

Список литературы

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

- [14] Jiang, R., Szeto, K. Y., Luo, Y., and Hu, D. (2001) A genetic algorithm architecture by coordinating exploration and exploitation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 383–390, Morgan Kaufmann.
- [15] Determan, J. C. and Foster, J. A. (2001) A genetic algorithm for expert system rule generation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 757, Morgan Kaufmann.
- [16] Wakabayashi, S. and Ohsako, M. (2001) A genetic algorithm for generating a steiner tree with wire sizing and buffer insertion. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1431–1438, Morgan Kaufmann.
- [17] Hingston, P. (2001) A genetic algorithm for regular inference. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1299–1306, Morgan Kaufmann.
- [18] Pech-Gourg, N. and Hao, J.-K. (2001) A genetic algorithm for the classification of natural corks. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1382–1388, Morgan Kaufmann.
- [19] Correa, E. S., Steiner, M. T. A., Freitas, A. A., and Carnieri, C. (2001) A genetic algorithm for the p-median problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1268–1275, Morgan Kaufmann.
- [20] Tsai, H.-K., Yang, J.-M., and Kao, C.-Y. (2001) A genetic algorithm for traveling salesman problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 687–693, Morgan Kaufmann.
- [21] Soule, T. and Ball, A. E. (2001) A genetic algorithm with multiple reading frames. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 615–622, Morgan Kaufmann.
- [22] Barry, A. (2001) A hierarchical xcs for long path environments. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 913–920, Morgan Kaufmann.
- [23] Poon, J. and Prasher, S. (2001) A hybrid approach to support interactive data mining. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 527–534, Morgan Kaufmann.
- [24] Potvin, J.-Y. and De Ladurantaye, D. (2001) A hybrid genetic algorithm for the generalized traveling salesman problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1167–1172, Morgan Kaufmann.
- [25] Kim, S.-H., Kim, Y.-H., and Moon, B.-R. (2001) A hybrid genetic algorithm for the max cut problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 416–423, Morgan Kaufmann.
- [26] Kim, J.-P. and Moon, B.-R. (2001) A hybrid genetic search for multi-way graph partitioning based on direct partitioning. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 408–415, Morgan Kaufmann.

- [27] Choi, S.-S. and Moon, B.-R. (2001) A hybrid genetic search for the sorting network problem with evolving parallel layers. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 258–265, Morgan Kaufmann.
- [28] Teich, T., Fischer, M., Vogel, A., and Fischer, J. (2001) A new ant colony algorithm for the job shop scheduling problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 803, Morgan Kaufmann.
- [29] Fernandez, F., Sanchez, J. M., and Tomassini, M. (2001) A new methodology for the placement and routing problem based on padgp. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 175, Morgan Kaufmann.
- [30] Miki, M., Hiroyasu, T., and Mizuta, T. (2001) A new parallel distributed genetic algorithm applied to traveling salesman problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 772, Morgan Kaufmann.
- [31] Toshine, N., Iwauchi, N., Wakabayashi, S., Koide, T., and Nishimura, I. (2001) A parallel genetic algorithm with adaptive adjustment of genetic parameters. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 679–686, Morgan Kaufmann.
- [32] Goldberg, D. E. and Sastry, K. (2001) A practical schema theorem for genetic algorithm design and tuning. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 328–335, Morgan Kaufmann.
- [33] Montana, D. J. (2001) A reconfigurable optimizing scheduler. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1159–1166, Morgan Kaufmann.
- [34] Jensen, M. T. (2001) A remark on solving minimax problems with coevolution. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 769, Morgan Kaufmann.
- [35] Koizumi, S., Wakabayashi, S., Koide, T., Fujiwara, K., and Imura, N. (2001) A risc processor for high-speed execution of genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1338–1345, Morgan Kaufmann.
- [36] Espinoza, F. P., Minsker, B. S., and Goldberg, D. E. (2001) A self adaptive hybrid genetic algorithm. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 759, Morgan Kaufmann.
- [37] Abbass, H. A. (2001) A single queen single worker honey-bees approach to 3-sat. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 807–814, Morgan Kaufmann.
- [38] Braud, A. and Vrain, C. (2001) A study of the scalability of a data mining genetic algorithm on a distributed database. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 753, Morgan Kaufmann.
- [39] Luke, S. and Panait, L. (2001) A survey and comparison of tree generation algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 81–88, Morgan Kaufmann.

