

Список литературы

- [1] Agogino Adrian, Tumer Kagan. Efficient Evaluation Functions for Multi-rover Systems in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1–11Springer-Verlag 2004.
- [2] Brabazon Anthony, Silva Arlindo, Sousa Tiago Ferra, O'Neill Michael, Matthews Robin, Costa Ernesto. A Particle Swarm Model of Organizational Adaptation in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):12–23Springer-Verlag 2004.
- [3] Bui Thang N., Rizzo Joseph R.. Finding Maximum Cliques with Distributed Ants in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):24–35Springer-Verlag 2004.
- [4] Bui Thang N., Sundarraj Gnanasekaran. Ant System for the k-Cardinality Tree Problem in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):36–47Springer-Verlag 2004.
- [5] Chitty Darren M., Hernandez Marcel L.. A Hybrid Ant Colony Optimisation Technique for Dynamic Vehicle Routing in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):48–59Springer-Verlag 2004.
- [6] Cornforth David, Kirley Michael. Cooperative Problem Solving Using an Agent-Based Market in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):60–71Springer-Verlag 2004.
- [7] Curran Dara, O'Riordan Colm. Cultural Evolution for Sequential Decision Tasks: Evolving Tic-Tac-Toe Players in Multi-agent Systems in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):72–80Springer-Verlag 2004.
- [8] Downing Keith L.. Artificial Life and Natural Intelligence in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):81–92Springer-Verlag 2004.
- [9] Kowaliw T., Grogono P., Kharma N.. Bluenome: A Novel Developmental Model of Artificial Morphogenesis in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):93–104Springer-Verlag 2004.
- [10] Li Xiaodong. Adaptively Choosing Neighbourhood Bests Using Species in a Particle Swarm Optimizer for Multimodal Function Optimization in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):105–116Springer-Verlag 2004.
- [11] Li Xiaodong. Better Spread and Convergence: Particle Swarm Multiobjective Optimization Using the Maximin Fitness Function in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):117–128Springer-Verlag 2004.
- [12] Miller Julian Francis. Evolving a Self-Repairing, Self-Regulating, French Flag Organism in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):129–139Springer-Verlag 2004.

- [13] Monson Christopher K., Seppi Kevin D.. The Kalman Swarm: A New Approach to Particle Motion in Swarm Optimization in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):140–150Springer-Verlag 2004.
- [14] Nakano Tadashi, Suda Tatsuya. Adaptive and Evolvable Network Services in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):151–162Springer-Verlag 2004.
- [15] O'Neill Michael, Brabazon Anthony. Grammatical Swarm in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):163–174Springer-Verlag 2004.
- [16] Sapin Emmanuel, Bailleux Olivier, Chabrier Jean-Jacques, Collet Pierre. A New Universal Cellular Automaton Discovered by Evolutionary Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):175–187Springer-Verlag 2004.
- [17] Semet Yann, O'Reilly Una-May, Durand Frédo. An Interactive Artificial Ant Approach to Non-photorealistic Rendering in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):188–200Springer-Verlag 2004.
- [18] Talbott Walter A.. Automatic Creation of Team-Control Plans Using an Assignment Branch in Genetic Programming in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):201–212Springer-Verlag 2004.
- [19] Tanev Ivan, Yuta Kikuo. Implications of Epigenetic Learning Via Modification of Histones on Performance of Genetic Programming in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):213–224Springer-Verlag 2004.
- [20] Pulido Gregorio Toscano, Coello Carlos A. Coello. Using Clustering Techniques to Improve the Performance of a Multi-objective Particle Swarm Optimizer in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):225–237Springer-Verlag 2004.
- [21] Xie Xiao-Feng, Zhang Wen-Jun. SWAF: Swarm Algorithm Framework for Numerical Optimization in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):238–250Springer-Verlag 2004.
- [22] Berro Alain, Sanchez Stephane. Autonomous Agent for Multi-objective Optimization in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):251–252Springer-Verlag 2004.
- [23] Chitty Darren M.. An Evolved Autonomous Controller for Satellite Task Scheduling in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):253–254Springer-Verlag 2004.
- [24] Dignum Stephen, Poli Riccardo. Multi-agent Foreign Exchange Market Modelling Via GP in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):255–256Springer-Verlag 2004.

