

Список литературы

- [1] Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds. *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* IEEE Press 2002.
- [2] Meade Andrew, Corne David, Sibly Richard. Discovering Patterns in Microsatellite Flanks with Evolutionary Computation by Evolving Discriminatory DNA Motifs in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1–6 IEEE Press 2002.
- [3] Anastasoff Stevan J.. The Presence of Old Alus in GC-Rich Regions of the Human Genome - A Genetic Algorithm Perspective in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):7–12 IEEE Press 2002.
- [4] Ashlock Dan, Wittrock Andrew, Wen Tsui-Jung. Training Finite State Machines to Improve PCR Primer Design in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):13–18 IEEE Press 2002.
- [5] Matsumaru Naoki, Colombano Silvano, Zauner Klaus-Peter. Scouting Enzyme Behavior in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):19–24 IEEE Press 2002.
- [6] Yen Gary G., Lu Haiming. Hierarchical Rank Density Genetic Algorithm for Radial-Basis Function Neural Network Design in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):25–30 IEEE Press 2002.
- [7] Tan K. C., Sengupta K., Lee T. H., Sathikannan R.. Autonomous Registration of Disparate Spatial Data Via an Evolutionary Algorithm Toolbox in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):31–36 IEEE Press 2002.
- [8] Thomson Robert, Arslan Tughrul. An Evolutionary Algorithm for the Multi-objective Optimisation of VLSI Primitive Operator Filters in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):37–42 IEEE Press 2002.
- [9] Gan Justin, Warwick Kevin. Modelling Niches of Arbitrary Shape in Genetic Algorithms using Niche Linkage in the Dynamic Niche Clustering Framework in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):43–48 IEEE Press 2002.
- [10] Hu Jianjun, Goodman Erik D.. The Hierarchical Fair Competition (HFC) Model for Parallel Evolutionary Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):49–54 IEEE Press 2002.
- [11] Droste Stefan. Analysis of the (1+1) EA for a Dynamically Changing OneMax-Variant in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):55–60 IEEE Press 2002.
- [12] Deb Kalyanmoy, Joshi Dhiraj, Anand Ashish. Real-Coded Evolutionary Algorithms with Parent-Centric Recombination in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):61–66 IEEE Press 2002.
- [13] Ciesielski Vic, Mawhinney Dylan. Prevention of Early Convergence in Genetic Programming by Replacement of Similar Programs in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):67–72 IEEE Press 2002.

- [14] Tanaka Fumiaki, Nakatsugawa Masashi, Yamamoto Masahito, Shiba Toshikazu, Ohuchi Azuma. Towards a General-Purpose Sequence Design System in DNA Computing in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):73–78IEEE Press 2002.
- [15] Shin Soo-Yong, Kim Dong-Min, Lee In-Hee, Zhang Byoung-Tak. Evolutionary Sequence Generation for Reliable DNA Computing in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):79–84IEEE Press 2002.
- [16] Yamamoto Masahito, Kameda Atsushi, Matsuura Nobuo, Shiba Toshikazu, Ohuchi Azuma. Simulation Analysis of Hybridization Process for DNA Computing with Concentration Control in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):85–90IEEE Press 2002.
- [17] Nakatsugawa Masashi, Yamamoto Masahito, Shiba Toshikazu, Ohuchi Azuma. Design of a PCR Protocol for Improving Reliability of PCR in DNA Computing in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):91–96IEEE Press 2002.
- [18] Costa Lino, Oliveira Pedro. An Evolution Strategy for Multiobjective Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):97–102IEEE Press 2002.
- [19] Caswell David J., Lamont Gary B.. Wire-Antenna Geometry Design with Multiobjective Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):103–108IEEE Press 2002.
- [20] Socha Krzysztof, Kisiel-Dorohinicki Marek. Agent-based Evolutionary Multiobjective Optimisation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):109–114IEEE Press 2002.
- [21] Pullan W.. Optimising Multiple Aspects of Network Survivability in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):115–120IEEE Press 2002.
- [22] Thomsen René, Fogel Gary B., Krink Thiemo. A Clustal Alignment Improver Using Evolutionary Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):121–126IEEE Press 2002.
- [23] Day Richard O., Zydallis Jesse B., Lamont Gary, Pachter Ruth. Analysis of Fine Granularity and Building Block Sizes in the Parallel Fast Messy GA in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):127–132IEEE Press 2002.
- [24] Rowland Jem J., Taylor Janet. Adaptive Denoising in Spectral Analysis by Genetic Programming in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):133–138IEEE Press 2002.
- [25] Volkert L. Gwenn. Levels of Adaptation: Insights into Survival in Dynamic Environments in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):139–144IEEE Press 2002.
- [26] Bendtsen Claus N., Krink Thiemo. Dynamic Memory Model for Non-Stationary Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):145–150IEEE Press 2002.
- [27] Mueller Sibylle D., Schraudolph Nicol N., Koumoutsakos Petros D.. Step Size Adaptation in Evolution Strategies using Reinforcement Learning in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):151–156IEEE Press 2002.

