

Список литературы

- [1] Jin Y, Okabe T, Sendhoff B. Neural network regularization and ensembling using multi-objective evolutionary algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1-8.
- [2] Farina M, Gobbi M. A fuzzy-optima definition based Multiobjective optimization of a racing car tyre-suspension system. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 9-16.
- [3] Coelho RF, Bouillard P. PAMUC II for Multicriteria Optimization of Mechanical Designs with Expert Rules. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 17-22.
- [4] Smith K, Everson R, Fieldsend J. Dominance Measures for Multi-Objective Simulated Annealing. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 23-30.
- [5] Deugo D, Ferguson D. Evolution to the Xtreme: Evolving Evolutionary Strategies Using A Meta-Level Approach. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 31-8.
- [6] ping Chen Y, Goldberg D. Convergence Time for the Linkage Learning Genetic Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 39-46.
- [7] Arnold D. An Analysis of Evolutionary Gradient Search. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 47-54.
- [8] Dukkipati A, Musti NM, Bhatnagar S. Cauchy Annealing Schedule: An Annealing Schedule for Boltzmann Selection Scheme in Evolutionary Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 55-62.
- [9] Kobayashi Y, Aiyoshi E. Optimization Algorithm Using Multi-Agents and Reinforcement Learning. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 63-8.
- [10] Tavares J, Pereira F, Costa E. Understanding the Role of Insertion and Correction in the Evolution of Golomb Rulers. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 69-76.
- [11] Sheng W, Liu X. A Hybrid Algorithm for K-medoid Clustering of Large Data Sets. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 77-82.
- [12] Bernstein Y, Li X, Ciesielski V, Song A. Multiobjective Parsimony Enforcement for Superior Generalisation Performance. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 83-9.
- [13] Hu X, Shi Y, Eberhart R. Recent Advances in Particle Swarm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 90-7.
- [14] Parrott D, Li X. A Particle Swarm Model for Tracking Multiple Peaks in a Dynamic Environment using Speciation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 98-103.
- [15] O'Neill M, Brabazon A, Adley C. The Automatic Generation of Programs for Classification Problems with Grammatical Swarm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 104-10.
- [16] Dozier GV, Brown D, Hurley J, Cain K. Vulnerability Analysis of AIS-Based Intrusion Detection Systems via Genetic and Particle Swarm Red Teams. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 111-6.

- [17] Kendall G, Spoerer K. Scripting the Game of Lemmings with a Genetic Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 117-24.
- [18] Denzinger J, Chan B, Gates D, Loose K, Buchanan J. Evolutionary behavior testing of commercial computer games. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 125-32.
- [19] Corno F, Sanchez E, Squillero G. On The Evolution of Corewar Warriors. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 133-8.
- [20] Cole N, Louis S, Miles C. Using a Genetic Algorithm to Tune First-Person Shooter Bots. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 139-45.
- [21] Spieth C, Streichert F, Speer N, Zell A. Utilizing an Island Model for EA to Preserve Solution Diversity for Inferring Gene Regulatory Networks. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 146-51.
- [22] Spieth C, Streichert F, Speer N, Zell A. A Memetic Inference Method for Gene Regulatory Networks Based on S-Systems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 152-7.
- [23] Rowland J. On Genetic Programming and Knowledge Discovery in Transcriptome Data. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 158-65.
- [24] Bleuler S, Prelic A, Zitzler E. An EA Framework for Biclustering of Gene Expression Data. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 166-73.
- [25] Ji Z, Chen A, Subprasom K. Finding Multi-Objective Paths in Stochastic Networks: A Simulation-based Genetic Algorithm Approach. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 174-80.
- [26] Chen A, Chootinan P, Pravinongvuth S. An Evolutionary Approach for Finding Optimal Automatic Vehicle Identification Reader Locations in Transportation Networks. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 181-7.
- [27] Sato H, Aguirre H, Tanaka K. Local Dominance Using Polar Coordinates to Enhance Multiobjective Evolutionary Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 188-95.
- [28] Aguirre H, Tanaka K. Insights on Properties of Multiobjective MNK-Landscapes. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 196-203.
- [29] Parsopoulos K, Tasoulis D, Pavlidis N, Plagianakos V, Vrahatis M. Vector Evaluated Differential Evolution for Multiobjective Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 204-11.
- [30] Mostaghim S, Hoffmann M, Koenig PH, Frauenheim T, Teich J. Molecular Force Field Parametrization using Multi-Objective Evolutionary Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 212-9.
- [31] Weinberg B, Talbi EG. NFL theorem is unusable on structured classes of problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 220-6.

- [32] English T. No More Lunch: Analysis of Sequential Search. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 227-34.
- [33] Koeppen M. No-Free-Lunch Theorems and the Diversity of Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 235-41.
- [34] Chow R. Effects of Phenotypic Feedback and the Coupling of Genotypic and Phenotypic Spaces in Genetic Searches. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 242-9.
- [35] Schonfeld J, Ashlock D. Comparison of Robustness of Solutions Located by Evolutionary Computation and Other Search Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 250-7.
- [36] Greenwood G. Differing Mathematical Perspectives of Genotype Space in Combinatorial Problems: Metric Spaces vs Pretopological Spaces. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 258-64.
- [37] Bain S, Thornton J, Sattar A. Evolving Algorithms for Constraint Satisfaction. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 265-72.
- [38] Dozier GV. Recurrent Distributed Constraint Satisfaction via Genetic and Evolutionary Societies of Hill-Climbers. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 273-9.
- [39] Yuchi M, Kim JH. Grouping-based Evolutionary Algorithm: Seeking Balance Between Feasible and Infeasible Individuals of Constrained Optimization Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 280-7.
- [40] Venkatraman S, Yen G. A Simple Elitist Genetic Algorithm for Constrained Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 288-95.
- [41] Simionescu PA, Beale DG, Dozier GV. Constrained Optimization Problem Solving Using Estimation of Distribution Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 296-302.
- [42] Alkhalifah Y, Wainwright R. A Genetic Algorithm Applied to Graph Problems Involving Subsets of Vertices. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 303-8.
- [43] Katare S, Kalos A, West D. A Hybrid Swarm Optimizer for Efficient Parameter Estimation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 309-15.
- [44] Cui Z, Zeng J, Cai X. A New Stochastic Particle Swarm Optimizer. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 316-9.
- [45] Shuyuan Y, Min W, Licheng J. A Quantum Particle Swarm Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 320-4.
- [46] Sun J, Feng B, Xu W, Liu J, Bao L. Particle Swarm Optimization with Particles Having Quantum Behavior. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 325-31.
- [47] Krink T, Filipic B, Fogel GB, Thomsen R. Noisy Optimization Problems - A Particular Challenge for Differential Evolution? In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 332-9.