- [25] Drewes Rich, Maciokas James, Louis Sushil J., Goodman Philip. An Evolutionary Autonomous Agent with Visual Cortex and Recurrent Spiking Columnar Neural Network in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):257–258Springer-Verlag 2004.
- [26] Gómez Osvaldo, Barán Benjamin. Arguments for ACO’s Success in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):259–260Springer-Verlag 2004.
- [27] Xie Xiao-Feng, Zhang Wen-Jun. Solving Engineering Design Problems by Social Cognitive Optimization in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):261–262Springer-Verlag 2004.
- [28] Dozier Gerry, Brown Douglas, Hurley John, Cain Krystal. Vulnerability Analysis of Immunity-Based Intrusion Detection Systems Using Evolutionary Hackers in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):263–274Springer-Verlag 2004.
- [29] Hang Xiaoshu, Dai Honghua. Constructing Detectors in Schema Complementary Space for Anomaly Detection in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):275–286Springer-Verlag 2004.
- [30] Ji Zhou, Dasgupta Dipankar. Real-Valued Negative Selection Algorithm with Variable-Sized Detectors in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):287–298Springer-Verlag 2004.
- [31] Stibor Thomas, Bayarou Kpatscha M., Eckert Claudia. An Investigation of R-Chunk Detector Generation on Higher Alphabets in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):299–307Springer-Verlag 2004.
- [32] Timmis Jon, Edmonds Camilla. A Comment on Opt-AiNET: An Immune Network Algorithm for Optimisation in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):308–317Springer-Verlag 2004.
- [33] Qi Zhen, Song Shen, Yang Zhao, Hu Guang, Zhang Fu. A Novel Immune Feedback Control Algorithm and Its Applications in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):318–320Springer-Verlag 2004.
- [34] Belda Ignasi, Llorà Xavier, Martinell Marc, Tarragó Teresa, Giralt Ernest. Computer-Aided Peptide Evolution for Virtual Drug Design in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):321–332Springer-Verlag 2004.
- [35] Bongard Josh C., Lipson Hod. Automating Genetic Network Inference with Minimal Physical Experimentation Using Coevolution in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):333–345Springer-Verlag 2004.
- [36] Kim Yong-Hyuk, Lee Su-Yeon, Moon Byung-Ro. A Genetic Approach for Gene Selection on Microarray Expression Data in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):346–355Springer-Verlag 2004.

- [37] Koduru Praveen, Das Sanjoy, Welch Stephen, Roe Judith L.. Fuzzy Dominance Based Multi-objective GA-Simplex Hybrid Algorithms Applied to Gene Network Models in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):356–367Springer-Verlag 2004.
- [38] Magalhães Camila S., Barbosa Helio J.C., Dardenne Laurent E.. Selection-Insertion Schemes in Genetic Algorithms for the Flexible Ligand Docking Problem in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):368–379Springer-Verlag 2004.
- [39] Mauri Giancarlo, Mosca Roberto, Pavesi Giulio. A GA Approach to the Definition of Regulatory Signals in Genomic Sequences in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):380–391Springer-Verlag 2004.
- [40] Moore Jason H., Hahn Lance W.. Systems Biology Modeling in Human Genetics Using Petri Nets and Grammatical Evolution in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):392–401Springer-Verlag 2004.
- [41] Parsopoulos K.E., Papageorgiou E.I., Groumpos P.P., Vrahatis M.N.. Evolutionary Computation Techniques for Optimizing Fuzzy Cognitive Maps in Radiation Therapy Systems in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):402–413Springer-Verlag 2004.
- [42] Paul Topon Kumar, Iba Hitoshi. Identification of Informative Genes for Molecular Classification Using Probabilistic Model Building Genetic Algorithm in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):414–425Springer-Verlag 2004.
- [43] Peterson Michael R., Doom Travis E., Raymer Michael L.. GA-Facilitated Knowledge Discovery and Pattern Recognition Optimization Applied to the Biochemistry of Protein Solvation in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):426–437Springer-Verlag 2004.
- [44] Ritchie Marylyn D., Coffey Christopher S., Moore Jason H.. Genetic Programming Neural Networks as a Bioinformatics Tool for Human Genetics in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):438–448Springer-Verlag 2004.
- [45] Sheneman Luke, Foster James A.. Evolving Better Multiple Sequence Alignments in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):449–460Springer-Verlag 2004.
- [46] Spieth Christian, Streichert Felix, Speer Nora, Zell Andreas. Optimizing Topology and Parameters of Gene Regulatory Network Models from Time-Series Experiments in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):461–470Springer-Verlag 2004.
- [47] Streichert Felix, Planatscher Hannes, Spieth Christian, Ulmer Holger, Zell Andreas. Comparing Genetic Programming and Evolution Strategies on Inferring Gene Regulatory Networks in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):471–480Springer-Verlag 2004.

