Список литературы

[1] Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds.: *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[2] Balthrop, J., Esponda, F., Forrest, S., and Glickman, M.: Coverage And Generalization In An Artificial Immune System. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 3–10. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[3] Birattari, M., Stützle, T., Paquete, L., and Varrentrapp, K.: A Racing Algorithm For Configuring Metaheuristics. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 11–18. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[4] Blackwell, T. M. and Bentley, P. J.: Dynamic Search With Charged Swarms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 19–26. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[5] Blum, C.: Ant Colony Optimization For The Edge-weighted k-cardinality Tree Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 27–34. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[6] Blum, C., Sampels, M., and Zlochin, M.: On A Particularity In Model-based Search. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 35–42. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[7] Bui, T. N. and Strite, L. C.: An Ant System Algorithm For Graph Bisection. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 43–51. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[8] Bullinaria, J. A.: The Evolution Of Variable Learning Rates. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 52–59. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[9] Conradie, A., Miikkulainen, R., and Aldrich, C.: Adaptive Control Utilising Neural Swarming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 60–67. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[10] Hodgson, R. J. W.: Partical Swarm Optimization Applied To The Atomic Cluster Optimization Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 68–73. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[11] Keber, C. and Schuster, M. G.: Option Valuation With Generalized Ant Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 74–81. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[12] Leahy, N. P.: Effects Of Agent Representation On The Behavior Of A Non-reciprocal Cooperation Game. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 82–87. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[13] Liang, S., Zincir-Heywood, A. N., and Heywood, M. I.: Intelligent Packets For Dynamic Network Routing Using Distributed Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 88–96. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[14] Mathias, K. E. and Byassee, J. S.: Agent Support Of Genetic Search In An Immunological Model Of Sparse Distributed Memory. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 97–104. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[15] Merkle, D. and Middendorf, M.: Studies On The Dynamics Of Ant Colony Optimization Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 105–112. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[16] Stanley, K. O. and Miikkulainen, R.: Continual Coevolution Through Complexification. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 113–120. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[17] Takadama, K., Suematsu, Y. L., Nawa, N. E., and Shimohara, K.: Cross-validation In Multiagent-based Simulation: Analyzing Evolutionary Bargaining Agents. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 121–128. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[18] Ando, S. and Iba, H.: Ant Algorithm For Construction Of Evolutionary Tree. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska,

N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 131. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[19] Bongard, J. C. and Pfeifer, R.: Behavioural Selection Pressure Generates Hierarchical Genetic Regulatory Networks. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 132. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[20] Boryczka, M. and Czech, Z. J.: Solving Approximation Problems By Ant Colony Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 133. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[21] Capcarrere, M. S.: Evolution Of Asynchronous Cellular Automata: Finding The Good Compromise. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 134. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[22] Das, S., Gosavi, S. V., Hsu, W. H., and Vaze, S. A.: An Ant Colony Approach For The Steiner Tree Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 135. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[23] Lenaerts, T., Defaweux, A., Van Remortel, P., and Manderick, B.: An Individual-based Approach To Multi-level Selection. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 136. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[24] Pelletier, O. and Weimerskirch, A.: Algorithmic Self-assembly Of DNA Tiles And Its Application To Cryptanalysis. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 139–146. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[25] Yurke, B. and Simmel, F. C.: A DNA-based Three-state Device. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 147–152. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[26] Beaulieu, J., Gagné, C., and Parizeau, M.: Lens System Design And Re-engineering With Evolutionary Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 155–162. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[27] Gallagher, J. C. and Vigraham, S.: A Modified Compact Genetic Algorithm For The Intrinsic Evolution Of Continuous Time Recurrent Neural Networks. In Langdon, W. B., Cantú-Paz, E.,

Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 163–170. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[28] Hartmann, M., Eskelund, F., Haddow, P. C., and Miller, J. F.: Evolving Fault Tolerance On An Unreliable Technology Platform. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 171–177. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[29] Tangen, U.: An Evolvable Micro-controller Or What's New About Mutations? In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 178–186. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[30] Niparnan, N. and Chongstitvatana, P.: An Improved Genetic Algorithm For The Inference Of Finite State Machine. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 189. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[31] Beachkofski, B. K. and Lamont, G. B.: Evolutionary Programming Based Stratified Design Space Sampling. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 193–200. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[32] Coello, C. A. C. and Becerra, R. L.: Adding Knowledge And Efficient Data Structures To Evolutionary Programming: A Cultural Algorithm For Constrained Optimization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 201–209. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[33] Semenov, M. A.: Convergence Velocity Of Evolutionary Algorithm With Self-adaptation. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 210–213. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[34] Wong, M. L., Lee, S. Y., and Leung, K. S.: A Hybrid Data Mining Approach To Discover Bayesian Networks Using Evolutionary Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 214–222. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[35] Liu, Y. and Yao, X.: Search Step Size Control In Fast Evolutionary Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 225. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[36] DeLaurentis, J., Ferguson, L., and Hart, W. E.: On The Convergence Properties Of A Simple Self-adaptive Evolutionary Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 229–237. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[37] Jansen, T. and De Jong, K.: An Analysis Of The Role Of Offspring Population Size In EAs. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 238–246. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[38] Okabe, T., Jin, Y., and Sendhoff, B.: On The Dynamics Of Evolutionary Multi-objective Optimization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 247–256. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[39] John, D. J.: Co-evolution With The Bierwirth-Mattfeld Hybrid Scheduler. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 259. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[40] Aickelin, U. and Bull, L.: Partnering Strategies For Fitness Evaluation In A Pyramidal Evolutionary Algrorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 263–270. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[41] Albert, L. A. and Goldberg, D. E.: Efficient Discretization Scheduling In Multiple Dimensions. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 271–278. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[42] Alden, M., van Kesteren, A., and Miikkulainen, R.: Eugenic Evolution Utilizing A Domain Model. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 279–286. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[43] Barbosa, H. J. C. and Lemonge, A. C. C.: An Adaptive Penalty Scheme In Genetic Algorithms For Constrained Optimiazation Problems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 287–294. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[44] Byassee, J. S. and Mathias, K. E.: Expediting Genetic Search With Dynamic Memory. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary*

Computation Conference, 295–302. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[45] Cantú-Paz, E.: Feature Subset Selection By Estimation Of Distribution Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 303–310. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[46] Cantú-Paz, E.: On Random Numbers And The Performance Of Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 311–318. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[47] Chen, J.-H., Goldberg, D. E., Ho, S.-Y., and Sastry, K.: Fitness Inheritance In Multi-objective Optimization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 319–326. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[48] Choi, S.-S. and Moon, B.-R.: Isomorphism, Normalization, And A Genetic Algorithm For Sorting Network Optimization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 327–334. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[49] Choi, S.-S. and Moon, B.-R.: More Effective Genetic Search For The Sorting Network Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 335–342. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[50] Divina, F. and Marchiori, E.: Evolutionary Concept Learning. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 343–350. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[51] Galindo-Legaria, C. and Waas, F.: The Effect Of Cost Distributions On Evolutionary Optimization Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 351–358. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[52] Garrett, S. M. and Walker, J. H.: Combining Evolutionary And Non-evolutionary Methods In Tracking Dynamic Global Optima. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 359–366. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[53] Greene, W. A.: A Genetic Algorithm With Self-distancing Bits But No Overt Linkage. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary*

Computation Conference, 367–374. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[54] Hohmann, S. G., Schemmel, J., Schürmann, F., and Meier, K.: Exploring The Parameter Space Of A Genetic Algorithm For Training An Analog Neural Network. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 375–382. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[55] Hsu, W. H., Guo, H., Perry, B. B., and Stilson, J. A.: A Permutation Genetic Algorithm For Variable Ordering In Learning Bayesian Networks From Data. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 383–390. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[56] Hüsken, M. and Igel, C.: Balancing Learning And Evolution. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 391–398. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[57] Ishibuchi, H. and Yamamoto, T.: Fuzzy Rule Selection By Data Mining Criteria And Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 399–406. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[58] Kim, J.-H. and Moon, B.-R.: Neuron Reordering For Better Neuro-genetic Hybrids. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 407–414. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[59] Kimbrough, S. O., Lu, M., Wood, D. H., and Wu, D. J.: Exploring A Two-market Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 415–422. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[60] Koch, T. E. and Zell, A.: MOCS: Multi-objective Clustering Selection Evolutionary Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 423–430. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[61] Kumar, S. V. and Ranjithan, S. R.: Evaluation Of The Constraint Method-based Evolutionary Algorithm (CMEA) For A Three-objective Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 431–438. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[62] Laumanns, M., Thiele, L., Zitzler, E., and Deb, K.: Archiving With Guaranteed Convergence And Diversity In Multi-objective Optimization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J.,

Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 439–447. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[63] Liu, Y. and Yao, X.: Maintaining Population Diversity By Minimizing Mutual Information. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 448–455. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[64] Mao, J., Hirasawa, K., Hu, J., and Murata, J.: Increasing Robustness Of Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 456–462. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[65] Menon, A.: The Point Of Point Crossover: Shuffling To Randomness. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 463–471. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[66] Merz, P.: A Comparison Of Memetic Recombination Operators For The Traveling Salesman Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 472–479. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[67] Meyesenburg, M. M., Hoelting, D., McElvain, D., and Foster, J. A.: How Random Generator Quality Impacts GA Performance. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 480–487. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[68] Nicolau, M. and Ryan, C.: LINKGAUGE: Tackling Hard Deceptive Problems With A New Linkage Learning Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 488–494. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[69] Ochoa, G.: Setting The Mutation Rate: Scope And Limitations Of The $1/L$ Heuristic. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 495–502. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[70] Panait, L. and Luke, S.: A Comparison Of Two Competitive Fitness Functions. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 503–511. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[71] Pelikan, M., Goldberg, D. E., and Tsutsui, S.: Combining The Strengths Of Bayesian Optimization Algorithm And Adaptive Evolution Strategies. In Langdon, W. B., Cantú-Paz, E.,

Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 512–519. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[72] Purshouse, R. C. and Fleming, P. J.: Why Use Elitism And Sharing In A Multi-objective Genetic Algorithm? In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 520–527. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[73] Sastry, K. and Goldberg, D. E.: Genetic Algorithms, Efficiency Enhancement, And Deciding Well With Differing Fitness Variances. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 528–535. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[74] Sastry, K. and Goldberg, D. E.: Genetic Algorithms, Efficiency Enhancement, And Deciding Well With Differing Fitness Bias Values. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 536–543. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[75] Seo, D.-I. and Moon, B.-R.: Voronoi Quantizied Crossover For Traveling Salesman Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 544–552. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[76] Someya, H. and Yamamura, M.: Robust Evolutionary Algorithms With Toroidal Search Space Conversion For Function Optimization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 553–560. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[77] Spirov, A. V. and Kazansky, A. B.: Jumping Genes-mutators Can Rise Efficacy Of Evolutionary Search. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 561–568. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[78] Stanley, K. O. and Miikkulainen, R.: Efficient Reinforcement Learning Through Evolving Neural Network Topologies. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 569–577. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[79] Stephens, C. R., Poli, R., Wright, A. H., and Rowe, J. E.: Exact Results From A Coarse Grained Formulation Of The Dynamics Of Variable-length Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 578–585. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[80] Stone, C. and Smith, J.: Strategy Parameter Variety In Self-adaptation Of Mutation Rates. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 586–593. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[81] Stringer, H. and Wu, A. S.: A Simple Method For Detecting Domino Convergence And Identifying Salient Genes Within A Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 594–601. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[82] Tiwari, A. and Roy, R.: Variable Dependence Interaction And Multi-objective Optimisation. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 602–609. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[83] Tsai, H.-K., Yang, J.-M., and Kao, C.-Y.: Applying Genetic Algorithms To Finding The Optimal Gene Order In Displaying The Microarray Data. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 610–617. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[84] Tulai, A. F. and Oppacher, F.: Combining Competitive And Cooperative Coevolution For Training Cascade Neural Networks. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 618–625. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[85] Van Hoyweghen, C., Goldberg, D. E., and Naudts, B.: From Twomax To The Ising Model: Easy And Hard Symmetrical Problems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 626–633. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[86] Vrajitoru, D.: Simulating Gender Separation With Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 634–641. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[87] Wright, A. H., Rowe, J. E., Poli, R., and Stephens, C. R.: A Fixed Point Analysis Of A Gene Pool GA With Mutation. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 642–649. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[88] Yang, S.: Adaptive Non-uniform Crossover Based On Statistics For Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary*