- [48] Kennedy J. Probability and Dynamics in the Particle Swarm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 340-7.
- [49] Chong SY, Yao X. The Impact of Noise on Iterated Prisoner's Dilemma with Multiple Levels of Cooperation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 348-55.
- [50] Franken N, Engelbrecht A. PSO approaches to co-evolve IPD strategies. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 356-63.
- [51] Hingston P, Kendall G. Learning versus Evolution in Iterated Prisoner's Dilemma. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 364-72.
- [52] Mark A, Sendhoff B, Wersing H. A Decision Making Framework for Game Playing Using Evolutionary Optimization and Learning. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 373-80.
- [53] Ashlock D, youn Kim E, von Roeschlaub W. Fingerprints: Enabling Visualization and Automatic Analysis of Strategies for Two Player Games. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 381-7.
- [54] Sun X, Just W. Evolution of Strategies in Modified Sequential Assessment Games. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 388-94.
- [55] Parmee I, Abraham J. Supporting Implicit Learning via the Visualisation of COGA Multi-objective Data. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 395-402.
- [56] Hernandez-Aguirre A, Botello-Rionda S, Coello-Coello C. PASSSS: An Implementation of a Novel Diversity Strategy for Handling Constraints. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 403-10.
- [57] Kicing R, Arciszewski T, De Jong K. Morphogenesis and Structural Design: Cellular Automata Representations of Steel Structures in Tall Buildings. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 411-8.
- [58] Bryden K, Ashlock D, McCorkle D. An Application of Graph Based Evolutionary Algorithms for Diversity Preservation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 419-26.
- [59] Suram S, Bryden K, Ashlock D. Quantitative Trait Loci based Solution of an Inverse Radiation Heat Transfer Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 427-32.
- [60] Dorris N, Carnahan B, Orsini L, Kuntz LA. Interactive Evolutionary Design of Anthropomorphic Symbols. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 433-40.
- [61] Ishibuchi H, Narukawa K. Performance Evaluation of Simple Multiobjective Genetic Local Search Algorithms on Multiobjective 0/1 Knapsack Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 441-8.
- [62] Aguirre H, Tanaka K. Effects of Elitism and Population Climbing on Multiobjective MNK-Landscapes. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 449-56.
- [63] Dunn E, Olague G, Lutton E, Schoenauer M. Pareto Optimal Sensing Strategies for an Active Vision System. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 457-63.

- [64] Yun Y, Nakayama H, Arakawa M. Fitness Evaluation using Generalized Data Envelopment Analysis in MOGA. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 464-71.
- [65] Nguyen XH, Ian MR. An Investigation on the Roles of Insertion and Deletion Operators in Tree Adjoining Grammar Guided Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 472-7.
- [66] Shan Y, McKay RI, Baxter R, Abbass H, Essam D, Nguyen H. Grammar Model-based Program Evolution. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 478-85.
- [67] Tomassini M, Vanneschi L, Cuendet J, Fernandez F. A New Technique for Dynamic Size Populations in Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 486-93.
- [68] Ciesielski V, Li X. Experiments with Explicit For-loops in Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 494-501.
- [69] Leon E, Nasraoui O, Gomez J. Anomaly Detection Based on Unsupervised Niche Clustering with Application to Network Intrusion Detection. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 502-8.
- [70] Teredesai A, Govindaraju V. Issues in Evolving GP based Classifiers for a Pattern Recognition Task. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 509-15.
- [71] Ouellette R, Browne M, Hirasawa K. Genetic Algorithm Optimization of a Convolutional Neural Network for Autonomous Crack Detection. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 516-21.
- [72] Ashburn T, Bonabeau E. Interactive Inversion of Financial Markets Agent-Based Models. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 522-9.
- [73] Devicharan D, Mohan C. Particle Swarm Optimization with Adaptive Linkage Learning. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 530-5.
- [74] Cagnina L, Esquivel S, Gallard R. Particle Swarm Optimization for Sequencing Problems: A Case Study. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 536-41.
- [75] Liu Y, Qin Z, He X. Supervisor-Student Model in Particle Swarm Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 542-7.
- [76] Mohais A, Ward C, Posthoff C. Randomized Directed Neighborhoods with Edge Migration in Particle Swarm Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 548-55.
- [77] Castillo F, Sweeney J, Zirk W. Using Evolutionary Algorithms to Suggest Variable Transformations in Linear Model Lack-of-Fit Situations. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 556-60.
- [78] Kordon A, Lue CT. Symbolic Regression Modeling of Blown Film Process Effects. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 561-8.
- [79] Filipic B, Robic T. A Comparative Study of Coolant Flow Optimization on a Steel Casting Machine. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 569-73.

