

Referências Bibliográficas

- [1] ABDALLA, A. M. *Computing a diameter-constrained minimum spanning tree*. Tese de Doutorado, College of Engineering and Computing Science, University of Central Florida, 2001.
- [2] ACHUTHAN, N. R., CACCIETTA, L., CACCIETTA, P. A., GEELEN, J. F. Algorithms for the minimum weight spanning tree with bounded diameter problem. Em *Optimization Techniques and Applications*, K. H. Phua, C. M. Wand, W. Y. Yeong, T. Y. Leong, H. T. Loh, K. C. Tan, e F. Chou, Eds., vol. 1. World Scientific, Singapore, 1992, p. 297–304.
- [3] ACHUTHAN, N. R., L. CACCIETTA, CACCIETTA, P. A., GEELEN, J. F. Computational methods for the diameter restricted minimum weight spanning tree problem. *Australasian Journal of Combinatorics* 10 (1994), 51–71.
- [4] AIEX, R., RESENDE, M., RIBEIRO, C. Probability distribution of solution time in GRASP: An experimental investigation. *J. of Heuristics* 8 (2002), 343–373.
- [5] AIEX, R., RESENDE, M., RIBEIRO, C. TTTPLOTS: A Perl program to create time-to-target plots. *Optimization Letters* 1 (2007), 355–366.
- [6] ALBA, E., ALMEIDA, F., BLESÁ, M., COTTA, C., DÍAZ, M., DORTA, I., GABARRÓ, J., GONZÁLEZ, J., LEÓN, C., MORENO, L., PETIT, J., ROJAS, J., XHAFA, F. MALLBA: A library of skeletons for combinatorial optimisation. Em *Euro-Par 2002 Parallel Processing*, B. Monien e R. Feldman, Eds., vol. 2400 de *Lecture Notes in Computer Science*. Springer, 2002, p. 927–932.
- [7] ALBA, E., LUQUE, G., GARCIA-NIETO, J., ORDONEZ, G., LEGUIZAMON, G. MALLBA: A software library to design efficient optimisation algorithms. *International Journal of Innovative Computing and Applications* 1 (2007), 74–85.
- [8] ALBA, E., NEBRO, A. New technologies in parallelism. Em *Parallel Metaheuristics - A New Class of Algorithms*, E. Alba, Ed. Wiley, 2005, p. 63–78.

- [9] ALBA, E., TALBI, E., LUQUE, G., MELAB, N. Metaheuristics and parallelism. Em *Parallel Metaheuristics - A New Class of Algorithms*, E. Alba, Ed. Wiley, 2005, p. 79–103.
- [10] ALVIM, A. Estratégias de paralelização da metaheurística GRASP. Dissertação de Mestrado, Departamento de Informática, PUC-Rio, 1998.
- [11] ANAGNOSTOPOULOS, A., MICHEL, L., HENTENRYCK, P., VERGADOS, Y. A simulated annealing approach to the traveling tournament problem. Em *5th International Workshop on Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems* (Montreal, 2003), p. 80–91.
- [12] ANAGNOSTOPOULOS, A., MICHEL, L., HENTENRYCK, P., VERGADOS, Y. A simulated annealing approach to the traveling tournament problem. *Journal of Scheduling* 9 (2006), 177–193.
- [13] ARAÚJO, A., BOERES, C., REBELLO, V., RIBEIRO, C., URRUTIA, S. Towards grid implementations of metaheuristics for hard combinatorial optimization problems. Em *19th International Symposium on Mathematical Programming* (Rio de Janeiro, 2006), p. 88–88.
- [14] ARAÚJO, A., BOERES, C., REBELLO, V., RIBEIRO, C., URRUTIA, S. Exploring grid implementations of parallel cooperative metaheuristics: A case study for the mirrored traveling tournament problem. Em *Metaheuristics: Progress in Complex Systems Optimization*, K. Doerner, M. Gendreau, P. Greistorfer, W. Gutjahr, R. Hartl, e M. Reimann, Eds. Springer, 2007, p. 297–322.
- [15] ARAÚJO, A., REBELLO, V., BOERES, C., RIBEIRO, C., URRUTIA, S. A hierarchical distributed strategy to cooperative grid implementations of metaheuristics. Em *7th Metaheuristics International Conference* (Montréal, 2007), p. 42–42.
- [16] ARAÚJO, A., REBELLO, V., RIBEIRO, C., URRUTIA, S. A grid implementation of a GRASP-ILS heuristic for the mirrored traveling tournament problem. Em *6th Metaheuristics International Conference* (Viena, 2005), p. 70–76.
- [17] ARAÚJO, A., URRUTIA, S., BOERES, C., REBELLO, V., RIBEIRO, C. Towards grid implementations of metaheuristics for hard combinatorial optimization problems. Em *Proceedings of the 17th International Symposium on Computer Architecture and High Performance Computing* (Rio de Janeiro,

