

REFERENCE LIST

- [1] T. Gonzalez and S. Sahni, “Flowshop and jobshop schedules: Complexity and approximation,” *Operations research*, vol. 26, no. 1, pp. 36–52, 1978.
- [2] R. L. Graham, E. L. Lawler, J. K. Lenstra, and A. R. Kan, “Optimization and approximation in deterministic sequencing and scheduling: A survey,” in *Annals of discrete mathematics*, vol. 5, Elsevier, 1979, pp. 287–326.
- [3] I. H. Osman and C. Potts, “Simulated annealing for permutation flow-shop scheduling,” *Omega*, vol. 17, no. 6, pp. 551–557, 1989.
- [4] T. Gonzalez and S. Sahni, “Open shop scheduling to minimize finish time,” *Journal of the ACM (JACM)*, vol. 23, no. 4, pp. 665–679, 1976.
- [5] N. Nahavandi, S. Zegordi, and M. Abbasian, “Solving the dynamic job shop scheduling problem using bottleneck and intelligent agents based on genetic algorithm,” 2016.
- [6] S. M. Johnson, “Optimal two-and three-stage production schedules with setup times included,” *Naval research logistics quarterly*, vol. 1, no. 1, pp. 61–68, 1954.
- [7] H. G. Campbell, R. A. Dudek, and M. L. Smith, “A heuristic algorithm for the n job, m machine sequencing problem,” *Management science*, vol. 16, no. 10, B–630, 1970.
- [8] M. R. Garey, D. S. Johnson, and R. Sethi, “The complexity of flowshop and jobshop scheduling,” *Mathematics of operations research*, vol. 1, no. 2, pp. 117–129, 1976.
- [9] A. Kaban, Z. Othman, and D. Rohmah, “Comparison of dispatching rules in job-shop scheduling problem using simulation: A case study,” *International Journal of Simulation Modelling*, vol. 11, no. 3, pp. 129–141, 2012.
- [10] E. Hart and K. Sim, “A hyper-heuristic ensemble method for static job-shop scheduling,” *Evolutionary computation*, vol. 24, no. 4, pp. 609–635, 2016.

- [11] Z. Lomnicki, "A "branch-and-bound" algorithm for the exact solution of the three-machine scheduling problem," *Journal of the Operational Research Society*, vol. 16, no. 1, pp. 89–100, 1965.
- [12] J. Adams, E. Balas, and D. Zawack, "The shifting bottleneck procedure for job shop scheduling," *Management Science*, vol. 34, pp. 391–401, Mar. 1988. DOI: 10.1287/mnsc.34.3.391.
- [13] R. Zhang, "A simulated annealing-based heuristic algorithm for job shop scheduling to minimize lateness," *International Journal of Advanced Robotic Systems*, vol. 10, no. 4, p. 214, 2013.
- [14] E. D. Taillard, "Parallel taboo search techniques for the job shop scheduling problem," *ORSA journal on Computing*, vol. 6, no. 2, pp. 108–117, 1994.
- [15] J. B. Chambers and J. W. Barnes, "New tabu search results for the job shop scheduling problem," *The University of Texas, Austin, Technical Report Series ORP96-06, Graduate Program in Operations Research and Industrial Engineering*, 1996.
- [16] M. S. Fox, "Constraint-directed search: A case study of job-shop scheduling.," CARNEGIE-MELLON UNIV PITTSBURGH PA ROBOTICS INST, Tech. Rep., 1983.
- [17] A. Jones, L. C. Rabelo, and A. T. Sharawi, "Survey of job shop scheduling techniques," *Wiley encyclopedia of electrical and electronics engineering*, 2001.
- [18] R. Eberhart and J. Kennedy, "A new optimizer using particle swarm theory," in *MHS'95. Proceedings of the Sixth International Symposium on Micro Machine and Human Science*, Ieee, 1995, pp. 39–43.
- [19] T.-L. Lin, S.-J. Horng, T.-W. Kao, Y.-H. Chen, R.-S. Run, R.-J. Chen, J.-L. Lai, and I.-H. Kuo, "An efficient job-shop scheduling algorithm based on particle swarm optimization," *Expert Systems with Applications*, vol. 37, no. 3, pp. 2629–2636, 2010.
- [20] B. Giffler and G. L. Thompson, "Algorithms for solving production-scheduling problems," *Operations research*, vol. 8, no. 4, pp. 487–503, 1960.
- [21] Z. ZHONG, "Research on job-shop scheduling problem based on improved particle swarm optimization.," *Journal of Theoretical & Applied Information Technology*, vol. 47, no. 2, 2013.