- [80] Jones P, Tiwari A, Roy R, Corbett J. Optimisation of the High Efficiency Deep Grinding Process with Fuzzy Fitness Function and Constraints. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 574-81.
- [81] Corne D, Pridgeon C. Investigating Issues in the Reconstructability of Genetic Regulatory Networks. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 582-9.
- [82] Cho SB, Park C. Speciated GA for Optimal Ensemble Classifiers in DNA Microarray Classification. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 590-7.
- [83] Deschenes A, Wiese KC. Using Stacking-Energies (INN and INN-HB) for Improving the Accuracy of RNA Secondary Structure Prediction with an Evolutionary Algorithm - A Comparison to Known Structures. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 598-606.
- [84] Fogel GB, Weekes DG, Sampath R, Ecker DJ. Parameter Optimization of an Evolutionary Algorithm for RNA Structure Discovery. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 607-13.
- [85] Kotani M, Kato D. Feature Extraction Using Coevolutionary Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 614-9.
- [86] Chan KY, Aydin E, Fogarty T. An Empirical Study on the Performance of Factorial Design Based Crossover on Parametrical Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 620-7.
- [87] Zou Y, Zhuang Z, Chen H. HW-SW Partitioning Based on Genetic Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 628-33.
- [88] Hong JH, Cho SB. Evolution of Emergent Behaviors for Shooting Game Characters in Robocode. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 634-8.
- [89] de Garis H, Batty T. Robust, Reversible, Nano-Scale, Femto-Second-Switching Circuits and their Evolution. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 639-45.
- [90] Hatanaka T, Kawaguchi Y, Uosaki K. Nonlinear System Identification Based on Evolutionary Fuzzy Modeling. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 646-51.
- [91] Brabazon A, Silva A, de Sousa TF, O'Neill M, Matthews R, Costa E. Investigating Organizational Strategic Inertia Using a Particle Swarm Model. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 652-9.
- [92] Gutierrez C. Heuristics in a General Scheduling Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 660-5.
- [93] Gao W. Fast Immunized Evolutionary Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 666-70.
- [94] Cohen D. Using SAT Scores as Predictors for Future Academic Success. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 671-7.
- [95] Chung-Yuan H, Chuen-Tsai S. Self-Adaptive Routing Based on Learning Classifier Systems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 678-82.

- [96] Eto S, Hirasawa K, Hu J. Functional Localization of Genetic Network Programming and its Application to a Pursuit Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 683-90.
- [97] Bandte O. Visualizing Information in an Interactive Evolutionary Design Process. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 691-8.
- [98] De San Pedro M, Pandolfi D, Villagra A, Lasso M, Gallard R. Effect of Crossover Operators under Multirecombination: Weighted Tardiness, a Test Case. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 699-705.
- [99] Zheng J, Ling CX, Shi Z, Xie Y. Some Discussions about MOGAs: Individual Relations, Non-dominated Set, and Application on Automatic Negotiation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 706-12.
- [100] Nakagoe H, Hirasawa K, Hu J. Genetic Network Programming with Automatically Generated Variable Size Macro Nodes. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 713-9.
- [101] Sastry K, Pelikan M, Goldberg D. Efficiency Enhancement of Genetic Algorithms via Building-Block-Wise Fitness Estimation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 720-7.
- [102] Kleeman M, Day R, Lamont G. Multi-Objective Evolutionary Search Performance with Explicit Building-Block Sizes for NPC Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 728-35.
- [103] Ferreira T, Vasconcelos G, Adeodato P. A Hybrid Intelligent System Approach for Improving the Prediction of Real World Time Series. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 736-43.
- [104] Chen J, Wineberg M. Enhancement of the Shifting Balance Genetic Algorithm for Highly Multimodal Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 744-51.
- [105] Hotz PE. Comparing direct and developmental encoding schemes in artificial evolution: A case study in evolving lens shapes. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 752-7.
- [106] Osmera P. Evolvable Controllers with Hierarchical Structure. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 758-65.
- [107] Parker G, Blumenthal J. Varying Sample Sizes for the Co-Evolution of Heterogeneous Agents. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 766-71.
- [108] Hou H, Dozier GV. Comparing Performance of Binary-Coded and Constraint-Based Detectors. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 772-7.
- [109] kin Chow C, tat Tsui H. Autonomous Agent Response Learning by a Multi-Species Particle Swarm Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 778-85.
- [110] Daneshyari M, Yen G. Talent Based Social Algorithm for Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 786-91.
- [111] S B, Suganthan PN. A Novel Concurrent Particle Swarm Optimization (CPSO). In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 792-6.

- [112] Isaacs J, Foo S. Optimized Wavelet Hand Pose Estimation for American Sign Language Recognition. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 797-802.
- [113] Wu Z, Tang Z, Zou J, Kang L, Li M. An Evolutionary Algorithm for Solving Parameter Identification Problems in Elliptic Systems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 803-8.
- [114] Eskridge B, Hougen D. Imitating Success: A Memetic Crossover Operator for Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 809-15.
- [115] de Garis H, Batty T. "MULTI-MOD": A PC Based Software System for Handling the Interconnectivity and Neural Signaling of an Artificial brain containing 10,000 evolved neural net modules. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 816-9.
- [116] Shuyuan Y, Min W, Licheng J. A Novel Quantum Evolutionary Algorithm And Its Application. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 820-6.
- [117] Ando S, Iba H. Estimation of Gene Network using Real-coded GA and Robustness Analysis. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 827-34.
- [118] Gordon S, Matley Z. Evolving Sparse Direction Maps for Maze Pathfinding. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 835-8.
- [119] Oh J, Volper D. Design of Rationality-based Computing Middleware: A Preliminary Study. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 839-46.
- [120] Augugliaro A, Dusonchet L, Favuzza S, Sanseverino ER. A Fuzzy-Logic based Evolutionary Multiobjective Approach for Automated Distribution Networks Management. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 847-54.
- [121] Kimbrough S, Lu M, Safavi S. Exploring a Financial Product Model with a Two-Population Genetic Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 855-62.
- [122] Neal M, Labrosse F. Rotation-invariant appearance based maps for robot navigation using an artificial immune network algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 863-70.
- [123] Sanchez E, Squillero G, Violante M. A Local Analysis of the Genotype-Fitness Mapping in Hardware Optimization Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 871-8.
- [124] Esquivel S, Garcia M, Leguizamon G, Ribba M. A Comparison of Two Mutation Operators for the Path Planning Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 879-83.
- [125] Uosaki K, Kimura Y, Hatanaka T. Evolution Strategies Based Particle Filters for State and Parameter Estimation of Nonlinear Models. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 884-90.
- [126] Sinka M, Corne D. Evolving Document Features for Web Document Clustering: A Feasability Study. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 891-7.

