# References

[1] S. C. Ho, W. Szeto, Y.-H. Kuo, J. M. Leung, M. Petering, and T. W. Tou, "A survey of dial-a-ride problems: Literature review and recent developments," *Transportation Research Part B: Methodological*, vol. 111, pp. 395–421, 2018.

[2] K. Braekers, K. Ramaekers, and I. Nieuwenhuyse, "The vehicle routing problem: State of the art classification and review," *Computers & Industrial Engineering*, vol. 99, 12 2015. doi: 10.1016/j.cie.2015.12.007

[3] B. Eksioglu, A. V. Vural, and A. Reisman, "The vehicle routing problem: A taxonomic review," *Computers & Industrial Engineering*, vol. 57, no. 4, pp. 1472–1483, 2009.

[4] J. K. Lenstra and A. R. Kan, "Complexity of vehicle routing and scheduling problems," *Networks*, vol. 11, no. 2, pp. 221–227, 1981.

[5] G. Berbeglia, J.-F. Cordeau, I. Gribkovskaia, and G. Laporte, "Static pickup and delivery problems: a classification scheme and survey," *Top*, vol. 15, no. 1, pp. 1–31, 2007.

[6] G. Laporte, "Fifty years of vehicle routing," *Transportation science*, vol. 43, no. 4, pp. 408–416, 2009.

[7] B. Hunsaker and M. Savelsbergh, "Efficient feasibility testing for dial-a-ride problems," *Operations research letters*, vol. 30, no. 3, pp. 169–173, 2002.

[8] J.-F. Cordeau, "A branch-and-cut algorithm for the dial-a-ride problem," *Operations Research*, vol. 54, no. 3, pp. 573–586, 2006.

[9] P. Shaw, "Using constraint programming and local search methods to solve vehicle routing problems," in *International conference on*

*principles and practice of constraint programming.* Springer, 1998, pp. 417–431.

[10] Y. Molenbruch, K. Braekers, and A. Caris, "Typology and literature review for dial-a-ride problems," *Annals of Operations Research*, vol. 259, no. 1-2, pp. 295–325, 2017.

[11] S. Ropke and D. Pisinger, "An adaptive large neighborhood search heuristic for the pickup and delivery problem with time windows," *Transportation Science*, vol. 40, pp. 455–472, 11 2006. doi: 10.1287/trsc.1050.0135

[12] T. Gschwind and M. Drexl, "Adaptive large neighborhood search with a constant-time feasibility test for the dial-a-ride problem," Gutenberg School of Management and Economics, Johannes Gutenberg-Universität Mainz, Tech. Rep., 2016.

[13] R. Masson, F. Lehuédé, and O. Péton, "An adaptive large neighborhood search for the pickup and delivery problem with transfers," *Transportation Science*, vol. 47, no. 3, pp. 344–355, 2013.

[14] D. Pisinger and S. Ropke, "Large neighborhood search," in *Handbook of metaheuristics.* Springer, 2010, pp. 399–419.

[15] S. Vallée, A. Oulamara, and W. R. Cherif-Khettaf, "Reinsertion algorithm based on destroy and repair operators for dynamic dial a ride problems," in *International Conference on Computational Science.* Springer, 2019, pp. 81–95.

[16] S. Vallée, A. Oulamara, and W. R. Cherif-Khettaf, "New online reinsertion approaches for a dynamic dial-a-ride problem," *Journal of Computational Science*, vol. 47, p. 101199, 2020.

[17] T. Gschwind and S. Irnich, "Effective handling of dynamic time windows and its application to solving the dial-a-ride problem," *Transportation Science*, vol. 49, no. 2, pp. 335–354, 2015.

[18] S. Belhaiza, "A hybrid adaptive large neighborhood heuristic for a real-life dial-a-ride problem," *Algorithms*, vol. 12, no. 2, p. 39, 2019.

[19] N. Mladenović and P. Hansen, "Variable neighborhood search," *Computers & operations research*, vol. 24, no. 11, pp. 1097–1100, 1997.

[20] S. N. Parragh, K. F. Doerner, R. F. Hartl, and X. Gandibleux, "A heuristic two-phase solution approach for the multi-objective dial-a-ride problem," *Networks: An International Journal*, vol. 54, no. 4, pp. 227–242, 2009.