- 2005), C. Amorim, G. Silva, V. Rebello, e J. Dongarra, Eds., IEEE Press, p. 19–26.
- [18] ARENAS, M., COLLET, P., EIBEN, A., JELASITY, M., MEREOLO, J., PAECHTER, B., PREU, M., SCHOENAUER, M. A framework to distributed evolutionary algorithms. Em *Proceedings of 8th Parallel Problem Solving from Nature*, M. Guervós, J. Julián, P. Adamidis, H. Beyer, J. L. F. Villacañas, e H. Schwefel, Eds., vol. 2439 de *Lecture Notes in Computer Science*. Springer, 2002, p. 665–675.
- [19] ARPACI-DUSSEAU, A. C., ARPACI-DUSSEAU, R. H., CULLER, D. E., HELLERSTEIN, J. M., PATTERSON, D. A. High-performance sorting on networks of workstations. Em *Proceedings ACM SIGMOD International Conference on Management of Data* (1997), J. Peckham, Ed., ACM Press, p. 243–254.
- [20] ASADZADEH, P., BUYYA, R., KEI, C., NAYAR, D., VENUGOPAL, S. Global grids and software toolkits: A study of four grid middleware technologies. Em *High Performance Computing: Paradigm and Infrastructure*, L. Yang e M. Guo, Eds. Wiley, 2005, p. 431–458.
- [21] AUSTIN, S. An introduction to genetic algorithms. *AI Expert* 5 (1990), 48–53.
- [22] BAKER, M., BUYYA, R. Cluster Computing at a Glance. Em *High Performance Cluster Computing: Architectures and Systems*, R. Buyya, Ed. Prentice Hall, 1999, capítulo 1, p. 3–47.
- [23] BAL, H. E. The Orca Parallel Programming Language. Disponível em <http://www.cs.vu.nl/orca/>, última visita em 22 de Maio de 2008.
- [24] BAR-NOY, A., MOODY, D. A tiling approach for fast implementation of the traveling tournament problem. Em *Proceedings of the 6th International Conference on the Practice and Theory of Automated Timetabling* (2006), E. K. Burke e H. Rudova, Eds., p. 351–358.
- [25] BEAN, J., BIRGE, J. Reducing traveling costs and player fatigue in the national basketball association. *Interfaces* 10 (1980), 98–102.
- [26] BEASLEY, J. Welcome to OR-Library. Disponível em <http://people.brunel.ac.uk/mastjjb/jeb/info.html>, última visita em 06 de Fevereiro de 2008.

- [27] BENOIST, T., LABURTHE, F., ROTTEMBOURG, B. Lagrange relaxation and constraint programming collaborative schemes for traveling tournament problems. Em *Integration of AI and OR Techniques in Constraint* (Ashford, 2001), p. 15–26.
- [28] BERMAN, F., CHIEN, A., COOPER, K., DONGARRA, J., FOSTER, I., GANNON, D., JOHNSSON, L., KENNEDY, K., KESSELMAN, C., MELLOR-CRUMMEY, J., REED, D., TORCZON, L., WOLSKI, R. The GrADS Project: Software support for high-level grid application development. *International Journal of High Performance Computing Applications* 15 (2001), 327–344.
- [29] BLUM, C., ROLI, A., ALBA, E. An introduction to metaheuristic techniques. Em *Parallel Metaheuristics - A New Class of Algorithms*, E. Alba, Ed. Wiley, 2005, p. 3–42.
- [30] BOERES, C., FONSECA, A. A., MENDES, H. A., MENEZES, L. T., MOURA, N. T., SILVA, J. A., VIANNA, B. A., REBELLO, V. E. F. An easygrid portal for scheduling system-aware applications on computational grids. *Concurrency and Computation: Practice and Experience* 18 (2005), 553–566.
- [31] BOERES, C., LIMA, A., REBELLO, V. Hybrid task scheduling: Integrating static and dynamic heuristics. Em *Proceedings of the 15th International Symposium on Computer Architecture and High Performance Computing* (São Paulo, 2003), IEEE Press, p. 199–206.
- [32] BOERES, C., REBELLO, V. EasyGrid: Towards a framework for the automatic grid enabling of legacy MPI applications. *Concurrency and Computation: Practice and Experience* 17 (2004), 425–432.
- [33] BOERES, C., SENA, A., NASCIMENTO, A., SILVA, J., VIANNA, D. Q., REBELLO, V. On the advantages of an alternative MPI execution model for the grids. Em *Proceedings of the 7th IEEE International Symposium on Cluster Computing and the Grid* (Rio de Janeiro, 2007), IEEE Press, p. 575–582.
- [34] BURKE, E. K., KENDALL, G. Introduction. Em *Search Methodologies - Introductory Tutorials in Optimization and Decision Support Techniques*, E. K. Burke e G. Kendall, Eds. Springer, 2005, p. 5–18.