- [127] Yong-Duk K, Jong-Hwan K, Yong-Jae K. Behavior Selection and Learning for Synthetic Character. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 898-903.
- [128] Neumann F. Expected Runtimes of Evolutionary Algorithms for the Eulerian Cycle Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 904-10.
- [129] Chakraborty U. Analysis of Encoding in 1+1-EA. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 911-7.
- [130] Salomon R. The Curse of High-Dimensional Search Spaces: Observing Premature Convergence in Unimodal Functions. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 918-23.
- [131] Verel S, Collard P, Clergue M. Scuba Search: when selection meets innovation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 924-31.
- [132] Streichert F, Ulmer H, Zell A. Evaluating a Hybrid Encoding and Three Crossover Operators on the Constrained Portfolio Selection Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 932-9.
- [133] Korczak JJ, Lipinski P. Evolutionary building of stock trading experts in a real-time system. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 940-7.
- [134] Hayward S. Setting up Performance Surface of an Artificial Neural Network With Genetic Algorithm Optimization: in Search of an Accurate and Profitable Prediction for Stock Trading. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 948-54.
- [135] Tanaka-Yamawaki M, Motoyama T. Predicting the Tick-wise Price Fluctuations by Means of Evolutional Computation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 955-8.
- [136] Krohling RA, Hoffmann F, dos Santos Coelho L. Co-evolutionary Particle Swarm Optimization for Min-Max Problems using Gaussian Distribution. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 959-64.
- [137] Krusienski D, Jenkins WK. Particle Swarm Optimization for Adaptive IIR Filter Structures. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 965-70.
- [138] Slade W, Ransom H, Musavi M, Miller R. Ocean Color Inversion by Particle Swarm Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 971-7.
- [139] Miguelanez E, Zalazala A, Tabor P. Evolving Neural Networks using Swarm Intelligence for Binmap Classification. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 978-85.
- [140] Yannakakis G, Levine J, Hallam J. An Evolutionary Approach for Interactive Computer Games. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 986-93.
- [141] Fletcher J, Zwick M. Hamilton's Rule Applied to Reciprocal Altruism. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 994-1000.
- [142] Daoud M, Kharma N, Haidar A, Popoola J. Ayo, the Awari Player, or How Better Representation Trumps Deeper Search. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1001-6.

- [143] Lucas S. Cellz: A Simple Dynamic Game for Testing Evolutionary Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1007-14.
- [144] Zhang GZ, Huang DS. Radial Basis Function Neural Network Optimized by GA for Soybean Protein Sequence Residue Spatial Distance Prediction. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1015-9.
- [145] Day R, Lamont G. Force Field Approximations Using Artificial Neural Networks. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1020-7.
- [146] Yang JM, Shen TW. A Pharmacophore-Based Evolutionary Approach for Screening Estrogen Receptor Antagonists. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1028-35.
- [147] Lamont G, Esslinger M, Ewing R, Abdel-Aty-Zohdy H. An Artificial Immune System Strategy for Robust Chemical Spectra Classification via Distributed Heterogeneous Sensors. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1036-43.
- [148] Timmis J, Edmonds C, Kelsey J. Assessing the Performance of Two Immune Inspired Algorithms and a Hybrid Genetic Algorithm for Function Optimisation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1044-51.
- [149] Garrett S. Parameter-Free, Adaptive Clonal Selection. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1052-8.
- [150] de Paula F, de Castro L, de Geus P. An Intrusion Detection System Using Ideas from the Immune System. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1059-66.
- [151] Hamaker J, Boggess L. Non-Euclidean Distance Measures in AIRS, an Artificial Immune Classification System. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1067-73.
- [152] Nicosia G, Cutello V, Pavone M. An Immune Algorithm with Hyper-Macromutations for the 2D Hydrophilic-Hydrophobic Model. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1074-80.
- [153] Ji Z, Dasgupta D. Augmented Negative Selection Algorithm with Variable-Coverage Detectors. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1081-8.
- [154] Anderson C, Bonabeau E, Scott J. Evolutionary testing as both a testing and redesign tool: a study of a shipboard firemain's valve and pump controls. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1089-97.
- [155] Malinchik S, Orme B, Rothermich J, Bonabeau E. Interactive Exploratory Data Analysis. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1098-104.
- [156] Fernandez E, Grana M, Ruiz-Cabello J. An Instantaneous Memetic Algorithm for Illumination Correction. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1105-10.
- [157] Bartz-Beielstein T, Markon S. Tuning Search Algorithms for Real-World Applications: A Regression Tree Based Approach. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1111-8.
- [158] Salomon R. The Force Model: Concept, Behavior, Interpretation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1119-26.

