Список литературы

- [1] Whitley, D. et al., editors, *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [2] Wineberg, M. and Oppacher, F., Enhancing the ga's ability to cope with dynamic environments, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 3–10, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [3] Chiu, P. et al., A genetic segmentation algorithm for image data streams and video, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2000), edited by Whitley, D. et al., pages 666–673, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [4] Kirley, M. and Green, D. G., An empirical investigation of optimisation in dynamic environments using the cellular genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 11–18, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [5] Ursem, R. K., Multinational gas: Multimodal optimization techniques in dynamic environments, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 19–26, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [6] Goh, G. K.-M. and Foster, J. A., Evolving molecules for drug design using genetic algorithms via molecular trees, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 27–33, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [7] Ray, T., Kang, T., and Chye, S. K., An evolutionary algorithm for constrained optimization, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 771–777, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [8] Soule, T., Heterogeneity and specialization in evolving teams, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 778–785, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [9] Jin, Y., Olhofer, M., and Sendhoff, B., On evolutionary optimization with approximate fitness functions, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 786–793, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [10] Chaudhri, O. A. et al., Characterizing a tunably difficult problem in genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 395–402, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [11] Bot, M. C., Improving induction of linear classification trees with genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 403–410, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [12] Keijzer, M. and Babovic, V., Genetic programming within a framework of computer-aided discovery of scientific knowledge, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 543–550, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [13] Gilbert, R. J., Rowland, J. J., and Kell, D. B., Genomic computing: explanatory modelling for functional genomics, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 551–557, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [14] Wang, F.-S., Hybrid differential evolution for dynamic optimization of a fedbatch bioreactor process, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 558–565, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [15] Mundhe, M. and Sen, S., Evolving agent societies that avoid social dilemmas, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 809–816, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [16] Ishibuchi, H., Nakari, T., and Nakashima, T., Evolution of strategies in spatial ipd games with structure demes, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 817–824, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [17] Barone, L. and While, L., Adaptive learning for poker, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 566–573, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [18] Punch, W. F. and Rand, W. M., Gp+echo+subsumption = improved problem solving, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 411–418, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [19] Iba, H. and Terao, M., Controlling effective introns for multi-agent learning by genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 419–426, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [20] De Falco, I., Iazzetta, A., Tarantino, E., Cioppa, A. D., and Trautteur, G., A kolmogorov complexity-based genetic programming tool for string compression, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 427–434, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [21] Butz, M. V., Goldberg, D. E., and Stolzmann, W., Introducing a genetic generalization pressure to the anticipatory classifier system part 1: Theoretical approach, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 34–41, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [22] Butz, M. V., Goldberg, D. E., and Stolzmann, W., Introducing a genetic generalization pressure to the anticipatory classifier system part 2: Performance analysis, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 42–49, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [23] Barry, A., Specifying action persistence within xcs, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 50–57, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [24] Knowles, J. and Corne, D., Heuristics for evolutionary off-line routing in telecommunications networks, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 574–581, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [25] Kwong, S. and Chan, S. S., A fault-tolerant multicast routing algorithm in atm networks, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 582–589, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [26] Dozier, G., Distributed steady-state neuro-evolutionary path planning in non-stationary environments, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 58–65, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [27] Carse, B. and Oreland, J., A note on learning and evolution in neural networks, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2000), edited by Whitley, D. et al., pages 66–73, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [28] Yang, J.-M. and Kao, C.-Y., An evolutionary algorithm to training neural networks for a two-spiral problem, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 1025–1032, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [29] Pozzi, S. and Segovia, J., Evaluations of genetic programming and neural networks techniques for nuclear material identification, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 590–596, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [30] Vazquez, M. and Whitley, L. D., A comparison of genetic algorithms for the dynamic job shop scheduling problem, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 1011–1018, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [31] Ochoa, G., Harey, I., and Buxton, H., Optimal mutation rates and selection pressure in genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 315–322, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [32] Hart, E. and Ross, P., Enhancing the performance of a ga through visualisation, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2000), edited by Whitley, D. et al., pages 347–354, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [33] McKay, R. I. B., Fitness