[21] S. N. Parragh, K. F. Doerner, and R. F. Hartl, "Variable neighborhood search for the dial-a-ride problem," *Computers & Operations Research*, vol. 37, no. 6, pp. 1129–1138, 2010.

[22] F. Glover, "Tabu search—part i," *ORSA Journal on computing*, vol. 1, no. 3, pp. 190–206, 1989.

[23] J.-F. Cordeau and G. Laporte, "A tabu search heuristic for the static multi-vehicle dial-a-ride problem," *Transportation Research Part B: Methodological*, vol. 37, no. 6, pp. 579–594, 2003.

[24] Y. Shi, T. Boudouh, and O. Grunder, "An efficient tabu search based procedure for simultaneous delivery and pick-up problem with time window," *IFAC-PapersOnLine*, vol. 51, no. 11, pp. 241–246, 2018.

[25] D. Goeke, "Granular tabu search for the pickup and delivery problem with time windows and electric vehicles," *European Journal of Operational Research*, vol. 278, no. 3, pp. 821–836, 2019.

[26] S. Ho, S. C. Nagavarapu, R. R. Pandi, and J. Dauwels, "An improved tabu search heuristic for static dial-a-ride problem," *arXiv preprint arXiv:1801.09547*, 2018.

[27] M. A. Masmoudi, K. Braekers, M. Masmoudi, and A. Dammak, "A hybrid genetic algorithm for the heterogeneous dial-a-ride problem," *Computers & operations research*, vol. 81, pp. 1–13, 2017.

[28] G. Berbeglia, J.-F. Cordeau, and G. Laporte, "Dynamic pickup and delivery problems," *European journal of operational research*, vol. 202, no. 1, pp. 8–15, 2010.

[29] Y. Luo and P. Schonfeld, "Online rejected-reinsertion heuristics for dynamic multivehicle dial-a-ride problem," *Transportation research record*, vol. 2218, no. 1, pp. 59–67, 2011.

[30] C. H. Häll, M. Högberg, and J. T. Lundgren, "A modeling system for simulation of dial-a-ride services," *Public Transport*, vol. 4, no. 1, pp. 17–37, 2012.

[31] S. Mitrović-Minić, R. Krishnamurti, and G. Laporte, "Double-horizon based heuristics for the dynamic pickup and delivery problem with time windows," *Transportation Research Part B: Methodological*, vol. 38, no. 8, pp. 669–685, 2004.

[32] S. Mitrović-Minić and G. Laporte, "Waiting strategies for the dynamic pickup and delivery problem with time windows," *Transportation Research Part B: Methodological*, vol. 38, no. 7, pp. 635–655, 2004.

[33] V. Pureza and G. Laporte, "Waiting and buffering strategies for the dynamic pickup and delivery problem with time windows," *INFOR: Information Systems and Operational Research*, vol. 46, no. 3, pp. 165–175, 2008.

[34] G. Ghiani, E. Manni, A. Quaranta, and C. Triki, "Anticipatory algorithms for same-day courier dispatching," *Transportation Research Part E: Logistics and Transportation Review*, vol. 45, no. 1, pp. 96–106, 2009.

[35] J. Tang, Y. Kong, H. Lau, and A. W. Ip, "A note on "efficient feasibility testing for dial-a-ride problems"," *Operations Research Letters*, vol. 38, no. 5, pp. 405–407, 2010.

[36] D. Haugland and S. C. Ho, "Feasibility testing for dial-a-ride problems," in *International Conference on Algorithmic Applications in Management*. Springer, 2010, pp. 170–179.

[37] M. Firat and G. J. Woeginger, "Analysis of the dial-a-ride problem of hunsaker and savelsbergh," *Operations Research Letters*, vol. 39, no. 1, pp. 32–35, 2011.

[38] C. H. Häll and A. Peterson, "Improving paratransit scheduling using ruin and recreate methods," *Transportation planning and technology*, vol. 36, no. 4, pp. 377–393, 2013.

[39] K. Braekers, A. Caris, and G. K. Janssens, "Exact and meta-heuristic approach for a general heterogeneous dial-a-ride problem with multiple depots," *Transportation Research Part B: Methodological*, vol. 67, pp. 166–186, 2014.