- [48] Yang Jinn-Moon, Shen Tsai-Wei, Chen Yen-Fu, Chiu Yi-Yuan. An Evolutionary Approach with Pharmacophore-Based Scoring Functions for Virtual Database Screening in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):481–492Springer-Verlag 2004.
- [49] Aguilar-Ruiz Jesus S., Mateos Daniel, Giraldez Raul, Riquelme Jose C.. Statistical Test-Based Evolutionary Segmentation of Yeast Genome in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):493–494Springer-Verlag 2004.
- [50] Buehler Erik C., Das Sanjoy, Cully Jack F.. Equilibrium and Extinction in a Trisexual Diploid Mating System: An Investigation in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):495–496Springer-Verlag 2004.
- [51] Burns Daniel J., May Kevin T.. On Parameterizing Models of Antigen-Antibody Binding Dynamics on Surfaces: A Genetic Algorithm Approach and the Need for Speed in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):497–498Springer-Verlag 2004.
- [52] Just Winfried, Sun Xiaolu. Is the Predicted ESS in the Sequential Assessment Game Evolvable? in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):499–500Springer-Verlag 2004.
- [53] Bucci Anthony, Pollack Jordan B., Jong Edwin. Automated Extraction of Problem Structure in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):501–512Springer-Verlag 2004.
- [54] Chang Ming, Ohkura Kazuhiro, Ueda Kanji, Sugiyama Masaharu. Modeling Coevolutionary Genetic Algorithms on Two-Bit Landscapes: Random Partnering in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):513–524Springer-Verlag 2004.
- [55] Jong Edwin D.. The Incremental Pareto-Coevolution Archive in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):525–536Springer-Verlag 2004.
- [56] Iorio Antony W., Li Xiaodong. A Cooperative Coevolutionary Multiobjective Algorithm Using Non-dominated Sorting in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):537–548Springer-Verlag 2004.
- [57] Liekens Anthony M.L., Eikelder Huub M.M., Hilbers Peter A.J.. Predicting Genetic Drift in 2x2 Games in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):549–560Springer-Verlag 2004.
- [58] Palacios-Durazo Ramón Alfonso, Valenzuela-Rendón Manuel. Similarities Between Co-evolution and Learning Classifier Systems and Their Applications in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):561–572Springer-Verlag 2004.

- [59] Panait Liviu, Wiegand R. Paul, Luke Sean. A Sensitivity Analysis of a Cooperative Coevolutionary Algorithm Biased for Optimization in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):573–584Springer-Verlag 2004.
- [60] Bader-Natal Ari, Pollack Jordan B.. A Population-Differential Method of Monitoring Success and Failure in Coevolution in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):585–586Springer-Verlag 2004.
- [61] Nadimi Sohail, Bhanu Bir. Cooperative Coevolution Fusion for Moving Object Detection in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):587–589Springer-Verlag 2004.
- [62] Inoue Yutaka, Tohge Takahiro, Iba Hitoshi. Learning to Acquire Autonomous Behavior: Cooperation by Humanoid Robots in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):590–602Springer-Verlag 2004.
- [63] Paine Rainer W., Tani Jun. Evolved Motor Primitives and Sequences in a Hierarchical Recurrent Neural Network in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):603–614Springer-Verlag 2004.
- [64] Pires E.J. Solteiro, Machado J.A. Tenreiro, Moura Oliveira P.B.. Robot Trajectory Planning Using Multi-objective Genetic Algorithm Optimization in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):615–626Springer-Verlag 2004.
- [65] Tanev Ivan, Ray Thomas, Buller Andrzej. Evolution, Robustness, and Adaptation of Sidewinding Locomotion of Simulated Snake-Like Robot in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):627–639Springer-Verlag 2004.
- [66] Maniadakis Michail, Trahanias Panos. Evolution Tunes Coevolution: Modelling Robot Cognition Mechanisms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):640–641Springer-Verlag 2004.
- [67] Albrecht Andreas A.. On the Complexity to Approach Optimum Solutions by Inhomogeneous Markov Chains in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):642–653Springer-Verlag 2004.
- [68] Beyer Hans-Georg. Actuator Noise in Recombinant Evolution Strategies on General Quadratic Fitness Models in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):654–665Springer-Verlag 2004.
- [69] Clevenger Lauren M., Hart William E.. Convergence Examples of a Filter-Based Evolutionary Algorithm in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):666–677Springer-Verlag 2004.
- [70] Delbem A.C.B., Carvalho Andre, Policastro Claudio A., Pinto Adriano K.O., Honda Karen, Garcia Anderson C.. Node-Depth Encoding for Evolutionary Algorithms Applied to Network Design in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):678–687Springer-Verlag 2004.