Computation Conference, 650–657. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[89] Zhu, Z.-Y. and Leung, K.-S.: An Enhanced Annealing Genetic Algorithm For Multi-objective Optimization Problems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 658–665. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[90] Zitzler, E., Laumanns, M., Thiele, L., Foneseca, C. M., and da Fonseca, V. G.: Why Quality Assessment Of Multiobjective Optimizers Is Difficult. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 666–674. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[91] Bacardit, J. and Garrell, J. M.: Evolution Of Adaptive Discretization Intervals For A Rule-based Genetic Learning System. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 677. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[92] Devogelaere, D. and Rijckaert, M.: Influences Of Clustering Modifications On The Performatnce Of The Genetic Algorithm Driven Clustering Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 678. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[93] Etaner-Uyar, A. S. and Harmanci, A. E.: Preserving Diversity In Changing Environments Through Diploidy With Adaptive Dominance. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 679. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[94] Hsu, W. H., Schmidt, C. P., and Louis, J. A.: Genetic Algorithm Wrappers For Feature Subset Selection In Supervised Inductive Learning. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 680. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[95] Huang, C.-G.: A Study Of Fitness Proportional Mate Selection Schemes In Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 681. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[96] Huang, C.-F.: A Markov Chain Analysis Of Fitness Proportional Mate Selection Schemes In Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 682. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[97] Jin, Y. and Sendhoff, B.: Incorporation Of Fuzzy Preferences Into Evolutionary Multiobjective Optimization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 683. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[98] Khan, N., Goldberg, D. E., and Pelikan, M.: Multiple-objective Bayesian Optimization Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 684. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[99] Kim, J.-P. and Moon, B.-R.: A Hybrid Genetic Search For Circuit Bipartitioning. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 685. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[100] Kim, Y.-H. and Moon, B.-R.: Visualization Of The Fitness Landscape, A Steady-state Genetic Search, And Schema Traces. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 686. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[101] Knödler, K., Poland, J., Zell, A., and Mitterer, A.: Memetic Algorithms For Combinatorial Optimization Problems In The Calibration Of Modern Combustion Engines. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 687. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[102] Kosorukoff, A.: Using Incremental Evaluation And Adaptive Choice Of Operators In A Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 688. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[103] Lee, S.-K., Seo, D.-I., and Moon, B.-R.: A Hybrid Genetic Algorithm For Optimal Hexagonal Tortoise Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 689. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[104] Machado, P., Tavares, J., Pereira, F. B., and Costa, E.: Vehicle Routing Problem: Doing It The Evolutionary Way. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 690. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[105] Meyesenburg, M. M., Hoelting, D., McElvain, D., and Foster, J. A.: A Genetic Algorithm-specific Test Of Random Generator Quality. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings*

of the Genetic and Evolutionary Computation Conference, 691. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[106] Pettinger, J. E. and Everson, R. M.: Controlling Genetic Algorithms With Reinforcement Learning. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 692. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[107] Prado, O. and Zuben, F. J. V.: An Integrated System For Phylogenetic Inference Using Evolutionary Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 693. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[108] Roos, R. S., Bennett, T., Hannon, J., and Zehner, E.: A Genetic Algorithm For Improved Shellsort Sequences. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 694. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[109] Rothlauf, F.: The Influence Of Binary Representations Of Integers On The Performance Of Selectorecombinative Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 695. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[110] Sekaj, I., Foltin, M., and Gonos, M.: Genetic Algorithm Based Adaptive Control Of An Electromechanical MIMO System. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 696. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[111] Simões, A. and Costa, E.: Parametric Study To Enhance The Genetic Algorithm's Performance When Using Transformation. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 697. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[112] Simões, A. and Costa, E.: Using GAs To Deal With Dynamic Environments: A Comparative Study Of Several Approaches Based On Promoting Diversity. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 698. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[113] Singh, A., Goldberg, D. E., and Chen, Y.-P.: Modified Linkage Learning Genetic Algorithm For Difficult Non-stationary Problems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 699. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[114] Tyni, T. and Ylinen, J.: Bi-directional Circular Linked Lists In Fitness Caching. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 700. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[115] Ueda, T., Koga, N., Ono, I., and Okamoto, M.: Application Of Numerical Optimization Technique Based On Real-coded Genetic Algorithm To Inverse Problem In Biochemical Systems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 701. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[116] Watanabe, S., Hiroyasu, T., and Miki, M.: LCGA: Local Cultivation Genetic Algorithm For Multi-objective Optimization Problems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 702. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[117] Wu, A. S. and Garibay, I.: The Proportional Genetic Algorithm Representation. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 703. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[118] Yu, T. and Miller, J.: Climbing Unimodal Landscapes With Neutrality: A Case Study Of The One-max Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 704. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[119] Azad, R. M. A., Ryan, C., Burke, M. E., and Ansari, A. R.: A Re-examination Of The Cart Centering Problem Using The Chorus System. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 707–715. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[120] Burke, R., Gustafson, S., and Kendall, G.: A Survey And Analysis Of Diversity Measures In Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 716–723. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[121] Clergue, M., Collard, P., Tomassini, M., and Vanneschi, L.: Fitness Distance Correlation And Problem Difficulty For Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 724–732. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[122] Crawford-Marks, R. and Spector, L.: Size Control Via Size Fair Genetic Operators In The PushGP Genetic Programming System. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of*