- [159] Lee G, Bulitko V, Levner I. Automated Selection of Vision Operator Libraries with Evolutionary Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1127-34.
- [160] Dahal KP, Siewierski TA, Galloway SJ, Burt GM, McDonald JR. An Evolutionary Generation Scheduling in an Open Electricity Market. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1135-42.
- [161] Lasso M, Pandolfi D, De San Pedro M, Villagra A, Gallard R. Solving Dynamic Tardiness Problems in Single Machine Environments. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1143-9.
- [162] Tsutsui S, Wilson G. Solving Capacitated Vehicle Routing Problems Using Edge Histogram Based Sampling Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1150-7.
- [163] Aldasht M, Ortega J, Puntonet CG, Diaz AF. A Genetic Exploration of Dynamic Load Balancing Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1158-63.
- [164] Dandass Y. Genetic List Scheduling for Soft Real-Time Parallel Applications. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1164-71.
- [165] Aleti SH, de Garis H. Evolutionary Algorithms Based on Machine Learning Accelerate Mathematical Function Optimization but not Neural Net Evolution. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1172-7.
- [166] Hu J, Goodman E. Wireless Access Point Configuration by Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1178-84.
- [167] Burian A, Takala J. Evolved Gate Arrays for Image Restoration. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1185-92.
- [168] Habib S, Parker A. Synthesizing Complex Multimedia Network Topologies Using An Evolutionary Approach. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1193-200.
- [169] Inoue Y, Tohge T, Iba H. Object Transportation by Two Humanoid Robots using Cooperative Learning. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1201-8.
- [170] Walker RL. Honeybee Search Strategies: Adaptive Exploration of an Information Ecosystem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1209-16.
- [171] Daida J, Samples M, Hart B, Halim J, Kumar A. Demonstrating Constraints to Diversity with a Tunably Difficulty Problem for Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1217-24.
- [172] Daida J, Ward D, Hilss A, Long S, Hodges M. Visualizing the Loss of Diversity in Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1225-32.
- [173] Katada Y, Ohkura K, Ueda K. The Nei's Standard Genetic Distance in Artificial Evolution. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1233-9.
- [174] Hernandez G, Dasgupta D, Nino F, Garcia J. On Geometric and Statistical Properties of the Attractors of a Generic Evolutionary Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1240-7.

- [175] He J, Yao X, Zhang Q. To Understand One-Dimensional Continuous Fitness Landscapes by Drift Analysis. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1248-53.
- [176] Di Pietro A, While L, Barone L. Applying Evolutionary Algorithms to Problems with Noisy, Time-consuming Fitness Functions. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1254-61.
- [177] Yang S. Constructing Dynamic Test Environments for Genetic Algorithms Based on Problem Difficulty. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1262-9.
- [178] Schoenemann L. The Impact of Population Sizes and Diversity on the Adaptability of Evolution Strategies in Dynamic Environments. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1270-7.
- [179] Tinos R, Carvalho A. A Genetic Algorithm with Gene Dependent Mutation Probability for Non-Stationary Optimization Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1278-85.
- [180] Kang L, Zhou A, McKay RI, Li Y, Kang Z. Benchmarking Algorithms for Dynamic Travelling Salesman Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1286-92.
- [181] Eriksson R, Olsson B. On the Performance of Evolutionary Algorithms with Life-time Adaptation in Dynamic Fitness Landscapes. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1293-300.
- [182] Bonino D, Corno F, Squillero G. Dynamic Optimization of Semantic Annotation Relevance. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1301-8.
- [183] Hernandez-Aguirre A, Coello-Coello C. Mutual Information-based Fitness Functions for Evolutionary Circuit Synthesis. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1309-16.
- [184] Sarif B, Abd-El-Barr M, Sait SM, Al-Saiari U. Fuzzified Ant Colony Optimization Algorithm for Efficient Combinational Circuits. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1317-24.
- [185] Cruz A. A Hybrid Deterministic/Genetic Test Generator to Improve Fault. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1325-30.
- [186] Simsek B, Albayrak S, Korth A. Reinforcement Learning for Procurement Agents of the Factory of the Future. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1331-7.
- [187] Sedighi K, Ashenayi K, Manikas T, Tai HM, Wainwright R. Autonomous Local Path-Planning for a Mobile Robot Using a Genetic Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1338-45.
- [188] Hati S, Sengupta S. A GA-Based Integrated Approach to Model-Assisted Matching and Pose Estimation for Automated Visual Inspection Applications. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1346-53.
- [189] Cohen D. EA-lect: An Evolutionary Algorithm for Constructing Logical Rules to Predict Election into Cooperstown. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1354-61.
- [190] Tongchim S, Yao X. Parallel Evolutionary Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1362-7.

- [191] Santos E, Ohishi T. A Hydro Unit Commitment Model Using Genetic Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1368-74.
- [192] Ozcan E, Onbasioglu E. Genetic Algorithms for Parallel Code Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1375-81.
- [193] Thomsen R. Multimodal Optimization Using Crowding-Based Differential Evolution. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1382-9.
- [194] Doctor S, Venayagamoorthy G, Gudise V. Optimal PSO for Collective Robotic Search Applications. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1390-5.
- [195] Pulido GT, Coello-Coello C. A Constraint-Handling Mechanism for Particle Swarm Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1396-403.
- [196] Mostaghim S, Teich J. Covering Pareto-optimal Fronts by Subswarms in Multi-objective Particle Swarm Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1404-11.
- [197] Tasgetiren MF, Sevkli M, Liang YC, Gencyilmaz G. Particle Swarm Optimization Algorithm For Single Machine Total Weighted Tardiness Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1412-9.
- [198] Fogel DB, Hays T, Johnson D. A Platform for Evolving Characters in Competitive Games. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1420-6.
- [199] Fogel DB. Evolving Strategies in Blackjack. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1427-34.
- [200] Gordon S, Slocum T. The Knight's Tour - Evolutionary vs. Depth-First Search. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1435-40.
- [201] Miles C, Louis S, Cole N, McDonnell J. Learning to Play Like a Human: Case Injected Genetic Algorithms for Strategic Computer Gaming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1441-8.
- [202] Guo Z, Mak KL. A Heuristic GA for The Stochastic Vehicle Routing Problems with Soft Time Windows. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1449-56.
- [203] Wei JD, Lee DT. A New Approach to the Traveling Salesman Problem Using Genetic Algorithms with Priority Encoding. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1457-64.
- [204] Nagata Y. Criteria for designing crossovers for TSP. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1465-72.
- [205] White C, Yen G. A Hybrid Evolutionary Algorithm for Traveling Salesman Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1473-8.
- [206] de la Cruz-Garcia JM, Risco-Martin JL, Herran-Gonzalez A, Fernandez-Blanco P. Hybrid Heuristic and Mathematical Programming in Oil Pipelines Networks. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1479-86.