- [28] Wiles Janet, Tonkes Bradley. Visualisation of Hierarchical Cost Surfaces for Evolutionary Computing in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):157–162IEEE Press 2002.
- [29] Lee Seung-Ik, Cho Sung-Bae. Measuring Evolvability in Evolutionary Robotics in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):163–168IEEE Press 2002.
- [30] Tsui Kwok Ching, Liu Jiming. Evolutionary Diffusion Optimization, Part I: Description of the Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):169–174IEEE Press 2002.
- [31] Madureira Ana, Ramos Carlos, do Carmo Silva Si'lvio. A Coordination Mechanism for Real World Scheduling Problems Using Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):175–180IEEE Press 2002.
- [32] Kacprzyk Janusz, Szkatula Grazyna. An Integer Programming Approach to Inductive Learning Using Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):181–186IEEE Press 2002.
- [33] Land, Jr. Walker H., Bryden Margaret, McKee Daniel W., Lo Joseph Y., Anderson Frances R.. Performance Tradeoff Between Evolutionary Computation (EC)/Adaptive Boosting (AB) Hybrid and Support Vector Machine Breast Cancer Classification Paradigms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):187–192IEEE Press 2002.
- [34] Watts Michael, Major Louise, Tate Warren. Evolutionary Optimisation of MLP for Modeling Protein Synthesis Termination Signal Efficiency in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):193–198IEEE Press 2002.
- [35] Landavazo Dana, Fogel Gary B.. Evolved Neural Networks for Quantitative Structure-Activity Relationships of Anti-HIV Compounds in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):199–204IEEE Press 2002.
- [36] Geard Nicholas, Wiles Janet, Hallinan Jennifer, Tonkes Bradley, Skellett Ben. A Comparison of Neutral Landscapes - NK, NKp and NKq in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):205–210IEEE Press 2002.
- [37] Geard Nicholas, Wiles Janet. Diversity Maintenance on Neutral Landscapes - An Argument for Recombination in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):211–213IEEE Press 2002.
- [38] Wright Alden H., Rowe Jonathan E., Neil James R.. Analysis of the Simple Genetic Algorithm on the Single-peak and Double-peak Landscapes in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):214–219IEEE Press 2002.
- [39] Jeong Hyeon-Kuk, Oh Se-Young. Evolutionary Programming Integrating 3-Generation Based Mutation and Local Competition Based Selection in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):220–224IEEE Press 2002.
- [40] Lindblad Fredrik, Nordin Peter, Wolff Krister. Evolving 3D model interpretation of images using graphics hardware in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):225–230IEEE Press 2002.