- [35] BUYYA, R., ABRAMSON, D., GIDDY, J. Research from the trenches: Nimrod-G resource broker for service-oriented grid computing. *IEEE Distributed Systems Online* 2 (2001).
- [36] CAHON, S., MELAB, N., TALBI, E.-G. ParadisEO: A framework for the reusable design of parallel and distributed metaheuristics. *Journal of Heuristics* 17 (2004), 357–380.
- [37] CASAVANT, T., KUHL, J. A taxonomy of scheduling in general-purpose distributed computing systems. *IEEE Transactions on Software Engineering* (1988), 141–154.
- [38] CHEN, P. C., KENDALL, G., BERGHE, V. An ant based hyper-heuristic for the travelling tournament problem. Em *Proceedings of 2007 IEEE Symposium on Computational Intelligence in Scheduling* (Honolulu, 2007), G. Kendall, E. K. Burke, S. Smith, e K. C. Tan, Eds., IEEE Press, p. 19–26.
- [39] CIRNE, W., MARZULLO, K. Open Grid: A user-centric approach for grid computing. Em *13th Symposium on Computer Architecture and High Performance Computing* (Pirinópolis, 2001), p. 106–111.
- [40] CIRNE, W., SILVA, D. P., COSTA, L., SANTOS-NETO, E., BRASILEIRO, F. V., SAUVÉ, J. P., SILVA, F. A. B., BARROS, C. O., SILVEIRA, C. Running Bag-of-Tasks applications on computational grids: The MyGrid approach. Em *Proceedings of the 5th International Conference on Parallel Processing* (Kaohsiung, 2003), p. 407–418.
- [41] COSTA, D. An evolutionary tabu search algorithm and the NHL scheduling problem. *INFOR* 33 (1995), 161–178.
- [42] COSTA, J., LOPES, N., SILVA, P. JDEAL: the Java Distributed Evolutionary. Disponível em <http://www.cs.umd.edu/projetc/plus/ec/ecj/>, última visita em 24 de Agosto de 2007.
- [43] CRAINIC, T., TOULOUSE, M. Parallel strategies for metaheuristics. Em *State-of-the-Art Handbook of Metaheuristics*, F. Glover e G. Kochenberger, Eds. Kluwer Academic Publishers, 2003, p. 475–513.
- [44] CRAUWELS, H., OUDHEUSDEN, D. A generate-and-test heuristic inspired by ant colony optimization for the traveling tournament problem. Em *Proceedings of the 4th International Conference on the Practice and Theory of Automated Timetabling* (Gent, 2002), E. K. Burke e P. D. Causmaecker, Eds., p. 314–315.

- [45] CRAUWELS, H., OUDHEUSDEN, D. Ant colony optimization and local improvement. Em *Workshop of Real-Life Applications of Metaheuristics* (Antwerp, 2003), p. 154–160.
- [46] CUNG, V.-D., MARTINS, S., RIBEIRO, C., ROUCAIROL, C. Strategies for the parallel implementation of metaheuristics. Em *Essays and Surveys in Metaheuristics*, C. Ribeiro e P. Hansen, Eds. Kluwer Academic Publishers, 2002, p. 263–308.
- [47] DANTAS, M. *Tecnologias de Redes de Comunicação e Computadores*. Aexcel Books, 2002.
- [48] DANTAS, M. *Computação Distribuída de Alto Desempenho: Redes, Clusters e Grids Computacionais*. Aexcel Books, 2005.
- [49] DEO, N., ABDALLA, A. Computing a diameter-constrained minimum spanning tree in parallel. Em *Proceedings of the 4th Italian Conference on Algorithms and Complexity*, G. Bongiovanni, G. Gambosi, e R. Petreschi, Eds., vol. 1767 de *Lecture Notes in Computer Science*. Springer, 2000, p. 17–31.
- [50] DI GASPERO, L., SCHAEFER, A. Easylocal++: An object-oriented framework for the design of local search algorithms and metaheuristics. Em *IV Metaheuristics International Conference* (Porto, 2001), p. 287–292.
- [51] DI GASPERO, L., SCHAEFER, A. A Tabu Search approach to the Traveling Tournament Problem. Em *VI Metaheuristics International Conference* (Viena, 2005), p. 630–636.
- [52] DI GASPERO, L., SCHAEFER, A. A Composite-neighborhood Tabu Search Approach to the Traveling Tournament Problem. *Journal of Heuristics* 13 (2007), 189–207.
- [53] DONGARRA, J., DUNIGAN, T. Message-passing performance of various computers. *Concurrency and Computation: Practice and Experience* 9 (1997), 915–926.
- [54] DONGARRA, J., GEIST, A., JIANG, W., KOHL, J., MANCHEK, R., PAPADOPOULOS, P., SUNDERAM, V., FISCHER, M. PVM: Parallel Virtual Machine. Disponível em <http://www.csm.ornl.gov/pvm>, última visita em 15 de Setembro de 2007.
- [55] DRUMMOND, L., VIANNA, L., SILVA, M., OCHI, L. Distributed parallel metaheuristics based on GRASP and VNS for solving the traveling purchaser