sharing in genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 435–442, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [34] Gan, J. and Warwick, K., A variable radius niching technique for speciation in genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 96–103, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [35] Riopka, T. P. and Bock, P., Intelligent recombination using individual learning in a collective learning genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 104–111, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [36] Sawai, H. and Adachi, S., A comparative study of gene-duplicated gas based on pfga and ssga, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 74–81, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [37] Margetts, S. and Jones, A. J., Phlegmatic mappings for function optimisation with genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 82–89, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [38] Seront, G. and Bersini, H., A new ga-local search hybrid for optimization based on multi level single linkage clustering, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 90–95, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [39] Baglioni, S., Sorbello, D., da Costa Pereira, C., and Tettamanzi, A. G. B., Evolutionary multiperiod asset allocation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 597–604, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [40] Bagnall, A. J., A multi-adaptive agent model of generator bidding in the uk market in electricity, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 605–612, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [41] Matthews, K. B., Craw, S., Elder, S., Sibbald, A. R., and MacKenzie, I., Applying genetic algorithms to multi-objective land use planning, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 613–620, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [42] Sakuma, J. and Kobayashi, S., Extrapolation-directed crossover for job-shop scheduling problems: Complementary combination with jox, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 973–980, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [43] Van Bael, P., Devogelaere, D., and Rijckaert, M., A steady-state evolutionary algorithm for the job shop problem, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 981–986, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [44] Krasnogor, N. and Smith, J., A memetic algorithm with self-adaptive local search: Tsp as a case study, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 987–994, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [45] Rudolph, G., Takeover times and probabilities of non-generational selection rules, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2000), edited by Whitley, D. et al., pages 903–910, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [46] Wakunda, J. and Zell, A., A new selection scheme for steady-state evolution strategies, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 794–801, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [47] Cantu-Paz, E., Selection intensity in genetic algorithms with generation gaps, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 911–918, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [48] Costa, L. A., Oliveira, P., Figueiredo, I. N., Roseiro, L. F., and Leal, R. P., Structural optimization of laminated plates with genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 621–627, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [49] Rasheed, K. and Hirsh, H., Informed operators: Speeding up genetic-algorithm-based design optimization using reduced models, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 628–635, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [50] Murakawa, M., Itatani, T., Kasai, Y., Kikkawa, H., and Higuchi, T., An evolvable laser system for femtosecond pulse generation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 636–642, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [51] Ross, B. J., The effects of randomly sampled training data on program evolution, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2000), edited by Whitley, D. et al., pages 443–450, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [52] Langdon, W. B., Quadratic bloat in genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 451–458, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [53] Kirshenbaum, E., Genetic programming with statically scoped local variables, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 459–468, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [54] Testa, L. J., Esterline, A. C., Dozier, G. V., and Homaifar, A., A comparison of operators for solving time dependent traveling salesman problems using gas, in *Proceedings of the Genetic* and Evolutionary Computation Conference (GECCO-2000), edited by Whitley, D. et al., pages 995–1002, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [55] Jung, S. and Moon, B.-R., The natural crossover for the 2d euclidean tsp, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 1003–1010, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [56] Bonachea, D., Ingerman, E., Levy, J., and McPeak, S., An improved adaptive multi-start approach to finding near-optimal solutions to the euclidean tsp, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 143–150, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [57] Watson, R. A. and Pollack, J. B., Recombination without respect: Schema combination and disruption in genetic algorithm crossover, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 112–119, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [58] Bhattacharyya, S. and Troutt, M. D., Crossover in probability spaces, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 120–127, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [59] Bersini, H., Chemical crossover, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 825–832, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [60] Eiben, A. E., Jansen, B., Michalewicz, Z., and Paechter, B., Solving csps with using self-adaptive constraint weights: how to prevent eas from cheating, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 128–134, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [61] Katayama, K., Tani, M., and Narihisa, H., Solving large binary quadratic programming problems by effective genetic local search algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 643–650, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [62] Liese, A., Polani, D., and Uthmann, T., On the development of spectral properties of visual agent receptors through evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 857–864, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [63] Heckendorn, R. B., Polynomial time summary statistics for two general classes of functions, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 919–926, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [64] Ficici, S. G. and Pollack, J. B., Effects of finite populations on evolutionary stable strategies, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 927–934, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [65] Lobo, F. G., Goldberg, D. E., and Pelikan, M., Time complexity of genetic algorithms on exponentially scaled problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 151–158, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [66] Roberts, S. C. and Howard, D., Genetic programming for image analysis: Orientation detection, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 651–657, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [67] Ross, B. J., Fueten, F., and Yashkir, D. Y., Edge detection of petrographic images using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 658–665, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [68] Kang, S.