

## **Bibliography**

- [1] A century of transport: a record of achievement of the Ministry of Transport of the Union of South Africa. Da Gama Publications, Cape Town, 1960.
- [2] The American Heritage Dicionary of the English Languaue. Houghton Mifflin Company, 4<sup>th</sup> edition, 2000.
- [3] D. Avison and G. Fitzgerald. Information systems development: Methodologies, techniques, and tools. McGraw-Hill, Berkshire, UK, 3<sup>rd</sup> edition, 2003.
- [4] B.M. Baker and M.A. Ayechew. A genetic algorithm for the vehicle routing problem. Computers and Operations Research, 30(5):787–800, 2003.
- [5] D. Banister. Transport and urban development. E & FN Spon, London,  $1^{st}$  edition, 1995.
- [6] G. Baseman. The cars that ate London, Paris, Brussels, Amsterdam, Rome, Madrid, Vienna, Athens .. TIME Europe Magazine, 161(8):37– 40, February 2003.
- [7] M. Baybars and M. Browne. Developments in urban distribution in London. In E. Taniguchi and R.G. Thompson, editors, City Logistics III, pages 303–317. Institute for City Logistics, Institute of Systems Science Research, June 2003.
- [8] Z. Botha. First batch of taxi permits issued. Martin Creamer's Engineering News, 23(17):10.
- [9] J. Brandão and A. Mercer. A tabu search algorithm for the multi-trip vehicle routing and scheduling problem. European Journal of Operational Research, 100:180–191, 1997.
- [10] O. Bräysy and M. Gendreau. Tabu search heuristics for the vehicle routing problem with time windows. Report stf42 a01022, SINTEF Applied Mathematics, Research Council of Norway, December 2001.

- [11] S.E. Butt and D.M. Ryan. An optimal solution procedure for the multiple tour maximum collection problem using column generation. Computers and Operations Research, 26:427–441, 1999.
- [12] G. Cambridge. Taxi re-capitalisation project. Technical report, Department of Trade and Industry (DTI), October 2000.
- [13] N. Christofides, A. Mingozzi, and P. Toth. The Vehicle Routing Problem. John Wiley & Sons, New York, 1979.
- [14] G. Clarke and J.W. Wright. Scheduling of vehicles from a central depot to a number of delivery points. Operations Research, 12:568–581, 1964.
- [15] Government Communication and Information System (GCIS). South Africa Yearbook 2002/03. South Africa Oficial Yearbook. Government Communication and Information System (GCIS) and STA Publications, 9<sup>th</sup> edition, October 2002.
- [16] E. De Boer. Transport sociology: social aspects of transport planning. Pergamon Press, New York, 1<sup>st</sup> edition, 1986.
- [17] J.A. De Bruijn and E.F. tenHeuvelhof. *Managing complex networks:* strategies for the public sector. Thousand Oaks, London, 1997.
- [18] B. de Saint-Laurent. Overview of urban transport in South Africa: Lessons from Europe. In Peter Freeman and Christian Jamet, editors, Urban transport policy — a sustainable development tool, Rotterdam, 1998. CODATU, A.A. Balkema.
- [19] W. Dullaert, G.K. Janssens, K. Sörensen, and B. Vernimmen. New heuristics for the fleet size and mix vehicle routing problem with time windows. In 9th World Conference on Transport Research, July 22–27, 2001, COEX Convention Center, Seoul, 2001.
- [20] M. Gendreau, G. Laporte, C. Musaraganyi, and É.D. Taillard. A tabu search heuristic for the heterogeneous fleet vehicle routing problem. Computers and Operations Research, 26:1153-1173, 1999.
- [21] F. Glover. A user's guide to tabu search. Annals of Operations Research, 41:3–28, 1993.
- [22] B. Golden, A. Assad, L. Levy, and F. Gheysens. The fleet size and mix vehicle routing problem. Computers and Operations Research, 11(1):49– 66, 1984.
- [23] J.H. Holland. Adaptation in natural and artificial systems: an introductory analysis with applications to biology, control, and artificial intelligence. MIT Press, Cambridge, Massachusetts, 1992.