- problem. Em *Proceedings of the Ninth International Conference on Parallel and Distributed Systems* (Taiwan, 2002), IEEE Press, p. 1–7.
- [56] EASTON, K., NEMHAUSER, G., TRICK, M. The traveling tournament problem: Description and benchmarks. Em *Principles and Practice of Constraint Programming*, T. Walsh, Ed., vol. 2239 de *Lecture Notes in Computer Science*. Springer, 2001, p. 580–589.
- [57] EASTON, K., NEMHAUSER, G., TRICK, M. Solving the travelling tournament problem: A combined integer programming and constraint programming approach. Em *Selected Papers from the 4th International Conference on the Practice and Theory of Automated Timetabling*, E. Burke e P. Causmaecker, Eds., vol. 2740 de *Lecture Notes in Computer Science*. Springer, 2003, p. 100–109.
- [58] EASTON, K., NEMHAUSER, G., TRICK, M. Sports scheduling. Em *Handbook of Scheduling: Algorithms, Models and Performance Analysis*, J. Leung, Ed. CRC Press, 2004, p. 1–19.
- [59] EKISOGLU, S., PARDALOS, P., RESENDE, M. Parallel metaheuristics for combinatorial optimization. Em *Models for Parallel and Distributed Computation - Theory, Algorithmic Techniques and Applications*, R. Correa, I. Dutra, M. Fiallos, e F. Gomes, Eds. Kluwer Academic Publishers, 2002, p. 179–206.
- [60] FEO, T., RESENDE, M. Greedy randomized adaptive search procedures. *Journal of Global Optimization* 6 (1995), 109–133.
- [61] FERREIRA, L., BERSTIS, V., ARMSTRONG, J., KENDZIERSKI, M., NEUKOETTER, A., TAKAGI, M., BING-WO, R., AMIR, A., MURAKAWA, R., HERNANDEZ, O., MAGOWAN, J., BIEBERSTEIN, N. *Introduction to Grid Computing with Globus*. 2º edição. IBM, 2003.
- [62] FESTA, P., RESENDE, M. GRASP: An annotated bibliography. Em *Essays and Surveys in Metaheuristics*, C. Ribeiro e P. Hansen, Eds. Kluwer Academic Publishers, 2002, p. 325–367.
- [63] FOSTER, I. *Designing and Building Parallel Programs*. Addison-Wesley, 1995.
- [64] FOSTER, I. The grid: A new infrastructure for 21st century science. *Physics Today* 55 (2002), 42–47.