- [40] Poupert, E. and Deville, Y. (2001) Acceptance driven local search and evolutionary algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1173–1180, Morgan Kaufmann.
- [41] Kim, J.-H. and Moon, B.-R. (2001) Adaptive and dynamic elevator group control with a genetic algorithm. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1322–1329, Morgan Kaufmann.
- [42] Lee, C.-Y. and Antonsson, E. K. (2001) Adaptive evolvability via non-coding segment induced linkage. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 448–453, Morgan Kaufmann.
- [43] Downing, K. L. (2001) Adaptive genetic programs via reinforcement learning. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 19–26, Morgan Kaufmann.
- [44] Keijzer, M., Babovic, V., Ryan, C., O'Neill, M., and Cattolico, M. (2001) Adaptive logic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 42–49, Morgan Kaufmann.
- [45] Elhadeif, M. and Coley, D. A. (2001) Adaptive mutation for semi-separable problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 306–312, Morgan Kaufmann.
- [46] Gerard, P. and Sigaud, O. (2001) Adding a generalization mechanism to yacs. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 951–957, Morgan Kaufmann.
- [47] Bot, M. C. J., Urquhart, N., and Chisholm, K. (2001) Agent motion planning with gas enhanced by memory models. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 227–234, Morgan Kaufmann.
- [48] Pesic, B., Durand, N., and Alliot, J.-M. (2001) Aircraft ground traffic optimisation using a genetic algorithm. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1397–1404, Morgan Kaufmann.
- [49] Kee, E., Airey, S., and Cyre, W. (2001) An adaptive genetic algorithm. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 391–397, Morgan Kaufmann.
- [50] Huang, C.-F. (2001) An analysis of mate selection in genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 766, Morgan Kaufmann.
- [51] Guntsch, M., Middendorf, M., and Schmeck, H. (2001) An ant colony optimization approach to dynamic tsp. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 860–867, Morgan Kaufmann.
- [52] Parpinelli, R. S., Lopes, H. S., and Freitas, A. A. (2001) An ant colony based system for data mining: Applications to medical data. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 791–797, Morgan Kaufmann.

- [53] Wiegand, R. P., Liles, W. C., and De Jong, K. A. (2001) An empirical analysis of collaboration methods in cooperative coevolutionary algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1235–1242, Morgan Kaufmann.
- [54] van Hemert, J. I. and Jansen, M. L. M. (2001) An engineering approach to evolutionary art. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 177, Morgan Kaufmann.
- [55] Kim, J. and Bentley, P. J. (2001) An evaluation of negative selection in an artificial immune system for network intrusion detection. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1330–1337, Morgan Kaufmann.
- [56] Congdon, C. B. (2001) An exploration in combatting premature convergence. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 755, Morgan Kaufmann.
- [57] Carvalho, D. R. and Freitas, A. A. (2001) An immunological algorithm for discovering small-disjunct rules in data mining. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 904, Morgan Kaufmann.
- [58] Wu, A. S., Jin, S., Schiavone, G., and Lin, K.-C. (2001) An incremental fitness function for partitioning parallel tasks. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 733–740, Morgan Kaufmann.
- [59] Barbosa, H. J. C. and Barreto, A. M. S. (2001) An interactive genetic algorithm with co-evolution of weights for multiobjective problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 203–210, Morgan Kaufmann.
- [60] El-Maleh, A. H., Sait, S. M., and Shazli, S. Z. (2001) An iterative heuristic for state justification in sequential automatic test pattern generation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1019–1025, Morgan Kaufmann.
- [61] Shibata, H. and Fujii, N. (2001) Analog circuit synthesis based on reuse of topological features of prototype circuits. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1205–1214, Morgan Kaufmann.
- [62] Butz, M. V. and Pelikan, M. (2001) Analyzing the evolutionary pressures in xcs. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 935–942, Morgan Kaufmann.
- [63] Aguilar, J. (2001) Ant colony optimization. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 801, Morgan Kaufmann.
- [64] Mehrotra, R., Karr, C. L., and Zeiler, T. A. (2001) Application of genetic algorithm to determining worst-case gust loads and the dynamic response of aircraft structures. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1451, Morgan Kaufmann.
- [65] Teich, T., Meier, H., and Schallner, H. (2001) Application service providing for shop floor scheduling in non-hierarchical regional production networks using genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1455, Morgan Kaufmann.

- [66] Doerner, K. F., Hartl, R. F., and Reimann, M. (2001) Are competants more competent for problem solving? - the case of a routing and scheduling problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 802, Morgan Kaufmann.
- [67] Spector, L. (2001) Autoconstructive evolution: Push, pushgp, and pushpop. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 137–146, Morgan Kaufmann.
- [68] Streeter, M. and Becker, L. A. (2001) Automated discovery of numerical approximation formulae via genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 147–154, Morgan Kaufmann.
- [69] Koza, J. R., Mydlowec, W., Lanza, G., Yu, J., and Keane, M. A. (2001) Automatic synthesis of both the topology and sizing of metabolic pathways using genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 57–65, Morgan Kaufmann.
- [70] Pelikan, M., Goldberg, D. E., and Sastry, K. (2001) Bayesian optimization algorithm, decision graphs, and occam’s razor. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 519–526, Morgan Kaufmann.
- [71] Nomura, T. (2001) Behavior analysis of real-valued evolutionary algorithms for independent loci in an infinite population. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 774, Morgan Kaufmann.
- [72] Knowles, J. D. and Corne, D. W. (2001) Benchmark problem generators and results for the multiobjective degree-constrained minimum spanning tree problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 424–431, Morgan Kaufmann.
- [73] Hornby, G. S. and Pollack, J. B. (2001) Body-brain co-evolution using l-systems as a generative encoding. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 868–875, Morgan Kaufmann.
- [74] Martin, P. (2001) Building a taxonomy of genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 182, Morgan Kaufmann.
- [75] Van Hoyweghen, C., Goldberg, D. E., and Naudts, B. (2001) Building block superiority, multimodality and synchronization problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 694–701, Morgan Kaufmann.
- [76] Menon, A. (2001) Building blocks: A combinatorial road to greed. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 477–484, Morgan Kaufmann.
- [77] Ortmann, M. and Weber, W. (2001) Calculating robot trajectories with parallel evolutionary strategies. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1453, Morgan Kaufmann.
- [78] Booker, L. B. (2001) Classifier systems, endogenous fitness, and delayed rewards: A preliminary investigation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 921–926, Morgan Kaufmann.