- [41] De Falco Ivanoe, Cioppa Antonio Della, Tarantino Ernesto. Unsupervised Spectral Pattern Recognition for Multispectral Images by means of a Genetic Programming approach in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):231–236IEEE Press 2002.
- [42] Yuizono Takaya, Wang Yu, Satoh Kiminori, Nakayama Shigeru. Study on Individual Recognition for Ear Images by using Genetic Local Search in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):237–242IEEE Press 2002.
- [43] Song Andy, Ciesielski Vic, Williams Hugh. Texture Classifiers Generated by Genetic Programming in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):243–248IEEE Press 2002.
- [44] Clergue Manuel, Collard Philippe. GA-Hard Functions Built by Combination of Trap Functions in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):249–254IEEE Press 2002.
- [45] Mahnig Thilo, Muehlenbein Heinz. A Comparison of Stochastic Local Search and Population Based Search in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):255–260IEEE Press 2002.
- [46] Kim Nam Geun, Won Jin M., Lee Jin S., Kim S. W.. Local Convergence Rate of Evolutionary Algorithm with Combined Mutation Operator in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):261–266IEEE Press 2002.
- [47] Iwashita Makoto, Iba Hitoshi. Island Model GP with Immigrants Aging and Depth-Dependent Crossover in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):267–272IEEE Press 2002.
- [48] Daida Jason M.. Limits to Expression in Genetic Programming: Lattice-Aggregate Modeling in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):273–278IEEE Press 2002.
- [49] Runarsson Thomas Philip, Yao Xin. Continuous Selection and Self-Adaptive Evolution Strategies in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):279–284IEEE Press 2002.
- [50] Yasunaga Moritoshi, Ushiyama Kentaro, Fujiwara Hidetoshi, Yoshihara Ikuo, Kim Jung H., Aibe Noriyuki. An Evolutionary Kernel-Based Reasoning System Using Reconfigurable VLSIs: Its Hardware Prototyping and Application to the Splicing Boundary Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):285–290IEEE Press 2002.
- [51] Ando Shin, Iba Hitoshi, Sakamoto Erina. Modeling Genetic Network by Hybrid GP in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):291–296IEEE Press 2002.
- [52] Liu Juan, Iba Hitoshi. Selecting Informative Genes Using a Multiobjective Evolutionary Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):297–302IEEE Press 2002.
- [53] Ono Isao, Fujiki Hiroshi, Ootsuka Masaki, Nakashima Naoto, Ono Norihiko, Tate Shinichi. Global Optimization of Protein 3-Dimensional Structures in NMR by a Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):303–308IEEE Press 2002.
- [54] Nguyen H. D., Yoshihara I., Yamamori K., Yasunaga M.. A Parallel Hybrid Genetic Algorithm for Multiple Protein Sequence Alignment in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):309–314IEEE Press 2002.

- [55] Chiba Shinji, Sugawara Ken. Estimation of Protein Function with an Evolutionary Dictionary in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):315–320IEEE Press 2002.
- [56] Mabu Shingo, Hirasawa Kotaro, Hu Jinglu, Murata Junichi. Online learning of Genetic Network Programming (GNP) in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):321–326IEEE Press 2002.
- [57] Etzel Joset A.. "Marigolds:"An Evolutionary Algorithm Simulation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):327–332IEEE Press 2002.
- [58] Jonker C. M., de Kock A. P. G., Meijer J., Vermeulen B. J.. Deliberate Evolution Agents: Comparing Reproduction Strategies in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):333–338IEEE Press 2002.
- [59] Hsieh Fu-Shiung. Design of Evolvable Manufacturing Processes in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):339–344IEEE Press 2002.
- [60] Cambier Christophe, Piron Marie, Cardon Alain. Self-adaptive systems using a Massive Multi-agent system in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):345–350IEEE Press 2002.
- [61] Al-Yamani Ahmad, Sait Sadiq M., Barada Hassan R.. HPTS: Heterogeneous Parallel Tabu Search for VLSI Placement in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):351–355IEEE Press 2002.
- [62] Khoo Koh Giok, Suganthan Ponnuthurai Nagaratnam. Objective Function Decomposition within Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):356–359IEEE Press 2002.
- [63] Sano Yasuhito, Kita Hajime. Optimization of Noisy Fitness Functions by means of Genetic Algorithms using History of Search with Test of Estimation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):360–365IEEE Press 2002.
- [64] Cutello V., Mastriani E., Pappalardo F.. An evolutionary algorithm for the T-constrained variation of Minimum Hitting Set Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):366–371IEEE Press 2002.
- [65] Sait Sadiq M., Minhas Mahmood R., Khan Junaid A.. Performance and Low Power Driven VLSI Standard Cell Placement using Tabu Search in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):372–377IEEE Press 2002.
- [66] Oh Sang-Keon, Lee Choon-Young, Lee Ju-Jang. A New Distributed Evolutionary Algorithm for Optimization in Nonstationary Environments in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):378–383IEEE Press 2002.
- [67] Liang Yun-Chia, Kulturel-Konak Sadan, Smith Alice E.. Meta Heuristics for the Orienteering Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):384–389IEEE Press 2002.
- [68] Rasheed Khaled, Ni Xiao, Vattam Swaroop. Comparison of Methods for Developing Dynamic Reduced Models for Design Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):390–395IEEE Press 2002.