- [65] FOSTER, I., KESSELMAN, C. Globus: A metacomputing infrastructure toolkit. *The International Journal of Supercomputer Applications and High Performance Computing* 11 (1997), 115–128.
- [66] FOSTER, I., KESSELMAN, C., Eds. *The GRID 2 - Blueprint for a New Computing Infrastructure*. 2º edição. Morgan Kaufmann, 2004.
- [67] FOSTER, I., KESSELMAN, C., NICK, J. M., TUECKE, S. Grid services for distributed system integration. *Computer* 35 (2002), 37–46.
- [68] FOSTER, I., KESSELMAN, C., TUECKE, S. The anatomy of the grid: Enabling scalable virtual organizations. *International Journal of Supercomputer Applications* 15 (2001), 200–222.
- [69] FREY, J., TANNENBAUM, T., FOSTER, I., LIVNY, M., TUECKE, S. Condor-G: A computation management agent for multi-institutional grids. *Cluster Computing* 5 (2002), 237–246.
- [70] FRIGO, M. The Cilk Project. Disponível em <http://supertech.csail.mit.edu/cilk/>, última visita em 21 de Junho de 2008.
- [71] FUJIWARA, N., IMAHORI, S., MATSUI, T., MIYASHIRO, R. Constructive algorithms for the constant distance Traveling Tournament Problem. Em *Proceedings of the 6th International Conference on the Practice and Theory of Automated Timetabling* (Brno, 2006), E. K. Burke e H. Rudova, Eds., p. 402–405.
- [72] GAGNÉ, C., PARIZEAU, M., DUBREUIL, M. Distributed BEAGLE: An environment for parallel and distributed evolutionary computations. Em *Proceedings of the 17th Annual International Symposium on High Performance Computing Systems and Applications* (Sherbrooke, 2003), IEEE Press, p. 201–208.
- [73] GANEK, A. G., CORBI, T. A. The dawning of the autonomic computing era. *IBM Systems Journal* 42 (2003), 5–18.
- [74] GAREY, M. R., JOHNSON, D. S. *Computers and intractability: A guide to the theory of NP-completeness*. W.H. Freeman, 1979.
- [75] GLOBUS ALLIANCE. Globus Toolkit. Disponível em <http://www-unix.globus.org/toolkit/>, última visita em 10 de Junho de 2007.
- [76] GLOVER, F. Tabu search - Part I. *ORSA Journal on Computing* 1 (1989), 190–206.

- [77] GLOVER, F. Tabu search - Part II. *ORSA Journal on Computing* 2 (1990), 4–32.
- [78] GOLDBERG, D. E. *Genetic Algorithms in Search, Optimization and Machine Learning*. Addison-Wesley, Boston, 1989.
- [79] GOUVEIA, L., MAGNANTI, T. L. Modelling and solving the diameter-constrained minimum spanning tree problem. Relatório técnico, Departamento de Estatística e Investigação Operacional, Faculdade de Ciências, Lisboa, 2000.
- [80] GOUVEIA, L., MAGNANTI, T. L. Network flow models for designing diameter-constrained minimum-spanning and Steiner trees. *Networks* 41 (2003), 159–173.
- [81] GOUX, J., KULKARNI, S., LINDEROTH, J., YODER, M. An enabling framework for master-worker applications on the computational grid. Em *Proceedings of the 9th IEEE International Symposium on High Performance Distributed Computing* (Pittsburgh, 2000), p. 43–50.
- [82] GROPP, W., LUSK, E. MPICH - A Portable Implementation of MPI. Disponível em <http://www-unix.mcs.anl.gov/mpi/mpich1/>, última visita em 20 de Junho de 2008.
- [83] GROPP, W., LUSK, E., DOSS, N., SKJELLUM, A. A high-performance, portable implementation of the MPI message passing interface standard. *Parallel Computing* 22 (1996), 789–828.
- [84] GROPP, W., LUSK, E., THAKUR, R., Eds. *Using MPI-2: Advanced Features of the Message-Passing Interface*. MIT Press, 1999.
- [85] GRUBER, M., HEMERT, J., RAIDL, G. R. Neighbourhood searches for the bounded diameter minimum spanning tree problem embedded in a VNS, EA, and ACO. Em *Proceedings of the 8th Annual Conference on Genetic and Evolutionary Computation* (New York, 2006), ACM Press, p. 1187–1194.
- [86] GRUBER, M., RAIDL, G. A new 0–1 ILP approach for the bounded diameter minimum spanning tree problem. Em *The 2nd International Network Optimization Conference*, P. Hansen, N. Mladenovic, J. Pérez, B.M.Batista, e J. MorenoVega, Eds. ACM Press, Spa, 2005, p. 178–185.
- [87] GRUBER, M., RAIDL, G. Variable neighborhood search for the bounded diameter minimum spanning tree problem. Em *18th Mini Euro Conference on Variable Neighborhood Search* (Tenerife, 2005), p. 1–11.