- [22] M. Dorigo and G. Di Caro, "Ant colony optimization: A new meta-heuristic," in *Proceedings of the 1999 congress on evolutionary computation-CEC99 (Cat. No. 99TH8406)*, IEEE, vol. 2, 1999, pp. 1470–1477.
- [23] M. Dorigo, M. Dorigo, V. Manjezzo, and M. Trubian, "Ant system for job-shop scheduling," *Belgian Journal of Operations Research*, vol. 34, pp. 39–53, 1994.
- [24] S. Van der Zwaan and C. Marques, "Ant colony optimisation for job shop scheduling," in *Proceedings of the '99 Workshop on Genetic Algorithms and Artificial Life GAAL'99*, 1999.
- [25] C. S. Chong, A. I. Sivakumar, M. Y. H. Low, and K. L. Gay, "A bee colony optimization algorithm to job shop scheduling," in *Proceedings of the 38th conference on Winter simulation*, Winter Simulation Conference, 2006, pp. 1954–1961.
- [26] A. S. Jain and S. Meeran, "Deterministic job-shop scheduling: Past, present and future," *European journal of operational research*, vol. 113, no. 2, pp. 390–434, 1999.
- [27] T. Yamada and R. Nakano, "Genetic algorithms for job-shop scheduling problems," 1997.
- [28] A. Moraglio, H. Ten Eikelder, and R. Tadei, "Genetic local search for job shop scheduling problem," *sottoposto per la pubblicazione a European Journal of Operational Research*, 2005.
- [29] B. J. Park, H. R. Choi, and H. S. Kim, "A hybrid genetic algorithm for the job shop scheduling problems," *Computers & industrial engineering*, vol. 45, no. 4, pp. 597–613, 2003.
- [30] D. Whitley, S. Rana, and R. B. Heckendorn, "The island model genetic algorithm: On separability, population size and convergence," *Journal of computing and information technology*, vol. 7, no. 1, pp. 33–47, 1999.
- [31] J. Chen and B. J. Adams, "Integration of artificial neural networks with conceptual models in rainfall-runoff modeling," *Journal of Hydrology*, vol. 318, no. 1-4, pp. 232–249, 2006.
- [32] R. Ramasesh, "Dynamic job shop scheduling: A survey of simulation research," *Omega*, vol. 18, no. 1, pp. 43–57, 1990.
- [33] X. Shen, M. Zhang, and J. Fu, "Multi-objective dynamic job shop scheduling: A survey and prospects," *Int J Innov Comput Inf Control*, vol. 10, no. 6, pp. 2113–2126, 2014.