the Genetic and Evolutionary Computation Conference, 733–739. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[123] Groß, R., Albrecht, K., Kantschik, W., and Banzhaf, W.: Evolving Chess Playing Programs. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 740–747. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[124] Hamel, L.: Breeding Algebraic Structures—An Evolutionary Approach To Inductive Equational Logic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 748–755. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[125] Howard, D., Roberts, S. C., and Ryan, C.: Machine Vision: Exploring Context With Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 756–763. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[126] Hsu, W. H. and Gustafson, S. M.: Genetic Programming And Multi-agent Layered Learning By Reinforcements. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 764–771. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[127] Hu, J., Goodman, E. D., Seo, K., and Pei, M.: Adaptive Hierarchical Fair Competition (AHFC) Model For Parallel Evolutionary Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 772–779. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[128] Hu, J., Seo, K., Li, S., Fan, Z., Rosenberg, R. C., and Goodman, E. D.: Structure Fitness Sharing (SFS) For Evolutionary Design By Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 780–787. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[129] Iba, H. and Sakamoto, E.: Inference Of Differential Equation Moels By Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 788–795. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[130] Imamura, K., Heckendorn, R. B., Soule, T., and Foster, J. A.: Abstention Reduces Errors–decision Abstaining N-version Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 796–803. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[131] Kubica, J. and Rieffel, E.: Collaborating With A Genetic Programming System To Generate Modular Robotic Code. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 804–811. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[132] Langdon, W. B.: Convergence Rates For The Distribution Of Program Outputs. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 812–819. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[133] Luke, S. and Panait, L.: Is The Perfect The Enemy Of The Good? In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 820–828. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[134] Luke, S. and Panait, L.: Lexicographic Parsimony Pressure. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 829–836. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[135] Martin, P.: An Analysis Of Random Number Generators For A Hardware Implementation Of Genetic Programming Using FPGAs And Handel-C. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 837–844. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[136] Martin, P. and Poli, R.: Crossover Operators For A Hardware Implementation Of GP Using FPGAs And Handel-C. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 845–852. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[137] McPhee, N. F. and Poli, R.: Using Schema Theory To Explore Interactions Of Multiple Operators. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 853–860. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[138] Parent, J. and Nowe, A.: Evolving Compression Preprocessors With Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 861–867. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[139] Poli, R., Stephens, C. R., Wright, A. H., and Rowe, J. E.: On The Search Biases Of Homologuous Crossover In Linear Genetic Programming And Variable-length Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 868–876. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[140] Streeter, M. J., Keane, M. A., and Koza, J. R.: Iterative Refinement Of Computational Circuits Using Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 877–884. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[141] Cooper, J. and Hinde, C.: Comparison Of Evolving Against Peers And Fixed Opponents Using Corewars. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 887. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[142] Gagné, C. and Parizeau, M.: Open BEAGLE: A New C++ Evolutionary Computation Framework. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 888. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[143] Giacobini, M., Tomassini, M., and Vanneschi, L.: How Statistics Can Help In Limiting The Number Of Fitness Cases In Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 889. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[144] Katagiri, H., Hirasawa, K., Hu, J., and Murata, J.: A New Model To Realize Variable Size Genetic Network Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 890. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[145] Korkmaz, E. E. and Üçoluk, G.: Controlling The Genetic Programming Search. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 891. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[146] Oliver-Morales, C. and Vázquez, K. R.: MB GP In Modelling And Prediction. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 892. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[147] Olson, R. and Wilcox, B.: Self-improvement For The ADATE Automatic Programming System. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 893. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[148] Withall, M. S., Hinde, C. J., and Stone, R. G.: Evolving Readable Perl. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 894. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[149] Bull, L.: Lookahead And Latent Learning In ZCS. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 897–904. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[150] Bull, L. and O'Hara, T.: Accuracy-based Neuro And Neuro-fuzzy Classifier Systems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 905–911. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[151] Danek, M. and Smith, R. E.: XCS Applied To Mapping FPGA Architectures. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 912–919. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[152] Fu, C. and Davis, L.: A Modified Classifier System Compaction Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 920–925. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[153] Landau, S., Picault, S., Sigaud, O., and Gérard, P.: A Comparison Between ATNoSFERES And XCSM. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 926–933. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[154] Llorà, X. and Garrell, J. M.: Coevolving Different Knowledge Representations With Fine-grained Parallel Learning Classifier Systems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 934–941. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[155] Ross, P., Schulenburg, S., Marín-Blázquez, J., and Hart, E.: Hyper-heuristics: Learning To Combine Simple Heuristics In Bin-packing Problems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 942–948. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[156] Bull, L., Wyatt, D., and Parmee, I.: Towards The Use Of XCS In Interactive Evolutionary Design. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 951. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[157] Kókai, G., Tóth, Z., and Zvada, S.: An Experimental Comparison Of Genetic And Classical Concept Learning Methods. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 952. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[158] Neri, F.: Cooperative Concept Learning By Means Of A Distributed GA. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 953. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[159] Ebner, M., Breunig, H.-G., and Albert, J.: On The Use Of Negative Selection In An Artificial Immune System. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 957–964. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[160] Kosorukoff, A. and Goldberg, D. E.: Evolutionary Computation As A Form Of Organization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 965–972. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[161] Masum, H., Christensen, S., and Oppacher, F.: The Turing Ratio: Metrics For Open-ended Tasks. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 973–980. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[162] Wang, X., Davis, L., and Fu, C.: Genetic Algorithms And Fine-grained Topologies For Optimization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 981–988. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[163] Arenas, M. G., Dolin, B., Merelo, J. J., Castillo, P. A., De Viana, I. F., and Schoenauer, M.: JEO: Java Evolving Objects. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 991. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[164] Barone, L., While, L., and Hingston, P.: Designing Crushers With A Multi-objective Evolutionary Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 995–1002. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[165] Bhanu, B. and Lin, Y.: Learning Composite Operators For Object Detection. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1003–1010. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[166] Brabazon, A., O'Neill, M., Matthews, R., and Ryan, C.: Grammatical Evolution And Corporate Failure Prediction. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1011–1018. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[167] Cantú-Paz, E. and Kamath, C.: Evolving Neural Networks For The Classification Of Galaxies. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1019–1026. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[168] Carr, R., Hart, W., Krasnogor, N., Hirst, J., Burke, E., and Smith, J.: Alignment Of Protein Structures With A Memetic Evolutionary Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1027–1034. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[169] Carvalho, D. R. and Freitas, A. A.: A Genetic Algorithm With Sequential Niching For Discovering Small-disjunct Rules. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1035–1042. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[170] Castillo, F. A., Marshall, K. A., Green, J. L., and Kordon, A. K.: Symbolic Regression In Design Of Experiments: A Case Study With Linearizing Transformations. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1043–1047. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[171] Chen, P., Fu, Z., Chen, P., and Lim, A.: Using Genetic Algorithms To Solve The Yard Allocation Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1049–1056. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[172] Congdon, C. B.: Gaphyl: An Evolutionary Algorithms Approach For The Study Of Natural Evolution. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1057–1064. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[173] Pietro, A. D., While, L., and Barone, L.: Learning In RoboCup Keepaway Using Evolutionary Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1065–1072. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[174] Fan, Z., Seo, K., Rosenberg, R. C., Hu, J., and Goodman, E. D.: Exploring Multiple Design Topologies Using Genetic Programming And Bond Graphs. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1073–1080. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[175] González, F. A. and Dasgupta, D.: An Imunogenetic Technique To Detect Anomalies In Network Traffic. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz,