- [24] J. Homberger. Extended SOLOMON'S VRPTW instances. World wide web at http://www.fernuni-hagen.de/WINF/touren/inhalte/probinst.htm, September 2003.
- [25] T. Ibaraki, S. Imahori, M. Kubo, T. Masuda, T. Uno, and M. Yagiura. Effective local search algorithms for routing and scheduling problems with general time window constraints. *Transportation Science*, Forthcoming.
- [26] S. Kirkpatric, C.D. Gelatt, and M.P. Vecchi. Optimisation by simulated annealing. Science, 20:671–680, 1983.
- [27] G. Laporte. The vehicle routing problem: An overview of exact and approximate algorithms. European Journal of Operational Research, 59:345–358, 1992.
- [28] P.A. Leinbach and T. Stansfield. Living up to expectations. *IE Solutions*, 34(11):24–30, November 2002.
- [29] J.K. Lenstra and A.H.G. Rinnooy Kan. Complexity of vehicle routing and scheduling problems. *Networks*, 11:221–227, 1981.
- [30] V.S. Lipman and V.A. Monaghan. Moving South Africa motivation and progress. In Peter Freeman and Christian Jamet, editors, *Urban transport policy — a sustainable development tool*, Rotterdam, 1998. CODATU, A.A. Balkema.
- [31] F.-H. Liu and S.-Y. Shen. The fleet size and mix vehicle routing problem with time windows. *Journal of the Operational Research Society*, 50:721-732, 1999.
- [32] F.-H. Liu and S.-Y. Shen. A method for Vehicle Routing Problem with Multiple Vehicle Types and Time Windows. Proceedings of the National Science Council, Republic of China, ROC(A), 23(4):526-536, 1999.
- [33] J. Mouton. How to succeed in your Master's and Doctoral studies: a South African guide and resource book. Van Schaik, 1<sup>st</sup> edition, 2001.
- [34] A.J. Nothnagel. Overview of the South African national land transport policy. In Peter Freeman and Christian Jamet, editors, *Urban transport* policy — a sustainable development tool, Rotterdam, 1998. CODATU, A.A. Balkema.
- [35] Department of Environmental Affairs and Tourism. White paper on integrated pollution and waste management for South Africa. Republic of South Africa, 2000.

- [36] Department of Transport. Airports Company Act, Act 44 of 1993. Government printer, Pretoria, South Africa, 1993.
- [37] Department of Transport. National Land Transport Transition Act, Act 22 of 2000. Government printer, Pretoria, South Africa, 2000.
- [38] SARB Chair of Transportation Engineering. Transportation in context. University of Pretoria, 2003.
- [39] SARB Chair of Transportation Engineering. *Transportation in society*. University of Pretoria, 2003.
- [40] R. Ooishi and E. Taniguchi. Effects and profitability of constructing the new underground freight transport system. In Eiichi Taniguchi and Russell G. Thompson, editors, *City Logistics I.* Institute for City Logistics, Institute of Systems Science Research, 1999.
- [41] I.H. Osman. Metastrategy simulated annealing and tabu search algorithms for the vehicle routing problem. *Annals of Operations Research*, 41:147–167, 1995.
- [42] H. Otto. 2 die as cement mixer crushes vehicles. Pretoria News, page 1, February 7 2003.
- [43] R.L. Rardin. Optimization in Operations Research. Prentice Hall, Upper Saddle River, New Jersey, 1998.
- [44] C.R. (Ed) Reeves, editor. Modern heuristic techniques for combinatorial problems. Blackwell Scientific, Oxford, 1<sup>st</sup>MIT Press edition, 1993.
- [45] S. Salhi and G.K. Rand. Incorporating vehicle routing into the vehicle fleet composition problem. European Journal of Operational Research, 66:313–330, 1993.
- [46] M.M. Solomon. Algorithms for the vehicle routing and scheduling problems with time windows. Operations Research, 35(2):254–265, 1987.
- [47] M.M. Solomon. VRPTW benchmark problems. World wide web at http://w.cba.neu.edu/~msolomon/problems.htm, June 2003.
- [48] M.N. Spence. Western Cape Provincial Transport Policy. In Peter Freeman and Christian Jamet, editors, Urban transport policy — a sustainable development tool, Rotterdam, 1998. CODATU, A.A. Balkema.
- [49] H.A. Taha. Operations research: an introduction. Pearson Education, Inc., Upper Saddle River, New Jersey, 7<sup>th</sup> edition, 2003.
- [50] É.D. Taillard. A heuristics column generation method for the heterogeneous fleet VRP. Operations Research – Recherche opérationnelle, 33:1–14, 1999.