- [69] Greer Brian, Hakonen Henri, Lahdelma Risto, Miikkulainen Risto. Numerical Optimization with Neuroevolution in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):396–401IEEE Press 2002.
- [70] Cincotti A., Cutello V., Pavone M.. Graph Partitioning with Genetic Algorithms using ODPX in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):402–406IEEE Press 2002.
- [71] Kim Kyung Joong, Cho Sung-Bae. Evolving Speciated Checkers Players with Crowding Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):407–412IEEE Press 2002.
- [72] Sofge Donald, De Jong Kenneth, Schultz Alan. A Blended Population Approach to Cooperative Coevolution for Decomposition of Complex Problems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):413–418IEEE Press 2002.
- [73] Ray Tapabrata. Constrained Robust Optimal Design using a Multiobjective Evolutionary Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):419–424IEEE Press 2002.
- [74] Kumar Rajeev, Parida Prajna P., Gupta Mohit. Topological Design of Communication Networks using Multiobjective Genetic Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):425–430IEEE Press 2002.
- [75] Bahuman Anil, Rasheed Khaled, Bishop Benjamin. An Evolutionary Approach for VLSI Standard Cell Design in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):431–436IEEE Press 2002.
- [76] Hwang Keum, Cho Sung. Evolving Diverse Hardware Using Speciated Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):437–442IEEE Press 2002.
- [77] Hsu Chen-Chien, Wang Wei-Yen, Yu Chih-Yung. Genetic Algorithms-Derived Digital Integrators and Their Applications in Discretization of Continuous Systems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):443–448IEEE Press 2002.
- [78] Ho Chin Kuan, Singh Yashwant Prasad, Lee Sze Wei. Enhancement Of A Genetic Algorithm For Optical Orthogonal Code Design Using Simulated Annealing in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):449–453IEEE Press 2002.
- [79] de Garis Hugo. Evolvability Limits : A Case Study Concerning the Modular Evolvable Capacities (MECs) of a New Neural Net Model for a Second Generation Brain Building Machine BM2 in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):454–459IEEE Press 2002.
- [80] Lee Jong-Ha, Cho Sung-Bae. Analysis of Direct Manipulation in Interactive Evolutionary Computation on Fitness Landscape in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):460–465IEEE Press 2002.
- [81] Cazangi Renato Reder, Figueiredo Mauricio. Simultaneous Emergence of Conflicting Basic Behaviors and Their Coordination in an Evolutionary Autonomous Navigation System in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):466–471IEEE Press 2002.

