

Список литературы

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

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

- [28] J.-M. Yang and C.-Y. Kao, 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 D. Whitley et al., pages 1025–1032, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [29] S. Pozzi and J. Segovia, 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 D. Whitley et al., pages 590–596, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [30] M. Vazquez and L. D. Whitley, 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 D. Whitley et al., pages 1011–1018, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [31] G. Ochoa, I. Harey, and H. Buxton, Optimal mutation rates and selection pressure in genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 315–322, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [32] E. Hart and P. Ross, Enhancing the performance of a ga through visualisation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 347–354, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [33] R. I. B. McKay, Fitness sharing in genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 435–442, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [34] J. Gan and K. Warwick, A variable radius niching technique for speciation in genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 96–103, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [35] T. P. Riopka and P. Bock, Intelligent recombination using individual learning in a collective learning genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 104–111, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [36] H. Sawai and S. Adachi, 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 D. Whitley et al., pages 74–81, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [37] S. Margetts and A. J. Jones, Phlegmatic mappings for function optimisation with genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 82–89, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [38] G. Seront and H. Bersini, 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 D. Whitley et al., pages 90–95, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [39] S. Baglioni, D. Sorbello, C. da Costa Pereira, and A. G. B. Tettamanzi, Evolutionary multiperiod asset allocation, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 597–604, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [40] A. J. Bagnall, 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 D. Whitley et al., pages 605–612, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

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

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

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

- [82] R. Szmit and A. Barak, Evolution strategies for a parallel multi-objective genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 227–234, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [83] M. Boden, H. Jacobsson, and T. Ziemke, Evolving context-free language predictors, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 1033–1040, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [84] H. Ishibuchi and T. Nakashima, Linguistic rule extraction by genetics-based machine learning, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 195–202, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [85] M. O'Neill and C. Ryan, Grammar based function definition in grammatical evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 485–490, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [86] D. Polani and R. Miikkulainen, Eugenic neuro-evolution for reinforcement learning, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 1041–1046, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [87] I. Ono, T. Nijo, and N. Ono, A genetic algorithm for automatically designing modular reinforcement learning agents, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 203–210, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [88] P. J. Bentley, "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 D. Whitley et al., pages 702–709, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [89] S. Tsutsui, 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 D. Whitley et al., pages 211–218, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [90] O. Takahashi, H. Kita, and S. Kobayashi, 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 D. Whitley et al., pages 219–226, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [91] M. J. Oates, D. Corne, and R. Loader, 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 D. Whitley et al., pages 339–346, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [92] H. Shimooka and Y. Fujimoto, 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 D. Whitley et al., pages 491–495, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [93] M. A. Keane, J. Yu, and J. R. Koza, 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 D. Whitley et al., pages 496–504, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [94] V. A. Cicirello and S. F. Smith, Modeling ga performance for control parameter optimization, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 235–242, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [95] K. E. Mathias et al., Code compaction using genetic algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 710–717, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

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

- [109] B. Hounsell and T. Arslan, 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 D. Whitley et al., pages 525–532, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [110] T. Tanigawa and Q. Zhao, A study on efficient generation of decision trees using genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 1047–1052, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [111] E. Cantu-Paz and C. Kamath, Using evolutionary algorithms to induce oblique decision trees, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 1053–1060, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [112] D. R. Carvalho and A. A. Freitas, 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 D. Whitley et al., pages 1061–1068, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [113] D. J. Collins, A. Agah, A. S. Wu, and A. C. Schultz, 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 D. Whitley et al., pages 949–956, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [114] J. Urzelai and D. Floreano, Evolutionary robotics: Coping with environmental change, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 941–948, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [115] S. Yamada, 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 D. Whitley et al., pages 957–964, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [116] M. Vazquez and D. Whitley, A hybrid genetic algorithm for the quadratic assignment problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 135–142, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [117] S. Kazadi, D. Lee, R. Modi, J. Sy, and W. Lue, Levels of compartmentalization in artificial evolution, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 841–848, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [118] A. Simoes and E. Costa, Using genetic algorithms with asexual transposition, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 323–330, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [119] D. Merkle, M. Middendorf, and H. Schneck, Ant colony optimization for resource-constrained project scheduling, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 893–900, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [120] K. Miyashita, Job-shop scheduling with genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 505–512, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [121] A. G. Pipe and B. Carse, 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 D. Whitley et al., pages 849–856, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [122] Y. Sato, Interactive evolution of adaptive parameter for speaker verification systems, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., pages 742–749, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

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

- [136] F. Fernandez, M. Tomassini, W. Punch, and J. M. Sanchez, Experimental study of isolated multipopulation genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., page 536, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [137] E. Noda, A. A. Freitas, and H. S. Lopes, 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 D. Whitley et al., page 1080, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [138] H. Furutani, 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 D. Whitley et al., page 389, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [139] D. Grundler and T. Rolich, Qualitative visual presentation of evolution algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., page 805, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [140] M. Gen and G. Zhou, A genetic algorithm for the mini-max spanning forest problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., page 387, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [141] M. Hasse and A. R. Pozo, Using phenotypic sharing in a classifier tool, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., page 392, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [142] S.-Y. Ho and M.-H. Huang, An efficient quadratic curve approximation using an intelligent genetic algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., page 766, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [143] J.-T. Horng, Y.-J. Chang, B.-J. Liu, and C.-Y. Kao, Materialized view selection in a data warehouse using evolutionary algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., page 385, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [144] W. H. Hsu, M. Welge, T. Redman, and D. Clutter, Genetic wrappers for constructive induction in high-performance data mining, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., page 765, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [145] W. H. Hsu, Y. Cheng, H. Guo, and S. M. Gustafson, 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 D. Whitley et al., page 1081, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [146] Y.-J. Hu, Global gene expression analysis with genetic programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., page 753, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [147] C.-F. Huang, Independent sampling genetic algorithms and the applications, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., page 372, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [148] H.-D. Jin, K.-S. Leung, and M.-L. Wong, 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 D. Whitley et al., page 1079, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [149] H. Kargupta, Computation in genetic code-like transformations, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley et al., page 937, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.

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

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

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