- [51] É.D. Taillard, P. Badeau, M. Gendreau, F. Guertin, and J.Y. Potvin. A tabu search heuristic for the vehicle routing problem with soft time windows. *Transportation Science*, 31(2):170–186, May 1997.
- [52] É.D. Taillard, L.M. Gambardella, M. Gendreau, and J.Y. Potvin. Adaptive memory programming: A unified view of metaheuristics. European Journal of Operational Research, 135(1):1–16, 2001.
- [53] É.D. Taillard, G. Laporte, and M. Gendreau. Vehicle routeing with multiple use of vehicles. *Journal of the Operational Research Society*, 47:1065–1070, 1996.
- [54] K.C. Tan, L.H. Lee, Q.L. Zhu, and K. Ou. Heuristic methods for vehicle routing problem with time windows. Artificial Intelligence in Engineering, 15:281–295, 2001.
- [55] E. Taniguchi, R.G.Thompson, and T. Yamada. Modelling city logistics. In Eiichi Taniguchi and Russell G. Thompson, editors, City Logistics I. Institute for City Logistics, Institute of Systems Science Research, 1999.
- [56] E. Taniguchi, R.G. Thompson, and T. Yamada. Visions for city logistics. In E. Taniguchi and R.G. Thompson, editors, City Logistics III, pages 3–17. Institute for City Logistics, Institute for Systems Science Research, June 2003.
- [57] E. Taniguchi, R.G. Thompson, T. Yamada, and R. van Duin. City Logistics: network modelling and intelligent transport systems. Pergamon, Oxford, UK, 2001.
- [58] S.R. Thangiah. Practical handbook of genetic algorithms: new frontiers, volume II, chapter Vehicle routing with time windows using genetic algorithms, pages 253–278. CRC Press, 1995.
- [59] S.R. Thangiah, I.H. Osman, and T. Sun. Hybrid genetic algorithms, simulated annealing, and tabu search methods for vehicle routing problems with time windows. Technical report ukc/or94/4, Institute of Mathematics and Statistics, University of Kent, UK, 1994.
- [60] W.I. Thomas and M. Janowitz. W.I. Thomas on social organization and social personality: selected papers. University of Chicago Press, Chicago, 1966.
- [61] A. Van Breedam. Comparing descent heuristics and metaheuristics for the vehicle routing problem. Computers and Operations Research, 28:289–315, 2001.
- [62] J.H.R. van Duin, P.W.G. Bots, and M.J.W van Twist. Improving strategic decision making: dynamic actor network analysis. In *IEEE*



- International conference on systems, man, and cybernetics, pages 1013–1017. IEEE, 1999.
- [63] A. Villa. Introducing some supply chain management problems. *International Journal of Production Economics*, 73(1):1–4, 2001.
- [64] J.L. Whitten and L.D. Bentley. Systems analysis and design methods. McGraw-Hill, Boston, Massachusetts, 4<sup>th</sup> edition, 1998.
- [65] W.L. Winston and M. Venkataramanan. Introduction to mathematical programming, volume 1 of Operations Research. Brooks/Cole - Thomson Learning, Pacific Grove, CA, 4<sup>th</sup> edition, 2003.