- [82] Takenaka Yoichi, Hashimoto Akihiro. DNA computing by competitive hybridization for maximum satisfiability problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):472–476IEEE Press 2002.
- [83] Bin Wu, Yi Zheng, Shaohui Liu, Zhongzhi Shi. CSIM: A Document Clustering Algorithm Based On Swarm Intelligence in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):477–482IEEE Press 2002.
- [84] Kim Dong Hwa, Hong Won, Park Jin ILL. Auto-Tuning Of Reference Based PID Controller Using Immune Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):483–488IEEE Press 2002.
- [85] Al-kazemi Buthainah, Mohan Chilukuri K.. Multi-Phase Generalization of the Particle Swarm Optimization Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):489–494IEEE Press 2002.
- [86] Sutcliffe Alistair, Chang Wei-Chun, Neville Richard. Optimizing System Requirements with Evolutionary Computation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):495–499IEEE Press 2002.
- [87] Wang Chunmiao, Soh Y. C., Wang Han, Wang Hui. A Hierarchical Genetic Algorithm for Path Planning in a Static Environment with Obstacles in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):500–505IEEE Press 2002.
- [88] Tsai Cheng-Fa, Tsai Chun-Wei, Chen Chi-Ping. A Novel Multiple-Searching Genetic Algorithm for Multimedia Multicast Routing in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):506–511IEEE Press 2002.
- [89] Wen Chen, Eberhart Russell C.. Genetic Algorithm for Logistics Scheduling Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):512–516IEEE Press 2002.
- [90] Dasgupta Dipankar, Stoliartchouk Alexei. Evolving PC System Hardware Configurations in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):517–522IEEE Press 2002.
- [91] Watanabe Isamu, Okada Kenji, Tokoro Ken, Matsui Shouichi. Adaptive Multiagent Model of Electric Power Market with Congestion Management in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):523–528IEEE Press 2002.
- [92] Moroni Artemis, Von Zuben F., Manzolli J., Mammana A.. Capturing Human Judgment to Simulate Objective Function in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):529–534IEEE Press 2002.
- [93] Hernandez Julio Cesar, Isasi Pedro, Ribagorda Arturo. Easing collision finding in cryptographic primitives with genetic algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):535–539IEEE Press 2002.
- [94] Kimiaghalam Bahram, Homaifar Abdollah, Bikdash Marwan, Sayyarodsari Bijan. Genetic Algorithm Based Gain Scheduling in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):540–545IEEE Press 2002.

- [95] Tsujimura Yasuhiro, Gen Mitsuo, Syarif Admi. Solving A Nonlinear Side Constrained Transportation Problem by Using Spanning Tree-based Genetic Algorithm with Fuzzy Logic Controller in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):546–551IEEE Press 2002.
- [96] Dozier Gerry. A Comparison of Adaptive Virtual Constraint Identification Strategies for Recurrent Dynamic Constraint Satisfaction in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):552–557IEEE Press 2002.
- [97] Li Yuanxiang, Kang Lishan. Analysis of Optimal Trajectory on Evolutionary Algorithm and Some Control Strategies in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):558–563IEEE Press 2002.
- [98] Eberbach Eugene. On Expressiveness of Evolutionary Computation: Is EC Algorithmic? in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):564–569IEEE Press 2002.
- [99] Willadsen Kai, Wiles Janet. All binary representations are equal: but some are more equal than others in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):570–575IEEE Press 2002.
- [100] Popela P., Roupec J., Osmera P., Matousek R.. The Formal Stochastic Framework for Comparison of Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):576–581IEEE Press 2002.
- [101] Eiben A. E., Jelasity M.. A Critical Note on Experimental Research Methodology in EC in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):582–587IEEE Press 2002.
- [102] Coletti Mark. A Preliminary Study of Learnable Evolution Methodology implemented with C4. 5 in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):588–593IEEE Press 2002.
- [103] Ho Shinn-Ying, Liu Chia-Cheng, Liu Soundy, Jou Jun-Wen. Design of an Optimal Nearest Neighbor Classifier Using an Intelligent Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):594–599IEEE Press 2002.
- [104] Watson James, Wiles Janet. The rise and fall of learning: A neural network model of the genetic assimilation of acquired traits in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):600–605IEEE Press 2002.
- [105] Watts M., Kasabov N.. Evolutionary Optimisation of Evolving Connectionist Systems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):606–610IEEE Press 2002.
- [106] Guinea Miguel A., Gutierrez Germa'n, Galvan Ine's, Sanchis Araceli, Molina Jose M.. Generative Capacities of Grammars Codification for Evolution of NN Architectures in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):611–616IEEE Press 2002.
- [107] Kim Pang Ki, Vadakkepat Prahlad, Lee Tong-Heng, Peng Xiao. Evolution of Control Systems for Mobile Robots in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):617–622IEEE Press 2002.

