Список литературы

- [1] Spector, L. et al., editors, *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), San Francisco, California, USA, 2001, Morgan Kaufmann.
- [2] Sehitoglu, O. T. and Ucoluk, G., A building block favoring reordering method for gene positions in genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 571–575, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [3] Miconi, T., A collective genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 876–883, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [4] Pei, H. and Goodman, E., A comparison of cohort genetic algorithms with canonical serial and island-model distributed ga's, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 501–510, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [5] Vazquez, M., A comparison of genetic algorithms and tabu search techniques for the resource-constrained project scheduling problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1185, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [6] de Oliveira, A. C. M. and Lorena, L. A. N., A constructive genetic algorithm for the linear gate assignment problem, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 756, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [7] Aguilar, J. and Leiss, E. L., A data dependent loop scheduler based on genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1183, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [8] Shimodaira, H., A diversity-control-oriented genetic algorithm (dcga): Performance improvement by the reinitialization of the population, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 576–583, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [9] Kennedy, P. J. and Osborn, T. R., A double-stranded encoding scheme with inversion operator for genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 398–407, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [10] Santana, R., Ochoa-Rodriguez, A., and Soto, M. R., A factorized distribution algorithm for problems with integer representation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 780, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [11] Li, J. and Kwan, R. S. K., A fuzzy theory based evolutionary approach for driver scheduling, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1152–1158, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [12] Rhyne, II, R. D. and Smith, III, J. F., A game based approach to co-evolutionary optimization, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 908, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [13] Soper, A. and Walshaw, C., A generational scheme for partitioning graphs, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 607–614, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [14] Jiang, R., Szeto, K. Y., Luo, Y., and Hu, D., A genetic algorithm architecture by coordinating exploration and exploitation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 383–390, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [15] Determan, J. C. and Foster, J. A., A genetic algorithm for expert system rule generation, in Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., page 757, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [16] Wakabayashi, S. and Ohsako, M., A genetic algorithm for generating a steiner tree with wire sizing and buffer insertion, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1431–1438, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [17] Hingston, P., A genetic algorithm for regular inference, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1299–1306, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [18] Pech-Gourg, N. and Hao, J.-K., A genetic algorithm for the classification of natural corks, in Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 1382–1388, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [19] Correa, E. S., Steiner, M. T. A., Freitas, A. A., and Carnieri, C., A genetic algorithm for the p-median problem, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 1268–1275, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [20] Tsai, H.-K., Yang, J.-M., and Kao, C.-Y., A genetic algorithm for traveling salesman problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 687–693, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [21] Soule, T. and Ball, A. E., A genetic algorithm with multiple reading frames, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 615–622, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [22] Barry, A., A hierarchical xcs for long path environments, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 913–920, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [23] Poon, J. and Prasher, S., A hybrid approach to support interactive data mining, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 527–534, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [24] Potvin, J.-Y. and De Ladurantaye, D., A hybrid genetic algorithm for the generalized traveling salesman problem, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 1167–1172, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [25] Kim, S.-H., Kim, Y.-H., and Moon, B.-R., A hybrid genetic algorithm for the max cut problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 416–423, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [26] Kim, J.-P. and Moon, B.-R., A hybrid genetic search for multi-way graph partitioning based on direct partitioning, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 408–415, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [27] Choi, S.-S. and Moon, B.-R., A hybrid genetic search for the sorting network problem with evolving parallel layers, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 258–265, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [28] Teich, T., Fischer, M., Vogel, A., and Fischer, J., A new ant colony algorithm for the job shop scheduling problem, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 803, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [29] Fernandez, F., Sanchez, J. M., and Tomassini, M., A new methodology for the placement and routing problem based on padgp, in *Proceedings of the Genetic and Evolutionary Computation* Conference (GECCO-2001), edited by Spector, L. et al., page 175, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [30] Miki, M., Hiroyasu, T., and Mizuta, T., A new parallel distributed genetic algorithm applied to traveling salesman problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 772, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [31] Toshine, N., Iwauchi, N., Wakabayashi, S., Koide, T., and Nishimura, I., A parallel genetic algorithm with adaptive adjustment of genetic parameters, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 679–686, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [32] Goldberg, D. E. and Sastry, K., A practical schema theorem for genetic algorithm design and tuning, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 328–335, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [33] Montana, D. J., A reconfigurable optimizing