- [79] Watson, R. A. and Pollack, J. B. (2001) Coevolutionary dynamics in a minimal substrate. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 702–709, Morgan Kaufmann.
- [80] Burke, E. K., Cowling, P., Silva, J. D. L., and Petrovic, S. (2001) Combining hybrid metaheuristics and populations for the multiobjective optimisation of space allocation problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1252–1259, Morgan Kaufmann.
- [81] Paton, A. R. (2001) Computing with membranes: P systems with dna-worms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1016, Morgan Kaufmann.
- [82] Korkmaz, E. E. and Ucoluk, G. (2001) Controlling the genetic programming search. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 180, Morgan Kaufmann.
- [83] Arai, S. and Sycara, K. (2001) Credit assignment method for learning effective stochastic policies in uncertain domain. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 815–822, Morgan Kaufmann.
- [84] Bosman, P. A. N. and Thierens, D. (2001) Crossing the road to efficient ideas for permutation problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 219–226, Morgan Kaufmann.
- [85] Tomlinson, A. and Bull, L. (2001) Cxcs: Improvements and corporate generalization. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 966–973, Morgan Kaufmann.
- [86] Wright, A. H. and Agapie, A. (2001) Cyclic and chaotic behavior in genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 718–724, Morgan Kaufmann.
- [87] Portmann, M.-C. and Aloulou, M.-A. (2001) Data oriented genetic operators for one-machine scheduling problems’. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1184, Morgan Kaufmann.
- [88] Reed, P. M., Minsker, B. S., and Goldberg, D. E. (2001) Designing a new elitist nondominated sorted genetic algorithm for a multiobjective long term groundwater monitoring application. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1454, Morgan Kaufmann.
- [89] Chen, H.-M. and Ho, S.-Y. (2001) Designing an optimal evolutionary fuzzy decision tree for data mining. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 943–950, Morgan Kaufmann.
- [90] O’Neill, M., Brabazon, T., Ryan, C., and Collins, J. J. (2001) Developing a market timing system using grammatical evolution. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1375–1381, Morgan Kaufmann.
- [91] Mendes, R. R. F., de B. Voznika, F., Nievola, J. C., and Freitas, A. A. (2001) Discovering fuzzy classification rules with genetic programming and co-evolution. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 183, Morgan Kaufmann.

- [92] Garzon, M. H. and Oehmen, C. (2001) Distributed virtual test tubes. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 997–1004, Morgan Kaufmann.
- [93] Deaton, R. (2001) Dna and quantum computers. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 989–996, Morgan Kaufmann.
- [94] Sastry, K., Goldberg, D. E., and Pelikan, M. (2001) Don’t evaluate, inherit. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 551–558, Morgan Kaufmann.
- [95] Jin, Y., Olhofer, M., and Sendhoff, B. (2001) Dynamic weighted aggregation for evolutionary multi-objective optimization: Why does it work and how? Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1042–1049, Morgan Kaufmann.
- [96] van den Bergh, F. and Engelbrecht, A. P. (2001) Effects of swarm size on cooperative particle swarm optimisers. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 892–899, Morgan Kaufmann.
- [97] Albert, L. A. and Goldberg, D. E. (2001) Efficient evaluation relaxation under integrated fitness functions. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 751, Morgan Kaufmann.
- [98] Branke, J., Schmidt, C., and Schmeck, H. (2001) Efficient fitness estimation in noisy environments. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 243–250, Morgan Kaufmann.
- [99] Krasnogor, N. and Smith, J. (2001) Emergence of profitable search strategies based on a simple inheritance mechanism. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 432–439, Morgan Kaufmann.
- [100] Nawa, N. E., Shimohara, K., and Katai, O. (2001) Equilibrium selection in a sequential multi-issue bargaining model using evolutionary algorithms: A preliminary study. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 906, Morgan Kaufmann.
- [101] Pelikan, M. and Goldberg, D. E. (2001) Escaping hierarchical traps with competent genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 511–518, Morgan Kaufmann.
- [102] Duan, M. and Povinelli, R. J. (2001) Estimating stock price predictability using genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 174, Morgan Kaufmann.
- [103] Huber, R. (2001) Estimation of mixture parameters by a hybrid ga/em method: Application to radar remote sensing data. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1449, Morgan Kaufmann.
- [104] Uchibe, E., Yanase, M., and Asada, M. (2001) Evolution for behavior selection accelerated by activation/termination constraints. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1122–1129, Morgan Kaufmann.