A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1081–1088. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[176] Hamza, K., Mahmoud, H., and Saitou, K.: Design Optimization Of N-shaped Roof Trusses. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1089–1096. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[177] Howard, D. and Roberts, S. C.: Application Of Genetic Programming To Motorway Traffic Modelling. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1097–1104. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[178] Jin, Y. and Sendhoff, B.: Fitness Approximation In Evolutionary Computation—a Survey. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1105–1112. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[179] Kang, L.-S., Kang, Z., Li, Y., and Garis, H. D.: A Two Level Evolutionary Modeling System For Financial Data. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1113–1118. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[180] Kwon, Y.-K., Hong, S.-D., and Moon, B.-R.: A Genetic Hybrid For Critical Heat Flux Function Approximation. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1119–1125. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[181] Lee, S.-Y., Choi, S.-S., and Moon, B.-R.: Search Improvement By Genetic Algorithms With A Semiotic Network. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1126–1132. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[182] Linden, D. S.: Antenna Design Using Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1133–1140. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[183] Montana, D., Hussain, T., and Saxena, T.: Adaptive Reconfiguration Of Data Networks Using Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1141–1149. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[184] Moore, J. H., Hahn, L. W., Ritchie, M. D., Thornton, T. A., and White, B. C.: Application Of Genetic Algorithms To The Discovery Of Complex Models For Simulation Studies In Human Genetics. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1150–1155. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[185] Naujoks, B., Haase, W., Ziegenhirt, J., and Bäck, T.: Multi Objective Airfoil Design Using Single Parent Populations. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1156–1163. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[186] Oduguwa, V. and Roy, R.: Multi-objective Optimisation Of Rolling Rod Product Design Using Meta-modelling Approach. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1164–1171. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[187] Park, E.-J., Kim, Y.-H., and Moon, B.-R.: Genetic Search For Fixed Channel Assignment Problem With Limited Bandwidth. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1172–1179. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[188] Rasheed, K., Vattam, S., and Ni, X.: Comparison Of Methods For Using Reduced Models To Speed Up Design Optimization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1180–1187. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[189] Romão, W., Freitas, A. A., and Pacheco, R. C. S.: A Genetic Algorithm For Discovering Interesting Fuzzy Prediction Rules: Applications To Science And Technology Data. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1188–1195. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[190] Ross, B. J., Gualtieri, A. G., Fueten, F., and Budkewitsch, P.: Hyperspectral Image Analysis Using Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1196–1203. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[191] Sato, Y.: Voice Conversion Using Interactive Evolution Of Prosodic Control. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1204–1211. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[192] Schaffer, J. D., Agnihotri, L., Dimitrova, N., McGee, T., and Jeannin, S.: Improving Digital Video Commercial Detectors With Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener,