scheduler, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1159–1166, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [34] Jensen, M. T., A remark on solving minimax problems with coevolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 769, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [35] Koizumi, S., Wakabayashi, S., Koide, T., Fujiwara, K., and Imura, N., A risc processor for high-speed execution of genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1338–1345, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [36] Espinoza, F. P., Minsker, B. S., and Goldberg, D. E., A self adaptive hybrid genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 759, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [37] Abbass, H. A., A single queen single worker honey-bees approach to 3-sat, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 807–814, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [38] Braud, A. and Vrain, C., A study of the scalability of a data mining genetic algorithm on a distributed database, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 753, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [39] Luke, S. and Panait, L., A survey and comparison of tree generation algorithms, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 81–88, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [40] Poupaert, E. and Deville, Y., Acceptance driven local search and evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1173–1180, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [41] Kim, J.-H. and Moon, B.-R., Adaptive and dynamic elevator group control with a genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1322–1329, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [42] Lee, C.-Y. and Antonsson, E. K., Adaptive evolvability via non-coding segment induced linkage, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 448–453, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [43] Downing, K. L., Adaptive genetic programs via reinforcement learning, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 19–26, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [44] Keijzer, M., Babovic, V., Ryan, C., O'Neill, M., and Cattolico, M., Adaptive logic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 42–49, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [45] Elhadef, M. and Coley, D. A., Adaptive mutation for semi-separable problems, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 306–312, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [46] Gerard, P. and Sigaud, O., Adding a generalization mechanism to yacs, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 951–957, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [47] Bot, M. C. J., Urquhart, N., and Chisholm, K., Agent motion planning with gas enhanced by memory models, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 227–234, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [48] Pesic, B., Durand, N., and Alliot, J.-M., Aircraft ground traffic optimisation using a genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1397–1404, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [49] Kee, E., Airey, S., and Cyre, W., An adaptive genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 391–397, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [50] Huang, C.-F., An analysis of mate selection in genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 766, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [51] Guntsch, M., Middendorf, M., and Schmeck, H., An ant colony optimization approach to dynamic tsp, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 860–867, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [52] Parpinelli, R. S., Lopes, H. S., and Freitas, A. A., An ant colony based system for data mining: Applications to medical data, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 791–797, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [53] Wiegand, R. P., Liles, W. C., and De Jong, K. A., An empirical analysis of collaboration methods in cooperative coevolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1235–1242, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [54] van Hemert, J. I. and Jansen, M. L. M., An engineering approach to evolutionary art, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 177, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [55] Kim, J. and Bentley, P. J., An evaluation of negative selection in an artificial immune system for network intrusion detection, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1330–1337, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [56] Congdon, C. B., An exploration in combatting premature convergence, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 755, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [57] Carvalho, D. R. and Freitas, A. A., An immunological algorithm for discovering small-disjunct rules in data mining, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 904, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [58] Wu, A. S., Jin, S., Schiavone, G., and Lin, K.-C., An incremental fitness function for partitioning parallel tasks, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 733–740, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [59] Barbosa, H. J. C. and Barreto, A. M. S., An interactive genetic algorithm with co-evolution of weights for multiobjective problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 203–210, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [60] El-Maleh, A. H., Sait, S. M., and Shazli, S. Z., An iterative heuristic for state justification in sequential automatic test pattern generation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1019–1025, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [61] Shibata, H. and Fujii, N., Analog circuit synthesis based on reuse of topological features of prototype circuits, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 1205–1214, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [62] Butz, M. V. and Pelikan, M., Analyzing the evolutionary pressures in xcs, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 935–942, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [63] Aguilar, J., Ant colony optimization, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 801, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [64] Mehrotra, R., Karr, C. L., and Zeiler, T. A., Application of genetic algorithm to determining worst-case gust loads and the dynamic response of aircraft structures, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1451, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [65] Teich, T., Meier, H., and Schallner, H., Application service providing for shop floor scheduling in non-hierarchical regional production networks using genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1455, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [66] Doerner, K. F., Hartl, R. F., and Reimann, M., Are competants more competent for problem solving? - the case of a routing and scheduling problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 802, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [67] Spector, L., Autoconstructive evolution: Push, pushgp, and pushpop, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 137–146, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [68] Streeter, M. and Becker, L. A., Automated discovery of numerical approximation formulae via genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 147–154, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [69] Koza, J. R., Mydlowec, W., Lanza, G., Yu, J., and Keane, M. A., Automatic synthesis of both the topology and sizing of metabolic pathways using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 57–65, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [70] Pelikan, M., Goldberg, D. E., and Sastry, K., Bayesian optimization algorithm, decision graphs, and occam's razor, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 519–526, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [71] Nomura, T., Behavior analysis of real-valued evolutionary algorithms for independent loci in an infinite population, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 774, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [72] Knowles, J. D. and Corne, D. W., Benchmark problem generators and results for the multiobjective degree-constrained minimum spanning tree problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 424–431, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [73] Hornby, G. S. and Pollack, J. B., Body-brain co-evolution using l-systems as a generative encoding, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 868–875, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [74] Martin, P., Building a taxonomy of genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 182, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [75] Van Hoyweghen, C., Goldberg, D. E., and Naudts, B., Building block superiority, multimodality and synchronization problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 694–701, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [76] Menon, A., Building blocks: A combinatorial road to greed, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 477–484, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [77] Ortmann, M. and Weber, W., Calculating robot trajectories with parallel evolutionary strategies, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1453, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [78] Booker, L. B., Classifier systems, endogenous fitness, and delayed rewards: A preliminary investigation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 921–926, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [79] Watson, R. A. and Pollack, J. B., Coevolutionary dynamics in a minimal substrate, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 702–709, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [80] Burke, E. K., Cowling, P., Silva, J. D. L., and Petrovic, S., Combining hybrid mataheuristics and populations for the multiobjective optimisation of space allocation problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1252–1259, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [81] Paton, A. R., Computing with membranes: P systems with dna-worms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1016, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [82] Korkmaz, E. E. and Ucoluk, G., Controlling the genetic programming search, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 180, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [83] Arai, S. and Sycara, K., Credit assignment method for learning effective stochastic policies in uncertain domain, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 815–822, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [84] Bosman, P. A. N. and Thierens, D., Crossing the road to efficient ideas for permutation problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 219–226, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [85] Tomlinson, A. and Bull, L., Cxcs: Improvements and corporate generalization, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 966–973, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [86] Wright, A. H. and Agapie, A., Cyclic and chaotic behavior in genetic algorithms, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 718–724, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [87] Portmann, M.-C. and Aloulou, M.-A., Data oriented genetic operators for one-machine scheduling problems', in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1184, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [88] Reed, P. M., Minsker, B. S., and Goldberg, D. E., Designing a new elitist nondominated sorted genetic algorithm for a multiobjective long term groundwater monitoring application, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1454, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [89] Chen, H.-M. and Ho, S.-Y., Designing an optimal evolutionary fuzzy decision tree for data mining, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 943–950, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [90] O'Neill, M., Brabazon, T., Ryan, C., and Collins, J. J., Developing a market timing system using grammatical evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 1375–1381, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [91] Mendes, R. R. F., de B. Voznika, F., Nievola, J. C., and Freitas, A. A., Discovering fuzzy classification rules with genetic programming and co-evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 183, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [92] Garzon, M. H. and Oehmen, C., Distributed virtual test tubes, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 997–1004, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [93] Deaton, R., Dna and quantum computers, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 989–996, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [94] Sastry, K., Goldberg, D. E., and Pelikan, M., Don't evaluate, inherit, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 551–558, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [95] Jin, Y., Olhofer, M., and Sendhoff, B., Dynamic weighted aggregation for evolutionary multiobjective optimization: Why does it work and how?, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1042– 1049, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [96] van den Bergh, F. and Engelbrecht, A. P., Effects of swarm size on cooperative particle swarm optimisers, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 892–899, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [97] Albert, L. A. and Goldberg, D. E., Efficient evaluation relaxation under integrated fitness functions, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 751, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [98] Branke, J., Schmidt, C., and Schmeck, H., Efficient fitness estimation in noisy environments, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 243–250, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [99] Krasnogor, N. and Smith, J., Emergence of profitable search strategies based on a simple inheritance