- [207] Dimopoulos C. A Review of Evolutionary Multiobjective Optimization Applications in the Area of Production Research. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1487-94.
- [208] Wong T, Cote P, Sabourin R. A Hybrid MOEA for the Capacitated Exam Proximity Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1495-501.
- [209] Day R, Kleeman M, Lamont G. Multi-Objective fast messy Genetic Algorithm Solving Deception Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1502-9.
- [210] Hernandez JC, Isasi P, Sez nec A. On the design of state-of-the-art pseudorandom number generators by means of genetic programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1510-6.
- [211] Clark JA, Jacob JL, Stepney S. Searching for Cost Functions. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1517-24.
- [212] Fuller J, Millan W, Dawson E. Multi-objective Optimisation of Bijective S-boxes. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1525-32.
- [213] Clark JA, Jacob JL, Stepney S. The Design of S-Boxes by Simulated annealing. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1533-7.
- [214] Oh C, Barlow G. Autonomous Controller Design for Unmanned Aerial Vehicles using Multi-objective Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1538-45.
- [215] Liu H, Iba H. A Hierarchical Approach for Adaptive Humanoid Robot Control. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1546-53.
- [216] Walsh P, Fenton P. A High-Throughput Computing Environment for Job Shop Scheduling Genetic Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1554-60.
- [217] Gonzalez L, Cannady J. A self-adaptive negative selection approach for anomaly detection. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1561-8.
- [218] Ulmer H, Streichert F, Zell A. Evolution Strategies with Controlled Model Assistance. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1569-76.
- [219] Won KS, Ray T. Performance of Kriging and Cokriging based Surrogate Models within the Unified Framework for Surrogate Assisted Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1577-85.
- [220] Zhou Z, Ong YS, Nair PB. Hierarchical Surrogate-Assisted Evolutionary Optimization Framework. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1586-93.
- [221] Okabe T, Jin Y, Sendhoff B, Olhofer M. Voronoi-based Estimation of Distribution Algorithm for Multi-objective Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1594-601.
- [222] Doty D. Non-local Evolutionary Adaptation in Gridplants. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1602-9.

- [223] Johnson R, Melich M, Michalewicz Z, Schmidt M. Coevolutionary TEMPO Game. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1610-7.
- [224] Ashlock D, Willson S, Leahy N. Coevolution and Tartarus. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1618-24.
- [225] O’Riordan C, Griffith J, Newell J, Sorensen H. Co-evolution of Strategies for an N-player Dilemma. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1625-30.
- [226] Speer N, Spieth C, Zell A. A Memetic Co-Clustering Algorithm for Gene Expression Profiles and Biological Annotation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1631-8.
- [227] Piaseczny W, Suzuki H, Sawai H. Chemical Genetic Programming - Evolution of Amino Acid Rewriting Rules Used for Genotype-Phenotype Translation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1639-46.
- [228] Seo D, Yasunaga M, Kim JH. A Computational Approach to Detect Transcription Regulatory Elements in Dictyostelium Discoideum. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1647-53.
- [229] Ding S, Liu J, Wu C, Yang Q. A genetic algorithm applied to optimal gene subset selection. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1654-60.
- [230] Eguchi T, Hirasawa K, Hu J, Markon S. Elevator Group Supervisory Control Systems Using Genetic Network Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1661-7.
- [231] Sanchez JJ, Galan M, Rubio E. Genetic Algorithms and Cellular Automata: A New Architecture for Traffic Light Cycles Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1668-74.
- [232] Katsumata Y, Terano T. Cabling and Scheduling for Electric Power Plant Operation via TABU-BOA Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1675-82.
- [233] Watanabe I, Nodu M. A Genetic Algorithm for Optimizing Switching Sequence of Service Restoration in Distribution Systems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1683-90.
- [234] Ross P, Marin-Blazquez JG, Hart E. Hyper-heuristics applied to Class and Exam Timetabling problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1691-8.
- [235] Funes P, Bonabeau E, Herve J, Morieux Y. Interactive Multi-Participant Task Allocation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1699-705.
- [236] Pfaffmann J, Bousmalis K, Colombano S. A Scouting-Inspired Evolutionary Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1706-12.
- [237] Ashlock D, Bryden K, Corns S. On Taxonomy of Evolutionary Computation Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1713-9.
- [238] Gomez J. Self Adaptation of Operator Rates in Evolutionary Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1720-6.

- [239] Gomez J. Evolution of Fuzzy Rule Based Classifiers. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1727-34.
- [240] Zhang J, Yuan X, Buckles B. Subspace FDC for Sharing Distance Estimation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1735-42.
- [241] Kobti Z, Reynolds RG, Kohler T. The Effect of Kinship Cooperation Learning Strategy and Culture on the Resilience of Social Systems in the Village Multi-Agent Simulation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1743-50.
- [242] Peng B, Reynolds RG. Cultural Algorithms: Knowledge Learning in Dynamic Environments. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1751-8.
- [243] Ho NB, Tay JC. GENACE: An Efficient Cultural Algorithm to Solve the Flexible Job-Shop Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1759-66.
- [244] Curran D, O’Riordan C. The Effect of Noise on the Performance of Cultural Evolution in Multi-Agent Systems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1767-73.
- [245] Stephan C, Sullivan J. An Agent-Based Hydrogen Vehicle/Infrastructure Model. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1774-9.
- [246] Ostrowski D, Reynolds RG. Using Cultural Algorithms to Evolve Strategies for Recessionary Markets. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1780-5.
- [247] Stoica A, Arslan T, Keymeulen D, Duong V, Zebulum R, Guo X, et al. Evolutionary Recovery of Electronic Circuits from Radiation Induced Faults. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1786-93.
- [248] Sait SM, Al-Ismael M. Enhanced Simulated Evolution Algorithm For Digital Circuit Design Yielding Faster Execution in a Larger Solution Space. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1794-9.
- [249] Harding S, Miller J. Evolution in materio : A Tone Discriminator In Liquid Crystal. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1800-7.
- [250] Hunter D. Some Lessons Learned on Constructing an Automated Testbench for Evolvable Hardware Experiments. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1808-12.
- [251] Oltean M. Solving Even-Parity Problems using Traceless Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1813-9.
- [252] Blumenthal J, Parker G. Punctuated Anytime Learning for Evolving Multi-Agent Capture Strategies. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1820-7.
- [253] Bajurnow A, Ciesielski V. Layered Learning for Evolving Goal Scoring Behavior in Soccer Players. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1828-35.