- [34] P. Cowling and M. Johansson, "Using real time information for effective dynamic scheduling," *European journal of operational research*, vol. 139, no. 2, pp. 230–244, 2002.
- [35] P. Lou, Q. Liu, Z. Zhou, H. Wang, and S. X. Sun, "Multi-agent-based proactive–reactive scheduling for a job shop," *The International Journal of Advanced Manufacturing Technology*, vol. 59, no. 1-4, pp. 311–324, 2012.
- [36] V. Jorge Leon, S. David Wu, and R. H. Storer, "Robustness measures and robust scheduling for job shops," *IIE transactions*, vol. 26, no. 5, pp. 32–43, 1994.
- [37] G. E. Vieira, J. W. Herrmann, and E. Lin, "Rescheduling manufacturing systems: A framework of strategies, policies, and methods," *Journal of scheduling*, vol. 6, no. 1, pp. 39–62, 2003.
- [38] I. Moon and J. Lee, "Genetic algorithm application to the job shop scheduling problem with alternative routings," *Pusan National University*, 2000.
- [39] G. Chryssolouris and V. Subramaniam, "Dynamic scheduling of manufacturing job shops using genetic algorithms," *Journal of Intelligent Manufacturing*, vol. 12, no. 3, pp. 281–293, 2001.
- [40] L. Zhang, L. Gao, and X. Li, "A hybrid genetic algorithm and tabu search for a multi-objective dynamic job shop scheduling problem," *International Journal of Production Research*, vol. 51, no. 12, pp. 3516–3531, 2013.
- [41] A. Madureira and J. Santos, "Proposal of multi-agent based model for dynamic scheduling in manufacturing.," *WSEAS Transactions on Information Science and Applications*, vol. 2, no. 5, pp. 600–605, 2005.
- [42] M. Kapanoglu and M. Alikalfa, "Learning if–then priority rules for dynamic job shops using genetic algorithms," *Robotics and Computer-Integrated Manufacturing*, vol. 27, no. 1, pp. 47–55, 2011.
- [43] T. Eguchi, F. Oba, and T. Hirai, "A neural network approach to dynamic job shop scheduling," in *Global Production Management*, Springer, 1999, pp. 152–159.
- [44] N. Mladenović and P. Hansen, "Variable neighborhood search," *Computers & operations research*, vol. 24, no. 11, pp. 1097–1100, 1997.
- [45] M. Adibi, M. Zandieh, and M. Amiri, "Multi-objective scheduling of dynamic job shop using variable neighborhood search," *Expert Systems with Applications*, vol. 37, no. 1, pp. 282–287, 2010.

- [46] D. Ouelhadj and S. Petrovic, “A survey of dynamic scheduling in manufacturing systems,” *Journal of scheduling*, vol. 12, no. 4, p. 417, 2009.
- [47] J. H. Holland, “Genetic algorithms,” *Scientific american*, vol. 267, no. 1, pp. 66–73, 1992.
- [48] D. Thierens and D. Goldberg, “Convergence models of genetic algorithm selection schemes,” in *International Conference on Parallel Problem Solving from Nature*, Springer, 1994, pp. 119–129.
- [49] R. Raghavjee and N. Pillay, *A comparative study of genetic algorithms using a direct and indirect representation in solving the south african school timetabling problem*, 2013.
- [50] T. Murata and H. Ishibuchi, “Positive and negative combination effects of crossover and mutation operators in sequencing problems,” in *Proceedings of IEEE International Conference on Evolutionary Computation*, IEEE, 1996, pp. 170–175.
- [51] S. Lawrence, *Resource constrained project scheduling: an experimental investigation of heuristic scheduling techniques*. In Graduate School of Industrial Administration, Carnegie Mellon University, Pittsburgh, Pennsylvania, 1984.
- [52] A. Baykasoğlu, A. İ. Sönmez, *et al.*, “Using multiple objective tabu search and grammars to model and solve multi-objective flexible job shop scheduling problems,” *Journal of Intelligent Manufacturing*, vol. 15, no. 6, pp. 777–785, 2004.
- [53] M. A. González, C. R. Vela, and R. Varela, “Genetic algorithm combined with tabu search for the job shop scheduling problem with setup times,” in *International Work-Conference on the Interplay Between Natural and Artificial Computation*, Springer, 2009, pp. 265–274.
- [54] S.-C. Lin, E. D. Goodman, and W. F. Punch, “Investigating parallel genetic algorithms on job shop scheduling problems,” in *International Conference on Evolutionary Programming*, Springer, 1997, pp. 383–393.