mechanism, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 432–439, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [100] Nawa, N. E., Shimohara, K., and Katai, O., Equilibrium selection in a sequential multi-issue bargaining model using evolutionary algorithms: A preliminary study, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 906, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [101] Pelikan, M. and Goldberg, D. E., Escaping hierarchical traps with competent genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 511–518, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [102] Duan, M. and Povinelli, R. J., Estimating stock price predictability using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 174, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [103] Huber, R., Estimation of mixture parameters by a hybrid ga/em method: Application to radar remote sensing data, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 1449, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [104] Uchibe, E., Yanase, M., and Asada, M., Evolution for behavior selection accelerated by activation/termination constraints, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1122–1129, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [105] Gallagher, J. C., Evolution of dynamical neural network arrays to correct arrhythmias in a simulated human heart, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 1189–1196, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [106] Keller, R. E. and Banzhaf, W., Evolution of genetic code on a hard problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 50–56, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [107] Miller, J., Evolution of program size in cartesian genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 184, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [108] Abou-Assaleh, T., Zhang, J., and Cercone, N., Evolution of recurrent neural networks to control autonomous life agents, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 903, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [109] Eriksson, A. and Lindgren, K., Evolution of strategies in repeated stochastic games with full information of the payoff matrix, in *Proceedings of the Genetic and Evolutionary Computation* Conference (GECCO-2001), edited by Spector, L. et al., pages 853–859, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [110] Sbalzarini, I. F., Muller, S. D., Koumoutsakos, P. D., and Cottet, G.-H., Evolution strategies for computational and experimental fluid dynamic applications, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1064–1071, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [111] Huhse, J. and Zell, A., Evolution strategy with neighborhood attraction a robust evolution strategy, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1026–1033, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [112] Krink, T., Ursem, R. K., and Filipic, B., Evolutionary algorithms in control optimization: The greenhouse problem, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 440–447, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [113] Dozier, G., Evolutionary hill-climbing, virtual constraints, and recurrent dynamic csps, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 758, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [114] Keymeulen, D., Stoica, A., Buehler, M., Zebulum, R., and Duong, V., Evolutionary mechanisms for smart on-board adaptive sensing applied to the meca electrometer, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1197–1204, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [115] Pedrycz, W. and Reformat, M., Evolutionary optimization of logic-oriented systems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1389–1396, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [116] Weinert, K., Surmann, T., and Mehnen, J., Evolutionary surface reconstruction using csg-nurbshybrids, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1456, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [117] French, R. L. B. and Damper, R. I., Evolving a nervous system of spiking neurons for a behaving robot, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1099–1106, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [118] Soh, L.-K., Tsatsoulis, C., Jones, M. E., and Agah, A., Evolving cases for case-based reasoning multiagent negotiations, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 909, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [119] Dasgupta, D. and Gonzalez, F. A., Evolving complex fuzzy classifier rules using a linear tree genetic representation, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 299–305, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [120] Coelho, A. L. V., Weingaertner, D., and Von Zuben, F. J., Evolving heterogeneous neural networks for classification problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 266–273, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [121] Bassett, J. K., Wiegand, R. P., and De Jong, K. A., Evolving multi-agent behaviors using a tunable problem landscape, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1133, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [122] Bruce, J. and Miikkulainen, R., Evolving populations of expert neural networks, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 251–257, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [123] Frey, C. and Leugering, G., Evolving strategies for global optimization a finite state machine approach, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 27–33, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [124] Fuhner, T. and Jacob, C., Evolvision an evolvica visualization tool, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 176, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [125] Poli, R. and McPhee, N. F., Exact schema theory for gp and variable-length gas with homologous crossover, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 104–111, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [126] Tan, K. C., Khor, E. F., Heng, C. M., and Lee, T. H., Exploratory multi-objective evolutionary algorithm: Performance study and comparisons, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 647–654, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [127] Goldbarg, M. C. and Gouvea, E. F., Extra-intracellular transgenetic algorithm, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., page 762, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [128] Topchy, A. and Punch, W. F., Faster genetic programming based on local gradient search of numeric leaf values, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 155–162, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [129] Imamura, K. and Foster, J. A., Fault-tolerant computing with n-version genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 178, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [130] Hernandez, J. C., Ribagorda, A., Isasi, P., and Sierra, J. M., Finding near optimal parameters for linear congruential pseudorandom number generators by means of evolutionary