- [88] GRUPO RNP. Rede Nacional de Ensino e Pesquisa. Disponível em <http://www.rnp.br/>, última visita em 10 de Fevereiro de 2008.
- [89] HANSEN, P., MLADENOVIC, N. Variable neighborhood search: Principles and applications. *European Journal of Operational Research* 130 (2001), 449–467.
- [90] HANSEN, P., MLADENOVIC, N. Developments of variable neighborhood search. Em *Essays and Surveys in Metaheuristics*, C. Ribeiro e P. Hansen, Eds. Kluwer Academic Publishers, 2002, p. 415–439.
- [91] HANSEN, P., MLADENOVIC, N. Variable neighborhood search. Em *Handbook of Metaheuristics*, F. Glover e G. Kochenberger, Eds. Kluwer Academic Publishers, 2003, p. 145–184.
- [92] HENZ, M. Playing with constraint programming and large neighborhood search for traveling tournament. Em *Proceedings of the 5th International Conference on the Practice and Theory of Automated Timetabling* (Pittsburgh, 2004), E. Burke e M. Trick, Eds., p. 23–32.
- [93] HORN, P. Autonomic computing: Ibm's perspective on the state of information technology. Disponível em <http://www.research.ibm.com/autonomic/manifesto/>, última visita em 10 de Setembro de 2007.
- [94] HWANG, K. *Advanced Computer Architectures: Parallelism, Scalability, Programmability*. McGraw-Hill, 1993.
- [95] JULSTROM, B. A. Encoding bounded-diameter spanning trees with permutations and with random keys. Em *Genetic and Evolutionary Computation Conference*, K. Deb, R. Poli, W. Banzhaf, H. Beyer, E. K. Burke, P. J. Darwen, D. Dasgupta, D. Floreano, J. A. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, e A. M. Tyrrell, Eds., vol. 3102 de *Lecture Notes in Computer Science*. Springer, 2004, p. 1272–1281.
- [96] KENDALL, G., MISEREZ, W., BERGHE, G. V. A constructive heuristic for the traveling tournament problem. Em *Proceedings of the 6th International Conference on the Practice and Theory of Automated Timetabling* (Brno, 2006), E. K. Burke e H. Rudova, Eds., p. 443–447.
- [97] KEPHART, J., CHESS, D. The vision of autonomic computing. *IEEE Computer* 36 (2003), 41–50.

- [98] KRAUTER, K., BUYYA, R., MAHESWARAN, M. A taxonomy and survey of grid resource management systems for distributed computing. *Software: Practice and Experience* 32 (2002), 135–164.
- [99] LAARHOVEN, P. J. M., AARTS, E. H. L. *Simulated annealing: theory and applications*. Kluwer Academic Publishers, Norwell, 1987.
- [100] LAFORENZA, D. Grid programming: Some indications where we are headed. *Parallel Computing* 28 (2002), 1733–1752.
- [101] LIM, A., RODRIGUES, B., ZHANG, X. A simulated annealing and hill-climbing algorithm for the traveling tournament problem. *European Journal of Operations Research* 174 (2006), 1459–1478.
- [102] LOURENÇO, H., MARTINS, O., STUTZLE, T. Iterated local search. Em *Handbook of Metaheuristics*, F. Glover e G. Kochenberger, Eds. Kluwer Academic Publishers, 2003, p. 321–353.
- [103] LUKE, S., PANAIT, L., SKOLICKI, Z., BASSETT, J., HUBLEY, R., CHIRCOP, A. ECJ: a Java-based evolutionary computation and genetic programming research system. Disponível em <http://www.cs.umd.edu/projetc/plus/ec/ecj/>, última visita em 24 de Agosto de 2007.
- [104] MARTINS, S. *Estratégias de Paralelização de Metaheurísticas em Ambientes de Memória Distribuída*. Tese de Doutorado, Departamento de Informática, PUC-Rio, 1999.
- [105] MARTINS, S., RIBEIRO, C., ROSSETI, I. Applications of parallel metaheuristics to optimization problems in telecommunications and bioinformatics. Em *Parallel Combinatorial Optimization*, E. Talbi, Ed. Wiley, 2006, p. 301–325.
- [106] MATSUMOTO, M., NISHIMURA, T. Mersenne twister: A 623-dimensionally equidistributed uniform pseudo-random number generator. *ACM Transactions on Modeling and Computer Simulation* 8 (1998), 3–30.
- [107] MAUI CENTER. LINDA Introduction. Disponível em <http://phi.sinica.edu.tw/instruct/workshop/html/linda/linda.html>, última visita em 20 de Maio de 2008.
- [108] MCCORMICK, J., WEEMS, C., DALE, B. N., Eds. *Programming and Problem Solving with Ada 95*. Jones and Bartlett, 2000.