- [105] Gallagher, J. C. (2001) Evolution of dynamical neural network arrays to correct arrhythmias in a simulated human heart. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1189–1196, Morgan Kaufmann.
- [106] Keller, R. E. and Banzhaf, W. (2001) Evolution of genetic code on a hard problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 50–56, Morgan Kaufmann.
- [107] Miller, J. (2001) Evolution of program size in cartesian genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 184, Morgan Kaufmann.
- [108] Abou-Assaleh, T., Zhang, J., and Cercone, N. (2001) Evolution of recurrent neural networks to control autonomous life agents. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 903, Morgan Kaufmann.
- [109] Eriksson, A. and Lindgren, K. (2001) Evolution of strategies in repeated stochastic games with full information of the payoff matrix. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 853–859, Morgan Kaufmann.
- [110] Sbalzarini, I. F., Muller, S. D., Koumoutsakos, P. D., and Cottet, G.-H. (2001) Evolution strategies for computational and experimental fluid dynamic applications. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1064–1071, Morgan Kaufmann.
- [111] Huhse, J. and Zell, A. (2001) Evolution strategy with neighborhood attraction - a robust evolution strategy. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1026–1033, Morgan Kaufmann.
- [112] Krink, T., Ursem, R. K., and Filipic, B. (2001) Evolutionary algorithms in control optimization: The greenhouse problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 440–447, Morgan Kaufmann.
- [113] Dozier, G. (2001) Evolutionary hill-climbing, virtual constraints, and recurrent dynamic cps. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 758, Morgan Kaufmann.
- [114] Keymeulen, D., Stoica, A., Buehler, M., Zebulum, R., and Duong, V. (2001) Evolutionary mechanisms for smart on-board adaptive sensing applied to the meca electrometer. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1197–1204, Morgan Kaufmann.
- [115] Pedrycz, W. and Reformat, M. (2001) Evolutionary optimization of logic-oriented systems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1389–1396, Morgan Kaufmann.
- [116] Weinert, K., Surmann, T., and Mehnen, J. (2001) Evolutionary surface reconstruction using csg-nurbs-hybrids. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1456, Morgan Kaufmann.
- [117] French, R. L. B. and Damper, R. I. (2001) Evolving a nervous system of spiking neurons for a behaving robot. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1099–1106, Morgan Kaufmann.

- [118] Soh, L.-K., Tsatsoulis, C., Jones, M. E., and Agah, A. (2001) Evolving cases for case-based reasoning multiagent negotiations. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 909, Morgan Kaufmann.
- [119] Dasgupta, D. and Gonzalez, F. A. (2001) Evolving complex fuzzy classifier rules using a linear tree genetic representation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 299–305, Morgan Kaufmann.
- [120] Coelho, A. L. V., Weingaertner, D., and Von Zuben, F. J. (2001) Evolving heterogeneous neural networks for classification problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 266–273, Morgan Kaufmann.
- [121] Bassett, J. K., Wiegand, R. P., and De Jong, K. A. (2001) Evolving multi-agent behaviors using a tunable problem landscape. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1133, Morgan Kaufmann.
- [122] Bruce, J. and Miikkulainen, R. (2001) Evolving populations of expert neural networks. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 251–257, Morgan Kaufmann.
- [123] Frey, C. and Leugering, G. (2001) Evolving strategies for global optimization - a finite state machine approach. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 27–33, Morgan Kaufmann.
- [124] Fuhner, T. and Jacob, C. (2001) Evolvision - an evolvisca visualization tool. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 176, Morgan Kaufmann.
- [125] Poli, R. and McPhee, N. F. (2001) Exact schema theory for gp and variable-length gas with homologous crossover. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 104–111, Morgan Kaufmann.
- [126] Tan, K. C., Khor, E. F., Heng, C. M., and Lee, T. H. (2001) Exploratory multi-objective evolutionary algorithm: Performance study and comparisons. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 647–654, Morgan Kaufmann.
- [127] Goldberg, M. C. and Gouvea, E. F. (2001) Extra-intracellular transgenetic algorithm. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 762, Morgan Kaufmann.
- [128] Topchy, A. and Punch, W. F. (2001) Faster genetic programming based on local gradient search of numeric leaf values. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 155–162, Morgan Kaufmann.
- [129] Imamura, K. and Foster, J. A. (2001) Fault-tolerant computing with n-version genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 178, Morgan Kaufmann.
- [130] Hernandez, J. C., Ribagorda, A., Isasi, P., and Sierra, J. M. (2001) Finding near optimal parameters for linear congruential pseudorandom number generators by means of evolutionary computation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1292–1298, Morgan Kaufmann.