- [108] E. Conradie A., Mikkulainen R., Aldrich C.. Intelligent Process Control utilising Symbiotic Memetic Neuro-Evolution in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):623–628IEEE Press 2002.
- [109] Eklund Sven E.. A Massively Parallel GP Engine in VLSI in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):629–633IEEE Press 2002.
- [110] Chen S. Y., Li Y. F.. Optimum Viewpoint Planning for Model-Based Robot Vision in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):634–639IEEE Press 2002.
- [111] MORI Kunihiko, Nishi Syougo, Fuchida Takayasu, Murashima Sadayuki. Two Dimensional Resolution Improvement of Frame Images by Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):640–645IEEE Press 2002.
- [112] Acan Adnan. Reciprocal Translocation with Adaptive Segment Length in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):646–651IEEE Press 2002.
- [113] Liu Yong, Yao Xin. How to Control Search Step Size in Fast Evolutionary Programming in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):652–656IEEE Press 2002.
- [114] Dukkipati Ambedkar, Murty M. Narasimha. Selection by Parts: ‘Selection in Two Episodes’ in Evolutionary Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):657–662IEEE Press 2002.
- [115] Murata Tadahiko, Nozawa Hiroyuki, Tsujimura Yasuhiro, Gen Mitsuo, Ishibuchi Hisao. Effect of Local Search on the Performance of Cellular Multi-Objective Genetic Algorithms for Designing Fuzzy Rule-based Classification Systems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):663–668IEEE Press 2002.
- [116] Hafner Verena, Salomon Ralf. Evolving Neural Controllers for Visual Navigation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):669–674IEEE Press 2002.
- [117] Kim Dong Hwa. Tuning of 2-DOF PID Controller By Immune Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):675–680IEEE Press 2002.
- [118] Kim Jong-Wook, Kim Sang Woo, Park PooGyeon, Park Tae Joon. On the Similarities between Binary-Coded GA and Real-Coded GA in Wide Search Space in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):681–686IEEE Press 2002.
- [119] Janssen Marco A., Stow Daniel W.. An Application of Immunocomputing to the Evolution of Rules for Ecosystem Management in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):687–692IEEE Press 2002.
- [120] Nino Fernando, Beltran Oscar. A change detection software agent based on immune mixed selection in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):693–698IEEE Press 2002.
- [121] de Castro Leandro N., Timmis Jon. An Artificial Immune Network for Multimodal Function Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):699–704IEEE Press 2002.

- [122] Gonzalez Fabio, Dasgupta Dipankar, Kozma Robert. Combining Negative Selection and Classification Techniques for Anomaly Detection in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):705–710IEEE Press 2002.
- [123] Knowles Joshua, Corne David. On Metrics for Comparing Non-Dominated Sets in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):711–716IEEE Press 2002.
- [124] Valenzuela Christine. A Simple Evolutionary Algorithm for Multi-Objective Optimization (SEAMO) in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):717–722IEEE Press 2002.
- [125] Farhang-Mehr Ali, Azarm Shapour. Diversity Assessment of Pareto-Optimal Solution Sets: An Entropy Approach in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):723–728IEEE Press 2002.
- [126] Tassier T., Everson M. P., Ostrowski D.. Agent-Based Models as a Complement to Economic Theory: A Durable Goods Example in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):729–734IEEE Press 2002.
- [127] Everson Mark P., Mangin Christophe G. E., Stumpo Cody, Schwartz JoAnn M., Ostrowski David A.. Evaluating Strategies for Foreign Exchange Risk Reduction in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):735–740IEEE Press 2002.
- [128] Ostrowski D., Tassier T., Everson M. P., Reynolds R. G.. Using Cultural Algorithms to Evolve Strategies in Agent-Based Models in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):741–746IEEE Press 2002.
- [129] Schleis G., Rizki M.. Learning from a Random Player using the Reference Neuron Model in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):747–752IEEE Press 2002.
- [130] Crutchley Duncan, Zwolinski Mark. Using Evolutionary and Hybrid Algorithms for DC Operating Point Analysis of Nonlinear Circuits in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):753–758IEEE Press 2002.
- [131] Karr Charles L., Zeiler Thomas A., Mehrotra Rajiv. Determining Critical Gust Loads on Aircraft Structures Using an Evolutionary Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):759–764IEEE Press 2002.
- [132] Goto Ryuji, Sato Yuji. Applicability of Genetic Algorithms to Motion Analysis of a Moving Object in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):765–770IEEE Press 2002.
- [133] Stejic Zoran, Iyoda Eduardo M., Takama Yasufumi, Hirota Kaoru. Image Similarity Computation Using Local Similarity Patterns Generated by Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):771–776IEEE Press 2002.
- [134] Beielstein Thomas, Markon Sandor. Threshold Selection, Hypothesis Tests, and DOE Methods in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):777–782IEEE Press 2002.
- [135] Hutter Marcus. Fitness Uniform Selection to Preserve Genetic Diversity in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):783–788IEEE Press 2002.