computation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1292–1298, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [131] Dastani, M., Marchiori, E., and Voorn, R., Finding perceived pattern structures using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 3–10, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [132] Jensen, M. T., Finding worst-case flexible schedules using coevolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1144–1151, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [133] Seo, K., Goodman, E. D., and Rosenberg, R. C., First steps toward automated design of mechatronic systems using bond graphs and genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 189, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [134] Vanyi, R., Fitness functions for generated binary images, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 786, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [135] Enochs, B. P. and Wainwright, R. L., Forging optimal solutions to the edge-coloring problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 313–319, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [136] Wilson, S. W., Function approximation with a classifier system, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 974–981, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [137] Soule, T. and Heckendorn, R. B., Function sets in genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 190, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [138] Handa, H. et al., Fusion of coevolutionary ga and machine learning techniques through effective schema extraction, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 764, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [139] Aguilar, J. and Cerrada, M., Fuzzy classifier system and genetic programming on system identification problems, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 1245–1251, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [140] Sait, S. M., Youssef, H., and Khan, J. A., Fuzzy evolutionary algorithm for vlsi placement, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1056–1063, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [141] Qi, D. and Sun, R., Ga-based multi-agent reinforcement learning for playing backgammon, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 777, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [142] Pindor, A. J., Ga313 genetic algorithm for systems with 2d genotype, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 776, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [143] van Bragt, D. D. B. and La Poutre, J. A., Generating efficient automata for negotiations an exploration with evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1093, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [144] Johnson, E. L., Genetic algorithms as algorithm adversaries, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1314–1321, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [145] Tyni, T. and Ylinen, J., Genetic algorithms in elevator car routing problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1413–1422, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [146] Wright, J. A. and Farmani, R., Genetic algorithms: A fitness formulation for constrained minimization, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 725–732, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [147] Schloman, J. and Blackford, B., Genetic programming evolves a human-competitive player for a complex, on-line, interactive, multi-player game of strategy, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 188, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [148] Langdon, W. B. and Buxton, B. F., Genetic programming for combining classifiers, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 66–73, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [149] Howard, D. and Roberts, S. C., Genetic programming solution of the convection-diffusion equation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 34–41, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [150] Nikolaev, N. and Iba, H., Genetic programming using chebishev polynomials, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 89–96, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [151] Mao, J., Hirasawa, K., Hu, J., and Murata, J., Genetic symbiosis algorithm for multiobjective optimization problems, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 771, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [152] Jin, H.-D., Leung, K.-S., and Wong, M.-L., Genetic-guided model-based clustering analysis, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 770, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [153] Vanyi, R. and Kokai, G., Giving structural descriptions of tree-like objects from binary images using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 163–172, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [154] Hartke, B., Global geometry optimization of atomic and molecular clusters by genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1284–1291, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [155] O'Neill, M., Ryan, C., and Nicolau, M., Grammar defined introns: An investigation into grammars, introns, and bias in grammatical evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 97–103, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [156] Globus, A., Lawton, J., and Wipke, T., Graph crossover, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 761, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [157] Liu, Y., How to evolve a cooperative population by minimizing mutual information, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1095, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [158] Butz, M. V., Kovacs, T., Lanzi, P. L., and Wilson, S. W., How xcs evolves accurate classifiers, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 927–934, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [159] Lovbjerg, M., Rasmussen, T. K., and Krink, T., Hybrid particle swarm optimiser with breeding and subpopulations, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 469–476, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [160] Matsui, S. and ichi Tokoro, K., Improving the performance of a genetic algorithm for minimum span frequency assignment problem with an adaptive mutation rate and a new initialization method, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1359–1366, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [161] Monsieurs, P. and Flerackers, E., Increasing the diversity of a population in genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 185, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [162] Aguirre, H. E., Tanaka, K., and Oshita, S., Increasing the robustness of distributed genetic algorithms by parallel cooperative-competitive genetic operators, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 195–202, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [163] Huang, C.