- [71] Jin Yaochu, Sendhoff Bernhard. Reducing Fitness Evaluations Using Clustering Techniques and Neural Network Ensembles in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):688–699Springer-Verlag 2004.
- [72] Mezura-Montes Efrén, Coello Carlos A. Coello. An Improved Diversity Mechanism for Solving Constrained Optimization Problems Using a Multimembered Evolution Strategy in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):700–712Springer-Verlag 2004.
- [73] Neumann Frank, Wegener Ingo. Randomized Local Search, Evolutionary Algorithms, and the Minimum Spanning Tree Problem in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):713–724Springer-Verlag 2004.
- [74] Rowe Jonathan E., Hidović D. An Evolution Strategy Using a Continuous Version of the Gray-Code Neighbourhood Distribution in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):725–736Springer-Verlag 2004.
- [75] Shu Li-Sun, Ho Shinn-Jang, Ho Shinn-Ying, Chen Jian-Hung, Hung Ming-Hao. A Novel Multi-objective Orthogonal Simulated Annealing Algorithm for Solving Multi-objective Optimization Problems with a Large Number of Parameters in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):737–747Springer-Verlag 2004.
- [76] Storch Tobias. On the Choice of the Population Size in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):748–760Springer-Verlag 2004.
- [77] Witt Carsten. An Analysis of the (1+1) EA on Simple Pseudo-Boolean Functions in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):761–773Springer-Verlag 2004.
- [78] Yanai Kohsuke, Iba Hitoshi. Program Evolution by Integrating EDP and GP in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):774–785Springer-Verlag 2004.
- [79] Berlik Stefan. A Step Size Preserving Directed Mutation Operator in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):786–787Springer-Verlag 2004.
- [80] Grosan Crina. A Comparison of Several Algorithms and Representations for Single Objective Optimization in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):788–789Springer-Verlag 2004.
- [81] Jakob Wilfried, Blume Christian, Bretthauer Georg. Towards a Generally Applicable Self-Adapting Hybridization of Evolutionary Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):790–791Springer-Verlag 2004.
- [82] Keymeulen Didier, Zebulum Ricardo, Duong Vu, Guo Xin, Ferguson Ian, Stoica Adrian. High Temperature Experiments for Circuit Self-Recovery in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):792–803Springer-Verlag 2004.

- [83] Rieffel John, Pollack Jordan. The Emergence of Ontogenic Scaffolding in a Stochastic Development Environment in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):804–815Springer-Verlag 2004.
- [84] Thoma Yann, Sanchez Eduardo. A Reconfigurable Chip for Evolvable Hardware in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):816–827Springer-Verlag 2004.
- [85] Aguilar-Ruiz Jesus, Bacardit Jaume, Divina Federico. Experimental Evaluation of Discretization Schemes for Rule Induction in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):828–839Springer-Verlag 2004.
- [86] Ahn Chang Wook, Ramakrishna R.S., Goldberg David E.. Real-Coded Bayesian Optimization Algorithm: Bringing the Strength of BOA into the Continuous World in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):840–851Springer-Verlag 2004.
- [87] Alba Enrique, Chicano J. Francisco. Training Neural Networks with GA Hybrid Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):852–863Springer-Verlag 2004.
- [88] Alba Enrique, Luque Gabriel. Growth Curves and Takeover Time in Distributed Evolutionary Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):864–876Springer-Verlag 2004.
- [89] Apornthewan Chatchawit, Chongstitvatana Prabhas. Simultaneity Matrix for Solving Hierarchically Decomposable Functions in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):877–888Springer-Verlag 2004.
- [90] Araujo Lourdes, Luque Gabriel, Alba Enrique. Metaheuristics for Natural Language Tagging in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):889–900Springer-Verlag 2004.
- [91] Ballester Pedro J., Carter Jonathan N.. An Effective Real-Parameter Genetic Algorithm with Parent Centric Normal Crossover for Multimodal Optimisation in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):901–913Springer-Verlag 2004.
- [92] Bassett Jeffrey K., Potter Mitchell A., Jong Kenneth A. De. Looking Under the EA Hood with Price’s Equation in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):914–922Springer-Verlag 2004.
- [93] Branke Jürgen, Kamper Andreas, Schmeck Hartmut. Distribution of Evolutionary Algorithms in Heterogeneous Networks in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):923–934Springer-Verlag 2004.
- [94] Buyukbozkirli Bulent, Goodman Erik D.. A Statistical Model of GA Dynamics for the OneMax Problem in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):935–946Springer-Verlag 2004.