J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1212–1218. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[193] Tanev, I. T., Uozumi, T., and Morotome, Y.: An Application Service Provider Approach For Hybrid Evolutionary Algorithm-based Real-world Flexible Job Shop Scheduling Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1219–1226. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[194] Voss, M. S. and Feng, X.: A New Methodology For Emergent System Identification Using Particle Swarm Optimization (PSO) And The Group Mehtod Data Handling (GMDH). In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1227–1232. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[195] Wegener, J., Buhr, K., and Pohlheim, H.: Automatic Test Data Generation For Structural Testing Of Embedded Software Systems By Evolutionary Testing. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1233–1240. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[196] Younes, A., Ghenniwa, H., and Areibi, S.: An Adaptive Genetic Algorithm For Multi Objective Flexible Manufacturing Systems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1241–1248. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[197] Zhang, J., Yuan, X., and Buckles, B. P.: A Fast Evolution Strategies Based Approach To Image Registration. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1249–1256. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[198] Choi, S.-S. and Moon, B.-R.: Optimized Interest Metric Of Rules And One-to-one Marketing Using Connection Networks. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1259. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[199] Chong, H. W. and Kwong, S.: A Genetic Algorithm For Joint Optimization Of Spare Capacity And Delay In Self-healing Network. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1260. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[200] Elliott, L., Ingham, D. B., Kyne, A. G., Mera, N. S., Pourkashanian, M., and Wilson, C. W.: A Real Coded Genetic Algorithm For The Optimisation Of Reaction Rate Parameters For Chemical Kinetic Modelling In A Perfectly Stirred Reactor. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002:*

Proceedings of the Genetic and Evolutionary Computation Conference, 1261. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[201] Forman, S. L.: Congressional Redistricting Using A TSP-based Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1262. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[202] García, H. F. G., Vega, A. G., Aguirre, A. H., and Coello, C. C.: Efficient Affine 2D-image Registration Using Evolutionary Strategies. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1263. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[203] Goldbarg, M. C., Gouvêa, E. F., and Neto, F. D. d. M.: Piston Pump Mobile Unity Tour Problem: An Evolutionary View. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1264. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[204] Gómez, A., Fuente, D. d. l., Parreño, J., and Puente, J.: Using Genetic Algorithms To Optimize Guillotine Cutting Operations. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1265. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[205] Ho, A. C. H. and Kwong, S.: Optimization Of CDMA Based Wireless System. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1266. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[206] Ji, Z. and Dasgupta, D.: Modeling Convection Coefficients With Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1267. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[207] Larsen, O., Freitas, A. A., and Nievola, J. C.: Constructing X-of-n Attributes With A Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1268. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[208] Matsui, S., Watanabe, I., and ichi Tokoro, K.: An Efficient Genetic Algorithm For Fixed Channel Assignment Problem With Limited Bandwidth Constraint. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1269. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[209] Otero, F. E. B., Silvia, M. M. S., and Freitas, A. A.: Genetic Programming For Attribute Construction In Data Mining. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the*

