

















## REFERENCES

- [1] S. Adhau, M. Mittal, and A. Mittal. A multi-agent system for distributed multi-project scheduling: An auction-based negotiation approach. *Engineering Applications of Artificial Intelligence*, 25(8):1738–1751, 2012.
- [2] O. Amir, G. Sharon, and R. Stern. Multi-agent pathfinding as a combinatorial auction. In *Proceedings of the Twenty-Ninth AAAI Conference on Artificial Intelligence (AAAI'15)*, pages 2003–2009, 2015.
- [3] J. Blazewicz, J. K. Lenstra, and A. R. Kan. Scheduling subject to resource constraints: classification and complexity. *Discrete Applied Mathematics*, 5(1):11–24, 1983.
- [4] G. Confessore, S. Giordani, and S. Rismondo. A market-based multi-agent system model for decentralized multi-project scheduling. *Annals of Operations Research*, 150(1):115–135, 2007.
- [5] A. Fink and J. Homberger. Decentralized multi-project scheduling. In *Handbook on Project Management and Scheduling Vol. 2*, pages 685–706. Springer, 2015.
- [6] R. Gonen and D. Lehmann. Optimal solutions for multi-unit combinatorial auctions: Branch and bound heuristics. In *Proceedings of the 2nd ACM conference on Electronic Commerce (EC'00)*, pages 13–20, 2000.
- [7] J. Homberger. A  $(\mu, \lambda)$ -coordination mechanism for agent-based multi-project scheduling. *OR Spectrum*, 34(1):107–132, 2012.
- [8] R. Kolisch. Serial and parallel resource-constrained project scheduling methods revisited: Theory and computation. *European Journal of Operational Research*, 90(2):320–333, 1996.
- [9] P. Krysta, O. Telelis, and C. Ventre. Mechanisms for multi-unit combinatorial auctions with a few distinct goods. In *Proceedings of the 2013 International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS'13)*, pages 691–698, 2013.
- [10] I. Kurtulus and E. Davis. Multi-project scheduling: Categorization of heuristic rules performance. *Management Science*, 28(2):161–172, 1982.
- [11] E. Kutanoglu and S. D. Wu. On combinatorial auction and lagrangean relaxation for distributed resource scheduling. *IIE transactions*, 31(9):813–826, 1999.
- [12] J. S. Lau, G. Q. Huang, K.-L. Mak, and L. Liang. Agent-based modeling of supply chains for distributed scheduling. *Systems, Man and Cybernetics, Part A: Systems and Humans, IEEE Transactions on*, 36(5):847–861, 2006.
- [13] D. Lehmann, L. I. O'callaghan, and Y. Shoham. Truth revelation in approximately efficient combinatorial auctions. *Journal of the ACM*, 49(5):577–602, 2002.
- [14] A. Lova and P. Tormos. Analysis of scheduling schemes and heuristic rules performance in resource-constrained multiproject scheduling. *Annals of Operations Research*, 102(1-4):263–286, 2001.
- [15] X. Mao, N. Roos, and A. Salden. Stable multi-project scheduling of airport ground handling services by heterogeneous agents. In *Proceedings of The 8th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS'09)-Volume 1*, pages 537–544, 2009.
- [16] K. Neumann, C. Schwindt, and J. Zimmermann. *Project scheduling with time windows and scarce resources: temporal and resource-constrained project scheduling with regular and nonregular objective functions*. Springer Science & Business Media, 2003.
- [17] D. C. Parkes and L. H. Ungar. Iterative combinatorial auctions: Theory and practice. In *Proceedings of the 17th National Conference on Artificial Intelligence (AAAI'00)*, pages 74–81, 2000.
- [18] D. C. Parkes and L. H. Ungar. An auction-based method for decentralized train scheduling. In *Proceedings of the 5th International Conference on Autonomous Agents (AAMAS'01)*, pages 43–50, 2001.
- [19] T. Sandholm, S. Suri, A. Gilpin, and D. Levine. Winner determination in combinatorial auction generalizations. In *Proceedings of the First International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS'02)*, pages 69–76, 2002.
- [20] A. Stranjak, P. S. Dutta, M. Ebden, A. Rogers, and P. Vytelingum. A multi-agent simulation system for prediction and scheduling of aero engine overhaul. In *Proceedings of the 7th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS'08): Industrial Track*, pages 81–88, 2008.
- [21] W. E. Walsh and M. P. Wellman. Decentralized supply chain formation: A market protocol and competitive equilibrium analysis. *Journal of Artificial Intelligence Research*, pages 513–567, 2003.
- [22] M. P. Wellman, W. E. Walsh, P. R. Wurman, and J. K. MacKie-Mason. Auction protocols for decentralized scheduling. *Games and economic behavior*, 35(1):271–303, 2001.
- [23] H. Xi, C. K. Goh, P. S. Dutta, M. Sha, and J. Zhang. An agent-based simulation system for dynamic project scheduling and online disruption resolving. In *Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems (AAMAS'15)*, pages 1759–1760, 2015.
- [24] Z. Zheng, Z. Guo, Y. Zhu, and X. Zhang. A critical chains based distributed multi-project scheduling approach. *Neurocomputing*, 143:282–293, 2014.