- [95] Cantú-Paz Erick. Adaptive Sampling for Noisy Problems in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):947–958Springer-Verlag 2004.
- [96] Cantú-Paz Erick. Feature Subset Selection, Class Separability, and Genetic Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):959–970Springer-Verlag 2004.
- [97] Chen Ying, Goldberg David E.. Introducing Subchromosome Representations to the Linkage Learning Genetic Algorithm in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):971–982Springer-Verlag 2004.
- [98] Cheng Chihyung Derrick, Kosorukoff Alexander. Interactive One-Max Problem Allows to Compare the Performance of Interactive and Human-Based Genetic Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):983–993Springer-Verlag 2004.
- [99] Choi Sung-Soon, Moon Byung-Ro. Polynomial Approximation of Survival Probabilities Under Multi-point Crossover in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):994–1005Springer-Verlag 2004.
- [100] Chow Rick. Genotype to Phenotype Mappings with a Multiple-Chromosome Genetic Algorithm in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1006–1017Springer-Verlag 2004.
- [101] Chrysomalakos Chrysomalis, Stephens Christopher R.. What Basis for Genetic Dynamics? in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1018–1029Springer-Verlag 2004.
- [102] Jong Edwin D., Thierens Dirk. Exploiting Modularity, Hierarchy, and Repetition in Variable-Length Problems in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1030–1041Springer-Verlag 2004.
- [103] Deb Kalyanmoy, Gupta Naveen Kumar. Optimal Operating Conditions for Overhead Crane Maneuvering Using Multi-objective Evolutionary Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1042–1053Springer-Verlag 2004.
- [104] Deb Kalyanmoy, Pal Koushik. Efficiently Solving: A Large-Scale Integer Linear Program Using a Customized Genetic Algorithm in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1054–1065Springer-Verlag 2004.
- [105] Dicke Elizabeth, Byde Andrew, Layzell Paul, Cliff Dave. Using a Genetic Algorithm to Design and Improve Storage Area Network Architectures in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1066–1077Springer-Verlag 2004.
- [106] Dozier Gerry, Cunningham Hurley, Britt Winard, Zhang Funing. Distributed Constraint Satisfaction, Restricted Recombination, and Hybrid Genetic Search in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1078–1087Springer-Verlag 2004.

- [107] Droste Stefan. Analysis of the $(1 + 1)$ EA for a Noisy OneMax in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1088–1099Springer-Verlag 2004.
- [108] Fischer Simon. A Polynomial Upper Bound for a Mutation-Based Algorithm on the Two-Dimensional Ising Model in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1100–1112Springer-Verlag 2004.
- [109] Fischer Simon, Wegener Ingo. The Ising Model on the Ring: Mutation Versus Recombination in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1113–1124Springer-Verlag 2004.
- [110] Garibay Ivan I., Garibay Ozlem O., Wu Annie S.. Effects of Module Encapsulation in Repetitively Modular Genotypes on the Search Space in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1125–1137Springer-Verlag 2004.
- [111] Giacobini Mario, Alba Enrique, Tettamanzi Andrea, Tomassini Marco. Modeling Selection Intensity for Toroidal Cellular Evolutionary Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1138–1149Springer-Verlag 2004.
- [112] Gomez Jonatan. Evolution of Fuzzy Rule Based Classifiers in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1150–1161Springer-Verlag 2004.
- [113] Gomez Jonatan. Self Adaptation of Operator Rates in Evolutionary Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1162–1173Springer-Verlag 2004.
- [114] Grahl Jörn, Rothlauf Franz. PolyEDA: Combining Estimation of Distribution Algorithms and Linear Inequality Constraints in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1174–1185Springer-Verlag 2004.
- [115] Grajdeanu Adrian, Jong Kenneth De. Improving the Locality Properties of Binary Representations in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1186–1196Springer-Verlag 2004.
- [116] Greene William A.. Schema Disruption in Chromosomes That Are Structured as Binary Trees in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1197–1207Springer-Verlag 2004.
- [117] Howard Brian, Sheppard John. The Royal Road Not Taken: A Re-examination of the Reasons for GA Failure on R1 in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1208–1219Springer-Verlag 2004.
- [118] Hu Jianjun, Goodman Erik. Robust and Efficient Genetic Algorithms with Hierarchical Niching and a Sustainable Evolutionary Computation Model in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1220–1232Springer-Verlag 2004.

