

REFERENCES

- [1] R. Becker, S. Zilberstein, V. Lesser, and C. Goldman. Solving transition independent decentralized Markov decision processes. *Journal of Artificial Intelligence Research*, 22:423–455, 2004.
- [2] D. Bernstein, R. Givan, N. Immerman, and S. Zilberstein. The complexity of decentralized control of Markov decision processes. *Mathematics of Operations Research*, 27(4):819–840, 2002.
- [3] F. Delle Fave, A. Rogers, Z. Xu, S. Sukkariéh, and N. Jennings. Deploying the max-sum algorithm for decentralised coordination and task allocation of unmanned aerial vehicles for live aerial imagery collection. In *Proceedings of ICRA*, pages 469–476, 2012.
- [4] J. S. Dibangoye, C. Amato, and A. Doniec. Scaling up decentralized MDPs through heuristic search. In *Proceedings of UAI*, pages 217–226, 2012.
- [5] J. S. Dibangoye, C. Amato, A. Doniec, and F. Charpillet. Producing efficient error-bounded solutions for transition independent decentralized MDPs. In *Proceedings of AAMAS*, pages 539–546, 2013.
- [6] H. Fargier, J. Lang, and T. Schiex. Mixed constraint satisfaction: A framework for decision problems under incomplete knowledge. In *Proceedings of AAI*, pages 175–180, 1996.
- [7] A. Farinelli, A. Rogers, and N. Jennings. Agent-based decentralised coordination for sensor networks using the max-sum algorithm. *Autonomous Agents and Multi-Agent Systems*, 28(3):337–380, 2014.
- [8] Y. Hamadi, C. Bessière, and J. Quinqueton. Distributed intelligent backtracking. In *Proceedings of ECAI*, pages 219–223, 1998.
- [9] E. A. Hansen, D. S. Bernstein, and S. Zilberstein. Dynamic programming for partially observable stochastic games. In *Proceedings of AAI*, pages 709–715, 2004.
- [10] A. Holland and B. O’Sullivan. Weighted super solutions for constraint programs. In *Proceedings of AAI*, pages 378–383, 2005.
- [11] A. Kumar, B. Faltings, and A. Petcu. Distributed constraint optimization with structured resource constraints. In *Proceedings of AAMAS*, pages 923–930, 2009.
- [12] R. Lass, E. Sultanik, and W. Regli. Dynamic distributed constraint reasoning. In *Proceedings of AAI*, pages 1466–1469, 2008.
- [13] T. Léauté and B. Faltings. Coordinating logistics operations with privacy guarantees. In *Proceedings of IJCAI*, pages 2482–2487, 2011.
- [14] R. Maheswaran, J. Pearce, and M. Tambe. Distributed algorithms for DCOP: A graphical game-based approach. In *Proceedings of PDCS*, pages 432–439, 2004.
- [15] R. Maheswaran, M. Tambe, E. Bowring, J. Pearce, and P. Varakantham. Taking DCOP to the real world: Efficient complete solutions for distributed event scheduling. In *Proceedings of AAMAS*, pages 310–317, 2004.
- [16] S. Miller, S. Ramchurn, and A. Rogers. Optimal decentralised dispatch of embedded generation in the smart grid. In *Proceedings of AAMAS*, pages 281–288, 2012.
- [17] P. Modi, W.-M. Shen, M. Tambe, and M. Yokoo. ADOPT: Asynchronous distributed constraint optimization with quality guarantees. *Artificial Intelligence*, 161(1–2):149–180, 2005.
- [18] R. Nair, M. Tambe, M. Yokoo, D. Pynadath, and S. Marsella. Taming decentralized POMDPs: Towards efficient policy computation for multiagent settings. In *Proceedings of IJCAI*, pages 705–711, 2003.
- [19] R. Nair, P. Varakantham, M. Tambe, and M. Yokoo. Networked distributed POMDPs: A synthesis of distributed constraint optimization and POMDPs. In *Proceedings of AAI*, pages 133–139, 2005.
- [20] D. T. Nguyen, W. Yeoh, H. C. Lau, S. Zilberstein, and C. Zhang. Decentralized multi-agent reinforcement learning in average-reward dynamic DCOPs. In *Proceedings of AAI*, pages 1447–1455, 2014.
- [21] F. Oliehoek, M. Spaan, C. Amato, and S. Whiteson. Incremental clustering and expansion for faster optimal planning in Dec-POMDPs. *Journal of Artificial Intelligence Research*, 46:449–509, 2013.
- [22] A. Petcu and B. Faltings. A scalable method for multiagent constraint optimization. In *Proceedings of IJCAI*, pages 1413–1420, 2005.
- [23] A. Petcu and B. Faltings. Superstabilizing, fault-containing multiagent combinatorial optimization. In *Proceedings of AAI*, pages 449–454, 2005.
- [24] A. Petcu and B. Faltings. Optimal solution stability in dynamic, distributed constraint optimization. In *Proceedings of IAT*, pages 321–327, 2007.
- [25] S. Seuken and S. Zilberstein. Memory-bounded dynamic programming for DEC-POMDPs. In *Proceedings of IJCAI*, pages 2009–2015, 2007.
- [26] D. Szer, F. Charpillet, and S. Zilberstein. MAA*: A heuristic search algorithm for solving decentralized POMDPs. In *Proceedings of UAI*, pages 576–590, 2005.
- [27] S. A. Tarim, S. Manandhar, and T. Walsh. Stochastic constraint programming: A scenario-based approach. *Constraints*, 11(1):53–80, 2006.
- [28] S. Ueda, A. Iwasaki, and M. Yokoo. Coalition structure generation based on distributed constraint optimization. In *Proceedings of AAI*, pages 197–203, 2010.
- [29] R. Wallace and E. Freuder. Stable solutions for dynamic constraint satisfaction problems. In *Proceedings of CP*, pages 447–461, 1998.
- [30] T. Walsh. Stochastic constraint programming. In *Proceedings of ECAI*, pages 111–115, 2002.
- [31] S. Witwicki and E. Durfee. Towards a unifying characterization for quantifying weak coupling in Dec-POMDPs. In *Proceedings of AAMAS*, pages 29–36, 2011.
- [32] W. Yeoh, A. Felner, and S. Koenig. BnB-ADOPT: An asynchronous branch-and-bound DCOP algorithm. *Journal of Artificial Intelligence Research*, 38:85–133, 2010.
- [33] W. Yeoh, P. Varakantham, X. Sun, and S. Koenig. Incremental DCOP search algorithms for solving dynamic DCOPs. In *Proceedings of IAT*, pages 257–264, 2015.
- [34] W. Yeoh and M. Yokoo. Distributed problem solving. *AI Magazine*, 33(3):53–65, 2012.
- [35] M. Yokoo, editor. *Distributed Constraint Satisfaction: Foundation of Cooperation in Multi-agent Systems*. Springer, 2001.
- [36] R. Zivan, H. Yedidsion, S. Okamoto, R. Grinton, and K. Sycara. Distributed constraint optimization for teams of mobile sensing agents. *Autonomous Agents and Multi-Agent Systems*, 29(3):495–536, 2015.