-F., Independent sampling genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 367–374, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [164] Tiwari, A., Roy, R., Jared, G., and Munaux, O., Interaction and multi-objective optimisation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 671–678, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [165] Berlanga, A., Isasi, P., and Segovia, J., Interactive evolutionary computation with small population to generate gestures in avatars, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 823–828, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [166] Divina, F. and Marchiori, E., Knowledge based evolutionary programming for inductive learning in first-order logic, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 173, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [167] Llora, X. and Garrell, J. M., Knowledge-independent data mining with fine-grained parallel evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 461–468, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [168] Bousonville, T., Local search and evolutionary computation for arc routing in garbage collection, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1137–1143, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [169] Poland, J. and Zell, A., Main vector adaptation: A cma variant with linear time and space complexity, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1050–1055, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [170] Poli, R., Rowe, J. E., and McPhee, N. F., Markov chain models for gp and variable-length gas with homologous crossover, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 112–119, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [171] Belaidouni, M. and Hao, J.-K., Max-csp and fitness landscapes, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 752, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [172] Lanzi, P. L., Mining interesting knowledge from data with the xcs classifier system, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 958–965, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [173] Huber, R. and Schell, T., Mixed size tournament selection, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 767, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [174] Kosorukoff, A., Mittenthal, J., and Goldberg, D., Modeling of evolution of signaling networks in living cells by evolutionary computation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 905, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [175] Sastry, K. and Goldberg, D. E., Modeling tournament selection with replacement using apparent added noise, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 781, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [176] Smith, J., Modelling gas with self adaptive mutation rates, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 599–606, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [177] Downing, K. L., Modular designer chemistries for artificial life, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 845–852, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [178] Naudts, B., Schoofs, L., and Verschoren, A., Moments of schema fitness distributions for multary alphabets, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 773, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [179] Goto, R. and Sato, Y., Motion analysis of moving objects with genetic algorithms, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 1276–1283, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [180] Chen, J.-H. and Ho, S.-Y., Multi-objective evolutionary optimization of flexible manufacturing systems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1260–1267, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [181] Farhang-Mehr, A. and Azarm, S., Multi-objective genetic algorithms with concepts from statistical thermodynamics, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1075, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [182] Thierens, D. and Bosman, P. A. N., Multi-objective mixture-based iterated density estimation evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 663–670, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [183] Lorenc, B., Multidimensional scaling using evolutionary computation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1450, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [184] Moore, J. H. and Hahn, L. W., Multilocus pattern recognition using cellular automata and parallel genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1452, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [185] Coello, C. A. and Pulido, G. T., Multiobjective optimization using a micro-genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 274–282, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [186] Vrajitoru, D., Nested genetic algorithms with problem division, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 787, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [187] Katagiri, H., Hirasawa, K., Hu, J., and Murata, J., Network structure oriented evolutionary model genetic network programming—and its comparison with, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 179, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [188] Ryan, C., O'Neill, M., and Azad, A., No coercion and no prohibition a position independent encoding scheme for evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 187, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [189] Greene, W. A., Non-linear bit arrangements in genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 763, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [190] Tan, K. C., Lee, T. H., Khor, E. F., Heng, C. M., and Khoo, D., Nonlinear constraint handling technique via angular transformation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 655–662, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [191] Heckendorn, R. B., Of heisenberg and epistasis, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 765, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [192] Wu, J. and Azarm, S., On a new constraint handling technique for multi-objective genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 741–748, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [193] Simoes, A. and Costa, E., On biologically inspired genetic operators: Transformation in the standard genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 584–591, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [194] Jain, B. J., Pohlheim, H., and Wegener, J., On termination criteria of evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 768, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [195] Schmitt, F. and Rothlauf, F., On the importance of the second largest eigenvalue on the convergence rate of genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 559–564, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [196] Denzinger, J. and Kordt, M., On the influence of learning time on evolutionary online learning of cooperative behavior, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 837–844, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [197] Goldberg, D. E., Sastry, K., and Latoza, T., On the supply of