-J. and Moon, B.-R., A hybrid genetic algorithm for multiway graph partitioning, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 159–166, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [69] Kim, Y.-H. and Moon, B.-R., A hybrid genetic search for graph partitioning based on lock gain, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 167–174, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [70] Soper, A. J., Walshaw, C., and Cross, M., A combined evolutionary search and multilevel approach to graph partitioning, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 674–681, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [71] Arita, M., and Masami Hagiya, A. N., Komiya, K., Gouzu, H., and Sakamoto, K., Improving sequence design for dna computing, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 875–882, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [72] Horng, J.-T., Lin, C.-M., Liu, B.-J., and Kao, C.-Y., Using genetic algorithms to solve multiple sequence alignments, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 883–890, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [73] Suzuki, Y. and Tanaka, H., A new molecular computing model, artificial cell systems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 833–840, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [74] Gunther, W. and Drechsler, R., Improving eas for sequencing problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 175–180, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [75] Knjazew, D. and Golberg, D. E., Omega ordering messy ga: Solving permutation problems with the fast messy genetic algorithm and random keys, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 181–188, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [76] Matsui, S. and ichi Tokoro, K., A new genetic algorithm for minimum span frequency assignment using permutation and clique, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 682–689, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [77] Poli, R., Exact schema theorem and effective fitness for gp with one-point crossover, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 469–476, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [78] Koza, J. R., Keane, M. A., Yu, J., and Mydlowec, W., Automatic synthesis of electrical circuits containing a free variable using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 477–484, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [79] Greene, W. A., A non-linear schema theorem for genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 189–194, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [80] Christou, I. T. and Zakarian, A., Domain knowledge and representation in genetic algorithms for real world scheduling problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 690–696, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [81] Kaeschel, J., Meier, B., Fischer, M., and Teich, T., Evolutionary real-world shop floor scheduling using parallelization and parameter coevolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 697–701, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [82] Szmit, R. and Barak, A., Evolution strategies for a parallel multi-objective genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 227–234, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [83] Boden, M., Jacobsson, H., and Ziemke, T., Evolving context-free language predictors, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 1033–1040, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [84] Ishibuchi, H. and Nakashima, T., Linguistic rule extraction by genetics-based machine learning, in Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000), edited by Whitley, D. et al., pages 195–202, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [85] O'Neill, M. and Ryan, C., Grammar based function definition in grammatical evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 485–490, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [86] Polani, D. and Miikkulainen, R., Eugenic neuro-evolution for reinforcement learning, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 1041–1046, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [87] Ono, I., Nijo, T., and Ono, N., A genetic algorithm for automatically designing modular reinforcement learning agents, in *Proceedings of the Genetic and Evolutionary Computation* Conference (GECCO-2000), edited by Whitley, D. et al., pages 203–210, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [88] Bentley, P. J., "evolutionary, my dear watson" investigating committee-based evolution of fuzzy rules for the detection of suspicious insurance claims, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 702–709, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [89] Tsutsui, S., Sampling bias and search space boundary extension in real coded genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 211–218, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [90] Takahashi, O., Kita, H., and Kobayashi, S., A real-coded genetic algorithm using distance dependent alternation model for complex function optimization, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 219–226, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [91] Oates, M. J., Corne, D., and Loader, R., A tri-phase multimodal evolutionary search performance profile on the 'hierarchical if and only if' problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 339–346, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [92] Shimooka, H. and Fujimoto, Y., Generating robust control equations with genetic programming for control of a rolling inverted pendulum, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 491–495, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [93] Keane, M. A., Yu, J., and Koza, J. R., Automatic synthesis of both topology and tuning of a common parameterized controller for two families of plants using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 496–504, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [94] Cicirello, V. A. and Smith, S. F., Modeling ga performance for control parameter optimization, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 235–242, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [95] Mathias, K. E. et al., Code compaction using genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 710–717, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [96] da Silva, A. R. F., Genetic algorithms for component analysis, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 243–250, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [97] Tominaga, D., Koga, N., and Okamoto, M., Efficient numerical optimization algorithm based on genetic algorithm for inverse problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 251–258, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [98] Ho, S.