- [109] MELAB, N., CAHON, S., TALBI, E.-G. Grid computing for parallel bioinspired algorithms. *Journal of Parallel and Distributed Computing* 66 (2006), 1052–1061.
- [110] MELAB, N., TALBI, E.-G., CAHON, S., ALBA, E., LUQUE, G. Parallel metaheuristics: Models and frameworks. Em *Parallel Combinatorial Optimization*, E. Talbi, Ed. Wiley, 2006, p. 149–161.
- [111] MERLIN, J. HPF tutorial materials. Disponível em <http://www.vcpc.univie.ac.at/activities/tutorials/HPF/>, última visita em 20 de Junho de 2008.
- [112] MICHEL, L., HENTENRYCK, P. Localizer++: An open library for local search. Relatório técnico cs-01-02, Brown University, Providence, 2001.
- [113] MPI FORUM. MPI: a Message Passing Interface. Relatório técnico, University of Tennessee, Knoxville, 1995.
- [114] MPI FORUM. Message Passing Interface Forum: MPI 2. Disponível em <http://www mpi-forum.org/>, última visita em 10 de Agosto de 2007.
- [115] NASCIMENTO, A., SENA, A., DA SILVA, J., VIANNA, D., BOERES, C., REBELLO, V. Managing the execution of large scale MPI applications on computational grids. Em *Proceedings of the 17th International Symposium on Computer Architecture and High Performance Computing* (Rio de Janeiro, 2005), C. Amorim, G. Silva, V. Rebello, e J. Dongarra, Eds., IEEE Press, p. 69–76.
- [116] NASCIMENTO, A., SENA, A., SILVA, J., VIANNA, D., BOERES, C., REBELLO, V. Autonomic application management for large scale MPI programs. *International Journal Of High Performance Computing and Networking* (a ser publicado em 2008).
- [117] NORONHA, T., SANTOS, A., RIBEIRO, C. Constraint programming for the diameter constrained minimum spanning tree problem. Em *IV Latin-American Algorithms, Graphs and Optimization Symposium*, vol. 30 de *Electronic Notes in Discrete Mathematics*. Elsevier, 2008, p. 93–98.
- [118] OPENMP GROUP. OpenMP. Disponível em <http://www.openmp.org>, última visita em 10 de Janeiro de 2007.
- [119] PARASHAR, M., HARIRI, S. Autonomic computing: An overview. Em *Unconventional Programming Paradigms*, vol. 3566 de *Lecture Notes in Computer Science*. Springer, 2005, p. 257–269.

- [120] PORTLAND GROUP. Portland: High-performance optimizing parallel compilers. Disponível em <http://www.pgroup.com/>, última visita em 21 de Setembro de 2007.
- [121] PORTO, S. *Algoritmos Seqüenciais e Paralelos para Escalonamento de Tarefas em Processadores Heterogêneos sob Restrições de Precedência*. Tese de Doutorado, Departamento de Informática, PUC-Rio, 1995.
- [122] QI, L., JIN, H., FOSTER, I., GAWOR, J. HAND: Highly available dynamic deployment infrastructure for globus toolkit 4. Em *Proceedings of the 15th Euromicro International Conference on Parallel, Distributed and Network-based Processing* (2007), IEEE Computer, p. 155–162.
- [123] RAIDL, G. R., JULSTROM, B. A. Greedy heuristics and an evolutionary algorithm for the bounded-diameter minimum spanning tree problem. Em *ACM Symposium on Applied Computing* (Melbourne, 2003), p. 747–752.
- [124] RASMUSSEN, R., TRICK, M. A Benders approach to the constrained minimum break problem. *European Journal of Operations Research* 177 (2007), 198–213.
- [125] RAYMOND, K. A tree-based algorithm for distributed mutual exclusion. *ACM Transactions on Computers* 7 (1989), 61–77.
- [126] REBELLO, V. Grid sinergia. Disponível em <http://easygrid.ic.uff.br/>, última visita em 28 de Maio de 2008.
- [127] REQUEJO, C. Modelos para o problema da árvore geradora de suporte com restrição de diâmetro: caso ímpar. Relatório técnico, Departamento de Estatística e Investigação Operacional, Faculdade de Ciências, Lisboa, 2000.
- [128] RESENDE, M., RIBEIRO, C. GRASP with path-relinking: Recent advances and applications. Em *Metaheuristics: Progress as Real Problem Solvers*, T. Ibaraki, K. Nonobe, e M. Yagiura, Eds. Kluwer Academic Publishers, 2005, p. 29–63.
- [129] RESENDE, M. G. C., SOUSA, J. P., Eds. *Metaheuristics: Computer Decision-making*. Springer, Norwell, 2004.
- [130] RIBEIRO, C., HANSEN, P., Eds. *Essays and Surveys in Metaheuristics*. Kluwer Academic Publishers, Boston, 2002.
- [131] RIBEIRO, C., MARTINS, S. L., ROSSETI, I. C. M. Metaheuristics for optimization problems in computer communications. *Computer Communications* 30 (2007), 656–669.