Genetic and Evolutionary Computation Conference, 1270. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[210] Ujjin, S. and Bentley, P. J.: Evolving Good Recommendations. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1271. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[211] Vallejo, E. E. and Ramos, F.: Evolving Finite Automata With Two-dimensional Output For DNA Recognition And Visualization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1272. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[212] Vogel, A., Fischer, M., and Teich, T.: Real-world Shop Floor Scheduling By Ant Colony Optimization. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1273. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[213] Wu, L., Potter, W. D., Rasheed, K., Thistle, H., Ghent, J., Twardus, D., and Teske, M.: A Comparison Of Genetic Algorithm Methods In Aerial Spray Deposition Management. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1274. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[214] Yu, X., Fin, A., Fummi, F., and Rudnick, E. M.: Functional Test Generation For Digital Integrated Circuits Using A Genetic Algorithm. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1275. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[215] Zydallis, J. B., Sriver, T. A., and Lamont, G. B.: Multiobjective Evolutionary Algorithm Approach For Solving Integer Based Optimization Problems. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1276. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[216] Augustsson, P., Wolff, K., and Nordin, P.: Creation Of A Learning, Flying Robot By Means Of Evolution. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1279–1285. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[217] Parker, G. B.: Learning Area Coverage Using The Co-evolution Of Model Parameters. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1286–1294. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[218] Hedman, K., Persson, D., Skoglund, P., Wiklund, D., Wolff, K., and Nordin, P.: Sensing And Direction In Locomotion Learning With A Random Morphology Robot. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1297. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[219] Polvichai, J. and Khosla, P.: Applying Dynamic Networks To Improve Learning Performances Of An Evolutionary Behavior Programming System For Mobile Robots In Dynamic Environments. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1298. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[220] Ishibuchi, H., Yoshida, T., and Murata, T.: Balance Between Genetic Search And Local Search In Hybrid Evolutionary Multi-criterion Optimization Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1301–1308. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[221] Jung, S. and Moon, B.-R.: A Hybrid Genetic Algorithm For The Vehicle Routing Problem With Time Windows. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1309–1316. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[222] Reimann, M., Stummer, M., and Doerner, K.: A Savings Based Ant System For The Vehicle Routing Problem. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1317–1326. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[223] Baresel, A., Sthamer, H., and Schmidt, M.: Fitness Function Design To Improve Evolutionary Structural Testing. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1329–1336. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[224] Bottaci, L.: Instrumenting Programs With Flag Variables For Test Data Search By Genetic Algorithms. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1337–1342. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[225] Emer, M. C. F. P. and Vergilio, S. R.: GPTesT: A Testing Tool Based On Genetic Programming. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1343–1350. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[226] Harman, M., Hierons, R., and Proctor, M.: A New Representation And Crossover Operator For Search-based Optimization Of Software Modularization. In Langdon, W. B., Cantú-Paz, E.,

Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1351–1358. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[227] Harman, M., Hu, L., Hierons, R., Baresel, A., and Sthamer, H.: Improving Evolutionary Testing By Flag Removal. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1359–1366. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[228] Kirsopp, C., Shepperd, M., and Hart, J.: Search Heuristics, Case-based Reasoning And Software Project Effort Prediction. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1367–1374. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[229] Mitchell, B. S. and Mancoridis, S.: Using Heuristic Search Techniques To Extract Design Abstractions From Source Code. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1375–1382. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[230] Van Belle, T. and Ackley, D. H.: Code Factoring And The Evolution Of Evolvability. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1383–1390. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8

[231] Groß, H.-G. and Mayer, N.: Evolutionary Testing In Component-based Real-time System Construction. In Langdon, W. B., Cantú-Paz, E., Mathias, K., Roy, R., Davis, D., Poli, R., Balakrishnan, K., Honavar, V., Rudolph, G., Wegener, J., Bull, L., Potter, M. A., Schultz, A. C., Miller, J. F., Burke, E., and Jonoska, N., eds., *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, 1393. Morgan Kaufmann Publishers, New York (2002). ISBN 1-55860-878-8