- [131] Dastani, M., Marchiori, E., and Voorn, R. (2001) Finding perceived pattern structures using genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 3–10, Morgan Kaufmann.
- [132] Jensen, M. T. (2001) Finding worst-case flexible schedules using coevolution. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1144–1151, Morgan Kaufmann.
- [133] Seo, K., Goodman, E. D., and Rosenberg, R. C. (2001) First steps toward automated design of mechatronic systems using bond graphs and genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 189, Morgan Kaufmann.
- [134] Vanyi, R. (2001) Fitness functions for generated binary images. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 786, Morgan Kaufmann.
- [135] Enochs, B. P. and Wainwright, R. L. (2001) Forging optimal solutions to the edge-coloring problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 313–319, Morgan Kaufmann.
- [136] Wilson, S. W. (2001) Function approximation with a classifier system. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 974–981, Morgan Kaufmann.
- [137] Soule, T. and Heckendorn, R. B. (2001) Function sets in genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 190, Morgan Kaufmann.
- [138] Handa, H., Horiuchi, T., Katai, O., Kaneko, T., Konishi, T., and Baba, M. (2001) Fusion of coevolutionary ga and machine learning techniques through effective schema extraction. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 764, Morgan Kaufmann.
- [139] Aguilar, J. and Cerrada, M. (2001) Fuzzy classifier system and genetic programming on system identification problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1245–1251, Morgan Kaufmann.
- [140] Sait, S. M., Youssef, H., and Khan, J. A. (2001) Fuzzy evolutionary algorithm for vlsi placement. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1056–1063, Morgan Kaufmann.
- [141] Qi, D. and Sun, R. (2001) Ga-based multi-agent reinforcement learning for playing backgammon. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 777, Morgan Kaufmann.
- [142] Pindor, A. J. (2001) Ga313 genetic algorithm for systems with 2d genotype. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 776, Morgan Kaufmann.
- [143] van Bragt, D. D. B. and La Poutre, J. A. (2001) Generating efficient automata for negotiations - an exploration with evolutionary algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1093, Morgan Kaufmann.
- [144] Johnson, E. L. (2001) Genetic algorithms as algorithm adversaries. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1314–1321, Morgan Kaufmann.

- [145] Tyni, T. and Ylinen, J. (2001) Genetic algorithms in elevator car routing problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1413–1422, Morgan Kaufmann.
- [146] Wright, J. A. and Farmani, R. (2001) Genetic algorithms: A fitness formulation for constrained minimization. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 725–732, Morgan Kaufmann.
- [147] Schloman, J. and Blackford, B. (2001) Genetic programming evolves a human-competitive player for a complex, on-line, interactive, multi-player game of strategy. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 188, Morgan Kaufmann.
- [148] Langdon, W. B. and Buxton, B. F. (2001) Genetic programming for combining classifiers. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 66–73, Morgan Kaufmann.
- [149] Howard, D. and Roberts, S. C. (2001) Genetic programming solution of the convection-diffusion equation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 34–41, Morgan Kaufmann.
- [150] Nikolaev, N. and Iba, H. (2001) Genetic programming using chebishev polynomials. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 89–96, Morgan Kaufmann.
- [151] Mao, J., Hirasawa, K., Hu, J., and Murata, J. (2001) Genetic symbiosis algorithm for multiobjective optimization problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 771, Morgan Kaufmann.
- [152] Jin, H.-D., Leung, K.-S., and Wong, M.-L. (2001) Genetic-guided model-based clustering analysis. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 770, Morgan Kaufmann.
- [153] Vanyi, R. and Kokai, G. (2001) Giving structural descriptions of tree-like objects from binary images using genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 163–172, Morgan Kaufmann.
- [154] Hartke, B. (2001) Global geometry optimization of atomic and molecular clusters by genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1284–1291, Morgan Kaufmann.
- [155] O’Neill, M., Ryan, C., and Nicolau, M. (2001) Grammar defined introns: An investigation into grammars, introns, and bias in grammatical evolution. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 97–103, Morgan Kaufmann.
- [156] Globus, A., Lawton, J., and Wipke, T. (2001) Graph crossover. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 761, Morgan Kaufmann.
- [157] Liu, Y. (2001) How to evolve a cooperative population by minimizing mutual information. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1095, Morgan Kaufmann.

- [158] Butz, M. V., Kovacs, T., Lanzi, P. L., and Wilson, S. W. (2001) How xcs evolves accurate classifiers. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 927–934, Morgan Kaufmann.
- [159] Lovbjerg, M., Rasmussen, T. K., and Krink, T. (2001) Hybrid particle swarm optimiser with breeding and subpopulations. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 469–476, Morgan Kaufmann.
- [160] Matsui, S. and ichi Tokoro, K. (2001) Improving the performance of a genetic algorithm for minimum span frequency assignment problem with an adaptive mutation rate and a new initialization method. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1359–1366, Morgan Kaufmann.
- [161] Monsieurs, P. and Flerackers, E. (2001) Increasing the diversity of a population in genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 185, Morgan Kaufmann.
- [162] Aguirre, H. E., Tanaka, K., and Oshita, S. (2001) Increasing the robustness of distributed genetic algorithms by parallel cooperative-competitive genetic operators. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 195–202, Morgan Kaufmann.
- [163] Huang, C.-F. (2001) Independent sampling genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 367–374, Morgan Kaufmann.
- [164] Tiwari, A., Roy, R., Jared, G., and Munaux, O. (2001) Interaction and multi-objective optimisation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 671–678, Morgan Kaufmann.
- [165] Berlanga, A., Isasi, P., and Segovia, J. (2001) Interactive evolutionary computation with small population to generate gestures in avatars. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 823–828, Morgan Kaufmann.
- [166] Divina, F. and Marchiori, E. (2001) Knowledge based evolutionary programming for inductive learning in first-order logic. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 173, Morgan Kaufmann.
- [167] Llorca, X. and Garrell, J. M. (2001) Knowledge-independent data mining with fine-grained parallel evolutionary algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 461–468, Morgan Kaufmann.
- [168] Boussonville, T. (2001) Local search and evolutionary computation for arc routing in garbage collection. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1137–1143, Morgan Kaufmann.
- [169] Poland, J. and Zell, A. (2001) Main vector adaptation: A cma variant with linear time and space complexity. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1050–1055, Morgan Kaufmann.