- [254] Eberbach E, Eberbach A. On Designing CO\$T: A New Approach and Programming Environment for Distributed Problem Solving Based on Evolutionary Computation and Anytime Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1836-43.
- [255] Ashlock D, Lathrop J. Program Induction: Building a Wall. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1844-50.
- [256] Hartono P, Hashimoto S, Wahde M. Labeled-GA with Adaptive Mutation Rate. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1851-8.
- [257] Ashlock D, Oftelie J. Simulation of Floral Specialization in Bees. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1859-64.
- [258] Kephart D, Lefevre J. CodeGen: The Generation and Testing of DNA Code Words. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1865-73.
- [259] Khabzaoui M, Dhaenens C, Talbi EG. A Multicriteria Genetic Algorithm to analyze DNA microarray data. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1874-81.
- [260] Nuser M, Deaton R. A Probabilistic Analysis of in Vitro Selection of Independent DNA Words for Computation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1882-8.
- [261] Neel A, Garzon M, Penumetsa P. Soundness and Quality of Semantic Retrieval in DNA-based Memories with Abiotic Data. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1889-95.
- [262] Wood D, Chen J. Fredkin Gate Circuits via Recombination Enzymes. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1896-900.
- [263] Chiang CH, Chen LH. A New Cellular Automaton: Five Elements Balance Chart and Its Application to Forest Industry Ecosystem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1901-8.
- [264] Acan A. Clonal Selection Algorithm with Operator Multiplicity. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1909-15.
- [265] Randall M. Heuristics for Ant Colony Optimisation using the Generalised Assignment Problem. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1916-23.
- [266] Ippolito M, Sanseverino ER, Vuinovich F. Multiobjective Ant Colony Search Algorithm For Optimal Electrical Distribution System Strategical Planning. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1924-31.
- [267] Annaluru R, Das S, Pahwa A. Multi-Level Ant Colony Algorithm for Optimal Placement of Capacitors in Distribution Systems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1932-7.
- [268] Pirzada A, Datta A, McDonald C. Trusted Routing in Ad-hoc Networks using Pheromone Trails. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1938-43.
- [269] Mumford C. A Hierarchical Evolutionary Approach to Multi-Objective Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1944-51.

- [270] Branke J, Schmeck H, Deb K, Maheshwar RS. Parallelizing Multi-Objective Evolutionary Algorithms: Cone Separation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1952-7.
- [271] Grosan C. Improving the performance of evolutionary algorithms for the multiobjective 0/1 knapsack problem using epsilon -dominance. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1958-63.
- [272] Marwaha S, Srinivasan D, Tham CK, Vasilakos A. Evolutionary Fuzzy Multi-Objective Routing For Wireless Mobile Ad Hoc Networks. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1964-71.
- [273] Chan KY, Aydin E, Fogarty T. Parameterisation of Mutation in Evolutionary Algorithms Using the Estimated Main Effect of Genes. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1972-9.
- [274] Vesterstroem J, Thomsen R. A Comparative Study of Differential Evolution, Particle Swarm Optimization, and Evolutionary Algorithms on Numerical Benchmark Problems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1980-7.
- [275] Zhang F, Dozier GV. A Comparison of Distributed Restricted Recombination Operators for Genetic and Evolutionary Societies of Hill-Climbers: A DisACSP Perspective. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1988-95.
- [276] Ray T, Venkatarayalu N, Won KS, Chan KP. Study on the Behaviour and Implementation of Parent Centric Crossover within the Generalized Generation Gap Model. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 1996-2003.
- [277] Paterlini S, Krink T. High Performance Clustering with Differential Evolution. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2004-11.
- [278] Xie XF, Zhang WJ, Bi DC. Handling Equality Constraints by Adaptive Relaxing Rule for Swarm Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2012-6.
- [279] Xie XF, Zhang WJ, Bi DC. Optimizing Semiconductor Devices by Self-organizing Particle Swarm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2017-22.
- [280] Tasoulis D, Pavlidis N, Plagianakos V, Vrahatis M. Parallel Differential Evolution. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2023-9.
- [281] Buzing P, Eiben A, Schut M, Toma T. Cooperation and Communication in Evolving Artificial Societies. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2030-7.
- [282] Enee G, Escazut C. Evolution of Communication in a Genetic Based Multi-Agent System: Use Wise Resources. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2038-44.
- [283] Ashlock D, Powers B. The Effect of Tag Recognition on Non-Local Adaptation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2045-51.
- [284] Kendall G, Yaakob R, Hingston P. An Investigation of an Evolutionary Approach to the Opening of Go. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2052-9.