-Y. and Lee, K.-Z., A simple and fast ga-sa hybrid image segmentation algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 718–725, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [99] Rauss, P. J., Daida, J. M., and Chaudhary, S., Classification of spectral imagery using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 726–733, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [100] Takehisa, Y., Sakanashi, H., and Higuchi, T., Adaptive wavelet transform for lossless image compression using genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 259–266, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [101] Pelikan, M. and Goldberg, D. E., Hierarchical problem solving by the bayesian optimization algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 267–274, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [102] Pelikan, M., Goldberg, D. E., and Cantu-Paz, E., Bayesian optimization algorithm, population sizing, and time to convergence, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 275–282, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [103] Gottlieb, J. and Raidl, G. R., The effects of locality on the dynamics of decoder-based evolutionary search, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 283–290, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [104] Kurahashi, S. and Terano, T., A genetic algorithm with tabu search for multimodal and multiobjective function optimization, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 291–298, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [105] Cheng, R., Gen, M., and Oren, S. S., An adaptive hyperplane approach for multiple objective optimization problems with complex constraints, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 299–306, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [106] Murata, T., Ishibuchi, H., and Gen, M., Cellular genetic local search for multi-objective optimization, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 307–314, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [107] Drechsler, R. and Gunther, W., Evolutionary synthesis of multiplexor circuits under hardware constraints, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 513–518, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [108] Nicholson, A., Evolution and learning for digital circuit design, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 519–524, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [109] Hounsell, B. and Arslan, T., A novel evolvable hardware framework for the evolution of high performance digital circuits, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 525–532, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [110] Tanigawa, T. and Zhao, Q., A study on efficient generation of decision trees using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 1047–1052, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [111] Cantu-Paz, E. and Kamath, C., Using evolutionary algorithms to induce oblique decision trees, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 1053–1060, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [112] Carvalho, D. R. and Freitas, A. A., A hybrid decision tree/genetic algorithm for coping with the problem of small disjuncts in data mining, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 1061–1068, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [113] Collins, D. J., Agah, A., Wu, A. S., and Schultz, A. C., The effects of team size on the evolution of distributed micro air vehicles, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 949–956, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [114] Urzelai, J. and Floreano, D., Evolutionary robotics: Coping with environmental change, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 941–948, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [115] Yamada, S., Evolutionary design of behaviors for action-based environment modeling by a mobile robot, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 957–964, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [116] Vazquez, M. and Whitley, D., A hybrid genetic algorithm for the quadratic assignment problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 135–142, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [117] Kazadi, S., Lee, D., Modi, R., Sy, J., and Lue, W., Levels of compartmentalization in artificial evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 841–848, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [118] Simoes, A. and Costa, E., Using genetic algorithms with asexual transposition, in *Proceedings* of the Genetic and Evolutionary Computation Conference (GECCO-2000), edited by Whitley, D. et al., pages 323–330, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [119] Merkle, D., Middendorf, M., and Schmeck, H., Ant colony optimization for resource-constrained project scheduling, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., pages 893–900, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [120] Miyashita, K., Job-shop scheduling with genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 505–512, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [121] Pipe, A. G. and Carse, B., Autonomous acquisition of fuzzy rules for mobile robot control: First results from two evolutionary computation approaches, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 849–856, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [122] Sato, Y., Interactive evolution of adaptive parameter for speaker verification systems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 742–749, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [123] House, J. L., Kain, A., and Hines, J., Esp metaphor for learning: an evolutionary algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 734–741, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [124] Portmann, M.