- [170] Poli, R., Rowe, J. E., and McPhee, N. F. (2001) Markov chain models for gp and variable-length gas with homologous crossover. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 112–119, Morgan Kaufmann.
- [171] Belaidouni, M. and Hao, J.-K. (2001) Max-csp and fitness landscapes. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 752, Morgan Kaufmann.
- [172] Lanzi, P. L. (2001) Mining interesting knowledge from data with the xcs classifier system. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 958–965, Morgan Kaufmann.
- [173] Huber, R. and Schell, T. (2001) Mixed size tournament selection. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 767, Morgan Kaufmann.
- [174] Kosorukoff, A., Mittenthal, J., and Goldberg, D. (2001) Modeling of evolution of signaling networks in living cells by evolutionary computation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 905, Morgan Kaufmann.
- [175] Sastry, K. and Goldberg, D. E. (2001) Modeling tournament selection with replacement using apparent added noise. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 781, Morgan Kaufmann.
- [176] Smith, J. (2001) Modelling gas with self adaptive mutation rates. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 599–606, Morgan Kaufmann.
- [177] Downing, K. L. (2001) Modular designer chemistries for artificial life. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 845–852, Morgan Kaufmann.
- [178] Naudts, B., Schoofs, L., and Verschoren, A. (2001) Moments of schema fitness distributions for multary alphabets. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 773, Morgan Kaufmann.
- [179] Goto, R. and Sato, Y. (2001) Motion analysis of moving objects with genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1276–1283, Morgan Kaufmann.
- [180] Chen, J.-H. and Ho, S.-Y. (2001) Multi-objective evolutionary optimization of flexible manufacturing systems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1260–1267, Morgan Kaufmann.
- [181] Farhang-Mehr, A. and Azarm, S. (2001) Multi-objective genetic algorithms with concepts from statistical thermodynamics. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1075, Morgan Kaufmann.
- [182] Thierens, D. and Bosman, P. A. N. (2001) Multi-objective mixture-based iterated density estimation evolutionary algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 663–670, Morgan Kaufmann.
- [183] Lorenc, B. (2001) Multidimensional scaling using evolutionary computation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1450, Morgan Kaufmann.

- [184] Moore, J. H. and Hahn, L. W. (2001) Multilocus pattern recognition using cellular automata and parallel genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1452, Morgan Kaufmann.
- [185] Coello, C. A. and Pulido, G. T. (2001) Multiobjective optimization using a micro-genetic algorithm. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 274–282, Morgan Kaufmann.
- [186] Vrajitoru, D. (2001) Nested genetic algorithms with problem division. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 787, Morgan Kaufmann.
- [187] Katagiri, H., Hirasawa, K., Hu, J., and Murata, J. (2001) Network structure oriented evolutionary model – genetic network programming–and its comparison with. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 179, Morgan Kaufmann.
- [188] Ryan, C., O'Neill, M., and Azad, A. (2001) No coercion and no prohibition - a position independent encoding scheme for evolutionary algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 187, Morgan Kaufmann.
- [189] Greene, W. A. (2001) Non-linear bit arrangements in genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 763, Morgan Kaufmann.
- [190] Tan, K. C., Lee, T. H., Khor, E. F., Heng, C. M., and Khoo, D. (2001) Nonlinear constraint handling technique via angular transformation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 655–662, Morgan Kaufmann.
- [191] Heckendorn, R. B. (2001) Of heisenberg and epistasis. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 765, Morgan Kaufmann.
- [192] Wu, J. and Azarm, S. (2001) On a new constraint handling technique for multi-objective genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 741–748, Morgan Kaufmann.
- [193] Simoes, A. and Costa, E. (2001) On biologically inspired genetic operators: Transformation in the standard genetic algorithm. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 584–591, Morgan Kaufmann.
- [194] Jain, B. J., Pohlheim, H., and Wegener, J. (2001) On termination criteria of evolutionary algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 768, Morgan Kaufmann.
- [195] Schmitt, F. and Rothlauf, F. (2001) On the importance of the second largest eigenvalue on the convergence rate of genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 559–564, Morgan Kaufmann.
- [196] Denzinger, J. and Kordt, M. (2001) On the influence of learning time on evolutionary online learning of cooperative behavior. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 837–844, Morgan Kaufmann.