- [285] Ono I, Seike Y, Morishita R, Ono N, Matsui M. An Evolutionary Algorithm Taking Account of Mutual Interactions among Substances for Inference of Genetic Networks. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2060-7.
- [286] Noman N, Okada K, Hosoyama N, Iba H. Use of Clustering to Improve the Layout of Gene Network for Visualization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2068-75.
- [287] Paul T, Iba H. Selection of the Most Useful Subset of Genes for Gene Expression-Based Classification. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2076-83.
- [288] Koduru P, Das S, Welch S, Roe JL. A Multi-objective GA-Simplex Hybrid Approach for Gene Regulatory Network Models. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2084-91.
- [289] Song A, Ciesielski V. Texture Analysis by Genetic Programming. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2092-9.
- [290] Jang JS, Han KH, Kim JH. Face Detection using Quantum-inspired Evolutionary Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2100-6.
- [291] Treptow A, Zell A. Combining Adaboost Learning and Evolutionary Search to select Features for Real-Time Object Detection. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2107-13.
- [292] Miller D, Arguello R, Greenwood G. Evolving Artificial Neural Network Structures: Experimental Results for Biologically-Inspired Adaptive Mutations. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2114-9.
- [293] Chen H, guo Feng D. An Effective Evolutionary Strategy for Bijective S-boxes. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2120-3.
- [294] Hernandez JC, Isasi P. New results on the genetic cryptanalysis of TEA and reduced-round versions of XTEA. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2124-9.
- [295] Nedjah N, Mourelle L. Secure Evolutionary Hardware for Public-Key Cryptosystems. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2130-7.
- [296] Seredynski M, Bouvry P. Block Cipher based on Reversible Cellular Automata. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2138-43.
- [297] Legg S, Hutter M, Kumar A. Tournament versus Fitness Uniform Selection. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2144-51.
- [298] Dorronsoro B, Alba E, Giacobini M, Tomassini M. The Influence of Grid Shape and Asynchronicity on Cellular Evolutionary Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2152-8.
- [299] Takahashi O, Kobayashi S. An Angular Distance Dependent Alternation Model for Real-Coded Genetic Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2159-65.
- [300] Dengiz O, Dozier GV, Smith AE. Non-deterministic Decoding with Memory to Enhance Precision in Binary-Coded Genetic Algorithms. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2166-72.

- [301] S B, Alphones A, Suganthan PN. Concurrent PSO and FDR-PSO based reconfigurable Phase-Differentiated Antenna Array Design. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2173-9.
- [302] Hotz PE. Asymmetric cell division in artificial evolution. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2180-6.
- [303] Vighram S, Gallagher J. On the Relative Efficacies of Space Saving *CGAs for Evolvable Hardware Applications. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2187-93.
- [304] Khan MHA, Perkowski MA. Genetic Algorithm Based Synthesis of Multi-Output Ternary Functions Using Quantum Cascade of Generalized Ternary Gates. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2194-201.
- [305] Kamio S, Iba H. Evolutionary Construction of a Simulator for Real Robots. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2202-9.
- [306] Lucidarme P. An Evolutionary Algorithm for Multi-Robot Unsupervised Learning. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2210-5.
- [307] Parker G. Partial Recombination for the Co-Evolution of Model Parameters. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2216-23.
- [308] Nojima Y, Kubota N, Kojima F. Trajectory Generation and Accumulation for Partner Robots based on Structured Learning. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2224-9.
- [309] Tang K, Suganthan PN, Yao X. Generalized Lda Using Relevance Weighting and Evolution Strategy. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2230-4.
- [310] Stanhope S. Evolution Strategies for Multivariate-to-Anything Partially Specified Random Vector Generation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2235-40.
- [311] Tulai A, Oppacher F. Maintaining Diversity and Increasing the Accuracy of Classification Rules through Automatic Speciation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2241-9.
- [312] Goldstein M, Yen G. An Evolutionary Algorithm Method for Sampling N-Partite Graphs. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2250-7.
- [313] Lichodziejewski P, Zincir-Heywood N, Heywood M. Cascaded GP Models for Data Mining. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2258-64.
- [314] Uyar AS, Uyar HT. An Event-Driven Test Framework for Evolutionary Algorithms in Dynamic Environments. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2265-72.
- [315] Ashlock D, Bryden K. Evolutionary Control of Lsystem Interpretation. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2273-9.
- [316] Zhang J, s h Chung H, Hu BJ. Adaptive Probabilities of Crossover and Mutation in Genetic Algorithms Based on Clustering Technique. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2280-7.

- [317] Czarn A, MacNish C, Vijayan K, Turlach B. Statistical Exploratory Analysis of Genetic Algorithms: The Importance of Interaction. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2288-95.
- [318] Nakamura M, Yamashiro N, Gong Y. Iterative Parallel and Distributed Genetic Algorithms with Biased Initial Population. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2296-301.
- [319] Xu Y, Salcedo-Sanz S, Yao X. Non-standard Cost Terminal Assignment Problems Using Tabu Search Approach. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2302-6.
- [320] Zhang WJ, Xie XF, Bi DC. Handling Boundary Constraints for Numrical Optimization by Particle Swarm Flying in Periodic Search Space. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2307-11.
- [321] Tanev I, Ray T, Buller A. Evolutionary Design, Robustness and Adaptation of Sidewinding Locomotion of Simulated Libmless Wheelless Robot. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2312-9.
- [322] Fan Z, Goodman E, Jiachuan W, Ronald R, Kisung S, Jianjun H. Hierarchical Evolutionary Synthesis of MEMS. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2320-7.
- [323] Yapicioglu H, Dozier GV, Smith AE. Bi-criteria model for Locating a Semi-desirable Facility on a Plane Using Particle Swarm Optimization. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2328-34.
- [324] Zou P, Zhou Z, Chen G, Yao X. A Novel Memetic Algorithm with Random Multi-local-search: A case study of TSP. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2335-40.
- [325] De Jong E. Towards a Bounded Pareto-Coevolution Archive. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2341-8.
- [326] Chang M, Ohkura K, Ueda K, Sugiyama M. Modeling Coevolutionary Genetic Algorithms on Two-Bit Landscapes: Partnering Strategies. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2349-56.
- [327] Hughes E. Swarm Guidance using a Multi-Objective Co-evolutionary On-Line Evolutionary Algorithm. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2357-63.
- [328] Brewster J, Reynolds RG. Alternative Fuel Adoption. In: Proceedings of the 2004 IEEE Congress on Evolutionary Computation. Portland, Oregon: IEEE Press; 2004. p. 2364-71.