building blocks, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 336–342, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [198] Jansen, T. and Wegener, I., On the utility of populations in evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1034–1041, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [199] Igel, C. and Kreutz, M., Operator adaptation in structure optimization of neural networks, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1094, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [200] Gargano, M. L. and Edelson, W., Optimal sequenced matroid bases solved by ga's with feasible search space including applications, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1447, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [201] Li, Y., Xin, X., Kikuchi, N., and Saitou, K., Optimal shape and location of piezoelectric materials for topology optimization of flextensional actuators, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1085–1090, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [202] Anbarasu, L. A., Sundararajan, V., and Narayanasamy, P., Parallel genetic algorithm for performance-driven sequence alignment, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1015, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [203] Noble, J. and Watson, R. A., Pareto coevolution: Using performance against coevolved opponents in a game as dimensions for pareto selection, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 493–500, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [204] Kwon, Y.-K. and Moon, B.-R., Personalized email marketing with a genetic programming circuit model, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1352–1358, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [205] Corne, D. W., Jerram, N. R., Knowles, J. D., and Oates, M. J., Pesa-ii: Region-based selection in evolutionary multiobjective optimization, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 283–290, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [206] Belding, T. C., Potholes on the royal road, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 211–218, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [207] Schmiedle, F., Drechsler, N., Grosse, D., and Drechsler, R., Priorities in multi-objective optimization for genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 129–136, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [208] Wiles, J., Schulz, R., Hallinan, J., Bolland, S., and Tonkes, B., Probing the persistent question marks, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 710–717, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [209] Sato, Y., Proposal for a register transfer level evolution on a microprocessor incorporated flash memory, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1216, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [210] Fujimoto, Y. and Shimohara, K., Proposal of eco-evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 760, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [211] Michaud, S. R., Zydallis, J. B., Lamont, G. B., Harmer, P. K., and Pachter, R., Protein structure prediction with ea immunological computation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1367–1374, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [212] Gottlieb, J., Julstrom, B. A., Raidl, G. R., and Rothlauf, F., Prufer numbers: A poor representation of spanning trees for evolutionary search, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 343–350, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [213] Rylander, B., Soule, T., Foster, J., and Alves-Foss, J., Quantum evolutionary programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1005–1011, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [214] Jansen, T. and Wegener, I., Real royal road functions where crossover provably is essential, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 375–382, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [215] Weinert, K. and Stautner, M., Reconstruction of particle flow mechanisms with symbolic regression via genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1439–1443, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [216] de Jong, E. D., Watson, R. A., and Pollack, J. B., Reducing bloat and promoting diversity using multi-objective methods, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 11–18, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [217] Branke, J., Reducing the sampling variance when searching for robust solutions, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 235–242, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [218] Neri, F., Relating two cooperative learning strategies to the features of the found concept description, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 986, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [219] Gen, M. and Lee, C., Reliability optimization design using hybrid nn-ga with fuzzy logic controller, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1448, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [220] Bongard, J. C. and Pfeifer, R., Repeated structure and dissociation of genotypic and phenotypic complexity in artificial ontogeny, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 829–836, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [221] Suzuki, H. and Sawai, H., Schema evolution equation using quasi-schema representation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 784, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [222] Vitrano, J. B. and Povinelli, R. J., Selecting dimensions and delay values for a time-delay embedding using a genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1423–1430, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [223] Hart, W. E., Self-adaptive evolutionary pattern search algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 1076, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [224] Tsutsui, S., Goldberg, D. E., and Sastry, K., Simplex crossover and linkage learning in real-coded gas, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 785, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [225] Cantu-Paz, E., Single vs. multiple runs under constant computation cost, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 754, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [226] Kordon, A. K. and Smits, G. F., Soft sensor development using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1346–1351, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [227] Jimenez, J. A., Abderraman, J. C., Cuesta, P. D., , and Winter, G., Solving elliptical partial differential equations in a natural way, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1307–1313, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [228] Horng, J.-T., Jin, M.-H., and Kao, C.