- [197] Goldberg, D. E., Sastry, K., and Latoza, T. (2001) On the supply of building blocks. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 336–342, Morgan Kaufmann.
- [198] Jansen, T. and Wegener, I. (2001) On the utility of populations in evolutionary algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1034–1041, Morgan Kaufmann.
- [199] Igel, C. and Kreutz, M. (2001) Operator adaptation in structure optimization of neural networks. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1094, Morgan Kaufmann.
- [200] Gargano, M. L. and Edelson, W. (2001) Optimal sequenced matroid bases solved by ga’s with feasible search space including applications. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1447, Morgan Kaufmann.
- [201] Li, Y., Xin, X., Kikuchi, N., and Saitou, K. (2001) Optimal shape and location of piezoelectric materials for topology optimization of flextensional actuators. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1085–1090, Morgan Kaufmann.
- [202] Anbarasu, L. A., Sundararajan, V., and Narayanasamy, P. (2001) Parallel genetic algorithm for performance-driven sequence alignment. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1015, Morgan Kaufmann.
- [203] Noble, J. and Watson, R. A. (2001) Pareto coevolution: Using performance against coevolved opponents in a game as dimensions for pareto selection. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 493–500, Morgan Kaufmann.
- [204] Kwon, Y.-K. and Moon, B.-R. (2001) Personalized email marketing with a genetic programming circuit model. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1352–1358, Morgan Kaufmann.
- [205] Corne, D. W., Jerram, N. R., Knowles, J. D., and Oates, M. J. (2001) Pesa-ii: Region-based selection in evolutionary multiobjective optimization. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 283–290, Morgan Kaufmann.
- [206] Belding, T. C. (2001) Potholes on the royal road. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 211–218, Morgan Kaufmann.
- [207] Schmiedle, F., Drechsler, N., Grosse, D., and Drechsler, R. (2001) Priorities in multi-objective optimization for genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 129–136, Morgan Kaufmann.
- [208] Wiles, J., Schulz, R., Hallinan, J., Bolland, S., and Tonkes, B. (2001) Probing the persistent question marks. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 710–717, Morgan Kaufmann.
- [209] Sato, Y. (2001) Proposal for a register transfer level evolution on a microprocessor incorporated flash memory. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1216, Morgan Kaufmann.

- [210] Fujimoto, Y. and Shimohara, K. (2001) Proposal of eco-evolution. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 760, Morgan Kaufmann.
- [211] Michaud, S. R., Zydallis, J. B., Lamont, G. B., Harmer, P. K., and Pachter, R. (2001) Protein structure prediction with ea immunological computation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1367–1374, Morgan Kaufmann.
- [212] Gottlieb, J., Julstrom, B. A., Raidl, G. R., , and Rothlauf, F. (2001) Prufer numbers: A poor representation of spanning trees for evolutionary search. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 343–350, Morgan Kaufmann.
- [213] Rylander, B., Soule, T., Foster, J., and Alves-Foss, J. (2001) Quantum evolutionary programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1005–1011, Morgan Kaufmann.
- [214] Jansen, T. and Wegener, I. (2001) Real royal road functions - where crossover provably is essential. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 375–382, Morgan Kaufmann.
- [215] Weinert, K. and Stautner, M. (2001) Reconstruction of particle flow mechanisms with symbolic regression via genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1439–1443, Morgan Kaufmann.
- [216] de Jong, E. D., Watson, R. A., and Pollack, J. B. (2001) Reducing bloat and promoting diversity using multi-objective methods. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 11–18, Morgan Kaufmann.
- [217] Branke, J. (2001) Reducing the sampling variance when searching for robust solutions. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 235–242, Morgan Kaufmann.
- [218] Neri, F. (2001) Relating two cooperative learning strategies to the features of the found concept description. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 986, Morgan Kaufmann.
- [219] Gen, M. and Lee, C. (2001) Reliability optimization design using hybrid nn-ga with fuzzy logic controller. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1448, Morgan Kaufmann.
- [220] Bongard, J. C. and Pfeifer, R. (2001) Repeated structure and dissociation of genotypic and phenotypic complexity in artificial ontogeny. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 829–836, Morgan Kaufmann.
- [221] Suzuki, H. and Sawai, H. (2001) Schema evolution equation using quasi-schema representation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 784, Morgan Kaufmann.
- [222] Vitrano, J. B. and Povinelli, R. J. (2001) Selecting dimensions and delay values for a time-delay embedding using a genetic algorithm. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1423–1430, Morgan Kaufmann.

- [223] Hart, W. E. (2001) Self-adaptive evolutionary pattern search algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1076, Morgan Kaufmann.
- [224] Tsutsui, S., Goldberg, D. E., and Sastry, K. (2001) Simplex crossover and linkage learning in real-coded gas. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 785, Morgan Kaufmann.
- [225] Cantu-Paz, E. (2001) Single vs. multiple runs under constant computation cost. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 754, Morgan Kaufmann.
- [226] Kordon, A. K. and Smits, G. F. (2001) Soft sensor development using genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1346–1351, Morgan Kaufmann.
- [227] Jimenez, J. A., Abderraman, J. C., Cuesta, P. D., , and Winter, G. (2001) Solving elliptical partial differential equations in a natural way. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1307–1313, Morgan Kaufmann.
- [228] Horng, J.-T., Jin, M.-H., and Kao, C.-Y. (2001) Solving fixed channel assignment problems by an evolutionary approach. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 351–358, Morgan Kaufmann.
- [229] Stephens, C. R. (2001) Some exact results from a coarse grained formulation of genetic dynamics. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 631–638, Morgan Kaufmann.
- [230] Patrignani, M. (2001) Stability of arbitrary genes: a new approach to cooperation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 907, Morgan Kaufmann.
- [231] Craenen, B. G. W. and Eiben, A. E. (2001) Stepwise adaption of weights with refinement and decay on constraint satisfaction problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 291–298, Morgan Kaufmann.
- [232] Fu, C., Wilson, S. W., and Davis, L. (2001) Studies of the xcsi classifier system on a data mining problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 985, Morgan Kaufmann.
- [233] Furutani, H. (2001) Study of crossover in one max problem by linkage analysis. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 320–327, Morgan Kaufmann.
- [234] Roberts, S. C., Howard, D., and Koza, J. R. (2001) Subtree encapsulation versus adfs in gp for parity problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 186, Morgan Kaufmann.
- [235] Parthasarathy, P. V., Goldberg, D. E., and Burns, S. A. (2001) Tackling multimodal problems in hybrid genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 775, Morgan Kaufmann.