-C. and Vignier, A., Performances' study on crossover operators keeping good schemata for scheduling problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 331–338, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [125] Rothlauf, F., Goldberg, D., and Heinzl, A., Bad codings and the utility of well-designed genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 355–362, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [126] Ishibuchi, H. and Nakashima, T., Multi-objective pattern and feature selection by genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., pages 1069–1076, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [127] Benson, K., Booth, D., Cubillo, J., and Reeves, C., Automatic detection of ships in spaceborne sar imagery, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 767, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [128] Berlanga, A., Isasi, P., Sanchis, A., and Molina, J. M., Uniform coevolution for solving the density classification problem in cellular automata, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 383, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [129] Baghadadchi, J., A classifier based learning model for intelligent agents, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 870, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [130] Mansilla, E. B. i. and Guiu, J. M. G. i., Molecs: A multiobjective learning classifier system, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 390, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [131] Brizuela, C. A. and Sannomiya, N., A selection scheme in genetic algorithms for a complex scheduling problem, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 1021, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [132] Craenen, B. G. W., Eiben, A. E., Marchiori, E., and Steenbeek, A. G., Combining local search and fitness function adaptation in a ga for solving binary constraint satisfaction problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 381, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [133] Cuesta, P. D., Abderraman, J. C., Jimenez, J. A., and Winter, G., Practical modeling of simple genetic algorithm via deterministic paths by absorbing markov chains, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 371, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [134] Devogelaere, D., Van Bael, P., and Rijckaert, M., Genetic algorithm driven clustering for toxicity prediction, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 759, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [135] Edelson, W. and Gargano, M. L., Feasible encodings for ga solutions of constrained minimal spanning tree problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 754, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [136] Fernandez, F., Tomassini, M., Punch, W., and Sanchez, J. M., Experimental study of isolated multipopulation genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 536, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [137] Noda, E., Freitas, A. A., and Lopes, H. S., Comparing a genetic algorithm with a rule induction algorithm in the data mining task of dependence modeling, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 1080, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [138] Furutani, H., Study of evolution in genetic algorithms by eigen's theory including crossover operator, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 389, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [139] Grundler, D. and Rolich, T., Qualitative visual presentation of evolution algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 805, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [140] Gen, M. and Zhou, G., A genetic algorithm for the mini-max spanning forest problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 387, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [141] Hasse, M. and Pozo, A. R., Using phenotypic sharing in a classifier tool, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 392, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [142] Ho, S.-Y. and Huang, M.-H., An efficient quadratic curve approximation using an intelligent genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 766, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [143] Horng, J.-T., Chang, Y.-J., Liu, B.-J., and Kao, C.-Y., Materialized view selection in a data warehouse using evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 385, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [144] Hsu, W. H., Welge, M., Redman, T., and Clutter, D., Genetic wrappers for constructive induction in high-performance data mining, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 765, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [145] Hsu, W. H., Cheng, Y., Guo, H., and Gustafson, S. M., Genetic algorithms for reformulation of large-scaled kdd problems with many irrelevant attributes, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 1081, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [146] Hu, Y.-J., Global gene expression analysis with genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 753, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [147] Huang, C.-F., Independent sampling genetic algorithms and the applications, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 372, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [148] Jin, H.-D., Leung, K.-S., and Wong, M.-L., Designing an expanded som for the traveling salesman problem by genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 1079, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [149] Kargupta, H., Computation in genetic code-like transformations, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 937, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [150] Keymeulen, D., Klimeck, G., Zebulum, R., Stoica, A., and Salazar-Lazaro, C., Ehwpack: a parallel software/hardware environment for evolvable hardware, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 538, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [151] Kim, H.-S. and Cho, S.-B., Knowledge-based encoding in interactive genetic algorithm for a fashion design aid system, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 757, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [152] Kim, J.-H. and Moon, B.-R., Genetic elevator group control, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 762, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [153] Kivijarvi, J., Franti, P., and Nevalainen, O., Efficient clustering with a self-adaptive genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 377, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [154] Lee, C.