- [132] RIBEIRO, C., ROSSETI, I. Efficient parallel cooperative implementations of GRASP heuristics. *Parallel Computing* 33 (2007), 21–35.
- [133] RIBEIRO, C., SOUZA, R., VIEIRA, C. A comparative computational study of random number generators. *Pacific Journal of Optimization* 1 (2005), 565–578.
- [134] RIBEIRO, C., URRUTIA, S. Heuristics for the mirrored traveling tournament problem. *European Journal of Operational Research* 179 (2007), 775–787.
- [135] SALAMON, P., SIBANI, P., FROST, R. Facts, Conjectures, and Improvements for Simulated Annealing. Monographs on Mathematical Modeling and Computation, SIAM, 2002.
- [136] SANTOS, A. *Modelos e Algoritmos para o Problema da Árvore Geradora de Custo Mínimo com Restrição de Diâmetro*. Tese de Doutorado, Departamento de Informática, PUC-Rio, 2006.
- [137] SCANDAL GROUP. NESL: A Parallel Programming Language. Disponível em <http://www.cs.cmu.edu/~scandal/nesl.html>, última visita em 10 de Junho de 2008.
- [138] SHACKLETON, M., SAFFRE, F., TATESON, R., BONSMA, E., ROADKNIGHT, C. Autonomic computing for pervasive ict — a whole-system perspective. *BT Technology Journal* 22 (2004), 191–199.
- [139] SILVA, J. A., REBELLO, V. E. F. Low cost self-healing in MPI applications. Em *Recent Advances in Parallel Virtual Machine and Message Passing Interface, 14th European PVM/MPI User's Group Meeting*, F. Cappello, T. Héault, e J. Dongarra, Eds., vol. 4757 de *Lecture Notes in Computer Science*. Springer, 2007, p. 144–152.
- [140] STANFORD COMPILER GROUP. The SUIF Compiler System. Disponível em <http://suif.stanford.edu/suif/>, última visita em 20 de Setembro de 2007.
- [141] STERRITT, R., PARASHAR, M., TIANFIELD, H., UNLAND, R. A concise introduction to autonomic computing. *Advanced Engineering Informatics* 19 (2005), 181–187.
- [142] TEAM, L. LAM/MPI parallel computing. Disponível em <http://www.lam-mpi.org/>, última visita em 15 de Outubro de 2007.

- [143] THAIN, D., TANNENBAUM, T., LIVNY, M. Condor and the grid. Em *Grid Computing: Making the Global Infrastructure a Reality*, F. Berman, G. Fox, e T. Hey, Eds. Wiley, 2002.
- [144] THAIN, D., TANNENBAUM, T., LIVNY, M. Distributed computing in practice: the Condor experience. *Concurrency and Computation: Practice and Experience* 17 (2005), 323–356.
- [145] TRICK, M. Challenge traveling tournament instances. Disponível em <http://mat.gsia.cmu.edu/TOURN/>, última visita em 23 de Outubro de 2007.
- [146] URRUTIA, S., RIBEIRO, C. C., MELO, R. A. A new lower bound to the traveling tournament problem. Em *Proceedings of the 2007 IEEE Symposium on Computational Intelligence in Scheduling* (Honolulu, 2007), G. Kendall, E. K. Burke, S. Smith, e K. C. Tan, Eds., IEEE Press, p. 15–18.
- [147] URRUTIA, S. A. *Otimização em Esportes: Programação de tabelas e problemas de classificação*. Tese de Doutorado, Departamento de Informática, PUC-Rio, 2005.
- [148] VADHIYAR, S., DONGARRA, J. Self-adaptivity in grid computing. *Concurrency and Computation: Practice and Experience* 17 (2005), 235–257.
- [149] VERHOEVEN, M., AARTS, E. Parallel local search. *Journal of Heuristics* 1 (1995), 43–65.
- [150] VIANNA, D. Um sistema de gerenciamento de aplicações MPI para ambientes grid. Dissertação de Mestrado, Instituto de Computação, Universidade Federal Fluminense, 2005.
- [151] WANG, S., ZHU, Q., KANG, L. Local optima properties and iterated local search algorithm for optimum multiuser detection problem. Em *Intelligent Computing*, D.-S. Huang, K. Li, e G. Irwin, Eds., vol. 4113 de *Lecture Notes in Computer Science*. Springer, 2006, p. 913–918.