- [236] Yeh, C.-H. and Chen, S.-H. (2001) The differences between social and individual learning on the time series properties: The approach based on genetic programming. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 191, Morgan Kaufmann.
- [237] Rowe, J. E. and McPhee, N. F. (2001) The effects of crossover and mutation operators on variable length linear structures. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 535–542, Morgan Kaufmann.
- [238] Ross, B. J. (2001) The evaluation of a stochastic regular motif language for protein sequences. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 120–128, Morgan Kaufmann.
- [239] Parker, G. B. (2001) The incremental evolution of gaits for hexapod robots. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1114–1121, Morgan Kaufmann.
- [240] Balling, R. and Wilson, S. (2001) The maximin fitness function for multi-objective evolutionary computation: Application to city planning. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1079–1084, Morgan Kaufmann.
- [241] Santana, R., Ochoa-Rodriguez, A., and Soto, M. R. (2001) The mixture of trees factorized distribution algorithm. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 543–550, Morgan Kaufmann.
- [242] Schumacher, C., Vose, M. D., and Whitley, L. D. (2001) The no free lunch and problem description length. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 565–570, Morgan Kaufmann.
- [243] Roos, R. S. (2001) The patchy ga and domination problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 779, Morgan Kaufmann.
- [244] Gao, Y. and Culberson, J. (2001) The phase transition in nk landscapes is easy. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1227–1234, Morgan Kaufmann.
- [245] Riopka, T. P. and Bock, P. (2001) The relevance of genotypic learning in the clga. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 778, Morgan Kaufmann.
- [246] Hsu, W. W. and Hsu, C.-C. (2001) The spontaneous evolution genetic algorithm for solving the traveling salesman problem. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 359–366, Morgan Kaufmann.
- [247] Murata, T., Kawakami, S., Nozawa, H., Gen, M., and Ishibuchi, H. (2001) Three-objective genetic algorithms for designing compact fuzzy rule-based systems for pattern classification problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 485–492, Morgan Kaufmann.
- [248] Someya, H. and Yamamura, M. (2001) Toroidal search space conversion for robust real-coded genetic algorithms. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 782, Morgan Kaufmann.

- [249] Ekman, M., Magnusson, A., and Nordin, P. (2001) Two approaches for high-level evolvable hardware using function blocks. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 1215, Morgan Kaufmann.
- [250] Pereira, F. B. and Costa, E. (2001) Understanding the role of learning in the evolution of busy beavers: a comparison between the baldwin effect and a lamarckian strategy. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 884–891, Morgan Kaufmann.
- [251] Rychtycky, N. and Reynolds, R. G. (2001) Using cultural algorithms to improve knowledge base maintainability. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1405–1412, Morgan Kaufmann.
- [252] Liu, X., Swift, S., and Tucker, A. (2001) Using evolutionary algorithms to tackle large scale grouping problems. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 454–460, Morgan Kaufmann.
- [253] Tamaddoni-Nezhad, A. and Muggleton, S. (2001) Using genetic algorithms for learning clauses in first-order logic. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 639–646, Morgan Kaufmann.
- [254] Soule, T. (2001) Using genetic algorithms to evolve cooperative teams. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 783, Morgan Kaufmann.
- [255] Oliveira, G. M. B., de Oliveira, P. P. B., and Omar, N. (2001) Using heuristics related to cellular automata behavior forecast to improve genetic search for a grouping task. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, p. 181, Morgan Kaufmann.
- [256] Sinha, A. and Goldberg, D. E. (2001) Verification and extension of the theory of global-local hybrids. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 592–598, Morgan Kaufmann.
- [257] Srivastava, R. P. and Goldberg, D. E. (2001) Verification of the theory of genetic algorithm continuation. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 623–630, Morgan Kaufmann.
- [258] Martin, M. C. (2001) Visual obstacle avoidance using genetic programming: First results. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1107–1113, Morgan Kaufmann.
- [259] Christensen, S. and Oppacher, F. (2001) What can we learn from no free lunch? a first attempt to characterize the concept of a searchable function. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 1219–1226, Morgan Kaufmann.
- [260] Luke, S. (2001) When short runs beat long runs. Spector, L., et al. (eds.), *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, San Francisco, California, USA, 7-11 July, pp. 74–80, Morgan Kaufmann.