-Y., Solving fixed channel assignment problems by an evolutionary approach, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 351–358, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [229] Stephens, C. R., Some exact results from a coarse grained formulation of genetic dynamics, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 631–638, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [230] Patrignani, M., Stability of arbitrary genes: a new approach to cooperation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 907, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [231] Craenen, B. G. W. and Eiben, A. E., Stepwise adaption of weights with refinement and decay on constraint satisfaction problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 291–298, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [232] Fu, C., Wilson, S. W., and Davis, L., Studies of the xcsi classifier system on a data mining problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 985, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [233] Furutani, H., Study of crossover in one max problem by linkage analysis, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 320–327, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [234] Roberts, S. C., Howard, D., and Koza, J. R., Subtree encapsulation versus adfs in gp for parity problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 186, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [235] Parthasarathy, P. V., Goldberg, D. E., and Burns, S. A., Tackling multimodal problems in hybrid genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 775, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [236] Yeh, C.-H. and Chen, S.-H., The differences between social and individual learning on the time series properties: The approach based on genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 191, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [237] Rowe, J. E. and McPhee, N. F., The effects of crossover and mutation operators on variable length linear structures, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 535–542, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [238] Ross, B. J., The evaluation of a stochastic regular motif language for protein sequences, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 120–128, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [239] Parker, G. B., The incremental evolution of gaits for hexapod robots, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1114–1121, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [240] Balling, R. and Wilson, S., The maximin fitness function for multi-objective evolutionary computation: Application to city planning, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1079–1084, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [241] Santana, R., Ochoa-Rodriguez, A., and Soto, M. R., The mixture of trees factorized distribution algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 543–550, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [242] Schumacher, C., Vose, M. D., and Whitley, L. D., The no free lunch and problem description length, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 565–570, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [243] Roos, R. S., The patchy ga and domination problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 779, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [244] Gao, Y. and Culberson, J., The phase transition in nk landscapes is easy, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1227–1234, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [245] Riopka, T. P. and Bock, P., The relevance of genotypic learning in the clga, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 778, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [246] Hsu, W. W. and Hsu, C.-C., The spontaneous evolution genetic algorithm for solving the traveling salesman problem, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 359–366, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [247] Murata, T., Kawakami, S., Nozawa, H., Gen, M., and Ishibuchi, H., Three-objective genetic algorithms for designing compact fuzzy rule-based systems for pattern classification problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 485–492, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [248] Someya, H. and Yamamura, M., Toroidal search space conversion for robust real-coded genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 782, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [249] Ekman, M., Magnusson, A., and Nordin, P., Two approaches for high-level evolvable hardware using function blocks, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., page 1215, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [250] Pereira, F. B. and Costa, E., Understanding the role of learning in the evolution of busy beavers: a comparison between the baldwin effect and a lamarckian strategy, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 884–891, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [251] Rychtyckyj, N. and Reynolds, R. G., Using cultural algorithms to improve knowledge base maintainability, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2001), edited by Spector, L. et al., pages 1405–1412, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [252] Liu, X., Swift, S., and Tucker, A., Using evolutionary algorithms to tackle large scale grouping problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 454–460, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [253] Tamaddoni-Nezhad, A. and Muggleton, S., Using genetic algorithms for learning clauses in first-order logic, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 639–646, San Francisco, California, USA, 2001, Morgan Kaufmann.

- [254] Soule, T., Using genetic algorithms to evolve cooperative teams, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 783, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [255] Oliveira, G. M. B., de Oliveira, P. P. B., and Omar, N., Using heuristics related to cellular automata behavior forecast to improve genetic search for a grouping task, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., page 181, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [256] Sinha, A. and Goldberg, D. E., Verification and extension of the theory of global-local hybrids, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 592–598, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [257] Srivastava, R. P. and Goldberg, D. E., Verification of the theory of genetic algorithm continuation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 623–630, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [258] Martin, M. C., Visual obstacle avoidance using genetic programming: First results, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2001), edited by Spector, L. et al., pages 1107–1113, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [259] Christensen, S. and Oppacher, F., What can we learn from no free lunch? a first attempt to characterize the concept of a searchable function, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 1219–1226, San Francisco, California, USA, 2001, Morgan Kaufmann.
- [260] Luke, S., When short runs beat long runs, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, edited by Spector, L. et al., pages 74–80, San Francisco, California, USA, 2001, Morgan Kaufmann.