Список литературы

- [1] D. Whitley, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 3–10, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [3] P. Chiu, A. Girgensohn, W. Polak, E. Rieffel, L. Wilcox, and F. H. Bennett III, 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 786–793, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [10] O. A. CHAUDHRI, J. M. DAIDA, J. C. KHOO, W. S. RICHARDSON, R. B. HARRISON, and W. J. SLOAT, Characterizing a Tunably Difficult Problem in Genetic Programming, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. WHITLEY, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 58–65, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [27] B. CARSE and J. ORELAND, A Note on Learning and Evolution in Neural Networks, in Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000), edited by D. WHITLEY, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 590–596, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [30] M. VAZQUEZ and L. D. WHITLEY, A Comparison of Genetic Algorithms for the Dymanic Job Shop Scheduling Problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. WHITLEY, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 1003–1010, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [56] D. Bonachea, E. Ingerman, 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 674–681, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [71] M. ARITA, A. N. ANDMASAMI 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 697–701, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [82] R. Szmit and A. Barak, Evolution Strategies for a Parrallel Multi-Objective Genetic Algorithm, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 235–242, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [95] K. E. MATHIAS, L. J. ESHELMAN, J. D. SCHAFFER, L. AUGUSTEIJN, P. HOOGENDIJK, and R. VAN DE WIEL, Code Compaction Using Genetic Algorithms, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. WHITLEY, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 323–330, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [119] D. MERKLE, M. MIDDENDORF, and H. SCHMECK, Ant Colony Optimization for Resource-Constrained Project Scheduling, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. WHITLEY, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, pp. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 758, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.
- [173] R. Santana, A. Ochoa-Rodriguez, M. Soto, F. B. Pereira, P. Machado, E. Costa, and A. Cardoso, Probabilistic Evolution and the Busy Beaver Problem, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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 Bandwith Reduction, in *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2000)*, edited by D. Whitley, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. GOLDBERG, E. CANTU-PAZ, L. SPECTOR, I. PARMEE, and H.-G. BEYER, p. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantu-Paz, L. Spector, I. Parmee, and H.-G. Beyer, p. 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, D. Goldberg, E. Cantupaz, L. Spector, I. Parmee, and H.-G. Beyer, p. 537, Las Vegas, Nevada, USA, 2000, Morgan Kaufmann.