- [119] Huang Chien-Feng, Rocha Luis M.. A Systematic Study of Genetic Algorithms with Genotype Editing in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1233–1245Springer-Verlag 2004.
- [120] Ishibuchi Hisao, Narukawa Kaname. Some Issues on the Implementation of Local Search in Evolutionary Multiobjective Optimization in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1246–1258Springer-Verlag 2004.
- [121] Ishibuchi Hisao, Shibata Youhei. Mating Scheme for Controlling the Diversity-Convergence Balance for Multiobjective Optimization in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1259–1271Springer-Verlag 2004.
- [122] Julstrom Bryant A.. Encoding Bounded-Diameter Spanning Trees with Permutations and with Random Keys in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1272–1281Springer-Verlag 2004.
- [123] Julstrom Bryant A., Antoniadis Athos. Three Evolutionary Codings of Rectilinear Steiner Arborescences in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1282–1291Springer-Verlag 2004.
- [124] Jung Soonchul, Moon Byung-Ro. Central Point Crossover for Neuro-genetic Hybrids in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1292–1303Springer-Verlag 2004.
- [125] Klau Gunnar W., Ljubic Ivana, Moser Andreas, et al. Combining a Memetic Algorithm with Integer Programming to Solve the Prize-Collecting Steiner Tree Problem in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1304–1315Springer-Verlag 2004.
- [126] Langeheine Jörg, Trefzer Martin, Brüderle Daniel, Meier Karlheinz, Schemmel Johannes. On the Evolution of Analog Electronic Circuits Using Building Blocks on a CMOS FPTA in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1316–1327Springer-Verlag 2004.
- [127] Lima Cláudio F., Lobo Fernando G.. Parameter-Less Optimization with the Extended Compact Genetic Algorithm and Iterated Local Search in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1328–1339Springer-Verlag 2004.
- [128] Lunacek Monte, Whitley Darrell, Gabriel Philip, Stephens Graeme. Comparing Search Algorithms for the Temperature Inversion Problem in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1340–1351Springer-Verlag 2004.
- [129] Menon Anil. Inequality’s Arrow: The Role of Greed and Order in Genetic Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1352–1364Springer-Verlag 2004.
- [130] Miles Chris, Louis Sushil J., Drewes Rich. Trap Avoidance in Strategic Computer Game Playing with Case Injected Genetic Algorithms in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1365–1376Springer-Verlag 2004.

- [131] Moraglio Alberto, Poli Riccardo. Topological Interpretation of Crossover in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1377–1388Springer-Verlag 2004.
- [132] Mumford Christine L.. Simple Population Replacement Strategies for a Steady-State Multi-objective Evolutionary Algorithm in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1389–1400Springer-Verlag 2004.
- [133] Nasraoui Olfa, Rojas Carlos, Cardona Cesar. Dynamic and Scalable Evolutionary Data Mining: An Approach Based on a Self-Adaptive Multiple Expression Mechanism in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1401–1413Springer-Verlag 2004.
- [134] Nicolau Miguel, Ryan Conor. Crossover, Population Dynamics, and Convergence in the GAuGE System in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1414–1425Springer-Verlag 2004.
- [135] Ohnishi Kei, Sastry Kumara, Chen Ying-Ping, Goldberg David E.. Inducing Sequentiality Using Grammatical Genetic Codes in *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb Kalyanmoy, Poli Riccardo, Banzhaf Wolfgang, et al. , eds.);3102 of *Lecture Notes in Computer Science*(Seattle, WA, USA):1426–1437Springer-Verlag 2004.