-Y. and Antonsson, E. K., Variable length genomes for evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 806, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [155] Fabrega, X. L. i. and Guiu, J. M. G. i., Evolving agent aggregates using cellular genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 868, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [156] Maeda, Y. and Kawaguchi, S., Redundant node pruning and adaptive search method for genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 535, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [157] Hussain, D. and Malliaris, S., Evolutionary techniques applied to hashing: An efficient data retrieval method, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 760, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [158] Mehrotra, R., Karr, C. L., and Bowersox, R., Airfoil optimization using genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 764, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [159] Miki, M., Hiroyasu, T., and Kaneko, M., A parallel genetic algorithm with distributed environment scheme, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 376, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [160] Al-Kazemi, B. and Mohan, C. K., Solving problems with overlapping building blocks, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 384, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [161] Moustafa, R. E., De Jong, K. A., and Wegman, E. J., A ga-based method for function approximation using adaptive interpolation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 378, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [162] Munteanu, C. and Rosa, A., Symmetrical building blocks and the simple inversion operator, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 365, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [163] Neri, F., Modeling tcp/ip network traffic for intrusion detection by genetic evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 755, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [164] Ottner, S. C., Optimising television commercial air-time by means of a genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 761, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [165] Pelikan, M. and Lobo, F. G., Parameter-less genetic algorithm: A worst-case time and space complexity analysis, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 370, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [166] Peysakhov, M., Galinskaya, V., and Regli, W. C., Genetic algorithms for optimization of lego assemblies, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 968, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [167] Poon, J., Initial results with coevolving dominance mapping, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 368, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [168] Rylander, B. and Foster, J., Ga-hard problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 367, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [169] Rylander, B., Soule, T., Foster, J., and Alves-Foss, J., Quantum genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 373, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [170] Baydar, C. M. and Saitou, K., A genetic programming framework for error recovery in robotic assembly systems, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 756, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [171] Sakamoto, Y. and Kobayashi, M., Evaluation of the effects of noises by experiments using a mobile robot, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 386, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [172] Sammartino, L., Simonov, M., Soroldoni, M., and Tettamanzi, A. G. B., Gamut: A system for customer modeling based on evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 758, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [173] Santana, R. et al., Probabilistic evolution and the busy beaver problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 380, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [174] Satoh, H., Uno, K., Kubo, M., and Namatame, A., The role of mimicry in social evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 871, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [175] Schubert, T., Mackensen, E., Drechsler, N., Drechsler, R., and Becker, B., Specialized hardware for implementation of evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 369, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [176] Seffens, W. and Digby, D., Fitness function analysis of biological genetic codes using an evolutionary algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 867, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [177] Shimodaira, H., A diversity control oriented genetic algorithm (dcga): Performance in function optimization, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 366, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

- [178] Pires, E. J. S. and Machado, J. A. T., Trajectory optimization for redundant robots using genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 967, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [179] Someya, H. and Yamamura, M., Where should children be generated by crossover operator on function optimization?, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 382, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [180] Torres-Jimenez, J., Rodriguez-Tello, E., and Ruiz-Suarez, J. C., A genetic algorithm for matrix bandwith reduction, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 388, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [181] Trenaman, A., Choosing the right number of trials for a minimal simulation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 969, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [182] Tsai, H.-K., Kao, C.-Y., and Yang, J.-M., A genetic algorithm for physical mapping problems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 375, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [183] Vallejo, E. E. and Ramos, F., Evolving insect locomotion using non-uniform cellular automata, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 869, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [184] Vassilev, V. K. and Miller, J. F., Embedding landscape neutrality to build a bridge from the conventional to a more efficient three-bit multiplier circuit, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 539, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [185] Wilson, E., Karr, C., and Messimer, S., Genetic algorithm optimization of a filament winding process modeled in witness, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 763, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [186] Yang, L. and Yen, J., An adaptive simplex genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 379, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [187] Yasunaga, M., Nakamura, T., Yoshihara, I., and Kim, J. H., Kernel optimization in pattern recognition using a genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 391, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [188] Yoon, H.-S. and Moon, B.-R., Synergy of multiple crossover operators in a genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by Whitley, D. et al., page 374, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [189] Yoshihara, I., Aoyama, T., and Yasunaga, M., A fast model-building method for time series using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference* (GECCO-2000), edited by Whitley, D. et al., page 537, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.