the 24th International Joint Conference on Artificial Intelligence (IJCAI15)*. AAAI Press, 1696–1703.
- [43] M. Y. Vardi. 2011. The rise and fall of linear time logic. In *2nd International Symposium on Games, Automata, Logics, and Formal Verification*.