- [136] Liang Yong, Leung Kwong-Sak. Two-way Mutation Evolution Strategies in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):789–794IEEE Press 2002.
- [137] Aguirre Hernan, Tanaka Kiyoshi. Parallel Varying Mutation Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):795–800IEEE Press 2002.
- [138] Wenjian Luo, Xianbin Cao, Xufa Wang. An Immune Genetic Algorithm Based on Immune Regulation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):801–806IEEE Press 2002.
- [139] Cayzer Steve, Aickelin Uwe. A Recommender System based on the Immune Network in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):807–812IEEE Press 2002.
- [140] Bradley Daryl, Tyrrell Andy. A Hardware Immune System for Benchmark State Machine Error Detection in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):813–818IEEE Press 2002.
- [141] Coello Carlos A. Coello, Cortes Nareli Cruz. A Parallel Implementation of the Artificial Immune System to Handle Constraints in Genetic Algorithms: Preliminary Results in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):819–824IEEE Press 2002.
- [142] Deb Kalyanmoy, Thiele Lothar, Laumanns Marco, Zitzler Eckart. Scalable Multi-Objective Optimization Test Problems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):825–830IEEE Press 2002.
- [143] Abbass Hussein A.. The Self-Adaptive Pareto Differential Evolution Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):831–836IEEE Press 2002.
- [144] Zhu Zhong-Yao, Leung Kwong-Sak. Asynchronous Self-Adjustable Island Genetic Algorithm for Multi-Objective Optimization Problems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):837–842IEEE Press 2002.
- [145] Mostaghim Sanaz, Teich Juergen, Tyagi Ambrish. Comparison of Data Structures for Storing Pareto-sets in MOEAs in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):843–848IEEE Press 2002.
- [146] Brewster J., Reynolds R. G., Brockmeyer Monica A.. Not in My Backyard: A Simulation of the Effects of Agent Mobility on Environmental Poisoning in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):849–854IEEE Press 2002.
- [147] Rychtyckyj N., Reynolds R. G.. Knowledge Base Maintenance Using Cultural Algorithms: Application to the DLMS Manufacturing Process System at Ford Motor Company in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):855–860IEEE Press 2002.
- [148] Reynolds R. G., Lazar Alina. Simulating the Evolution of the Archaic States in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):861–866IEEE Press 2002.
- [149] Goodhall Steve, Reynolds R. G., Whallon Robert. Altruism, Selfishness, and Survival: An Agent-Based Model Of Sharing Behavior in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):867–871IEEE Press 2002.

- [150] Lin Yung-Chien, Hwang Kao-Shing, Wang Feng-Sheng. Hybrid Differential Evolution with Multiplier Updating Method for Nonlinear Constrained Optimization Problems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):872–877IEEE Press 2002.
- [151] Craenen B. G. W., Eiben A. E.. An Experimental Comparison of SAWing EAs for a new Class of Random Binary CSPs in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):878–883IEEE Press 2002.
- [152] Hamida Sana Ben, Schoenauer Marc. ASCHEA: New Results Using Adaptive Segregational Constraint Handling in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):884–889IEEE Press 2002.
- [153] Zou Xiufen, Kang Lishan, Li Yuanxiang. A Dynamical Evolutionary Algorithm For Constrained Optimization Problems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):890–895IEEE Press 2002.
- [154] Kordon Arthur, Smits Guido, Jordaan Elsa, Rightor Ed. Robust Soft Sensors Based On Integration of Genetic Programming, Analytical Neural Networks, and Support Vector Machines in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):896–901IEEE Press 2002.
- [155] Portillo A. Berlanga J. Garcia-Herrero J. M. Molina J. Besada J.. OCR Parameters Tuning by Means of Evolution Strategies for Aircraft’s Tail Number Recognition in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):902–907IEEE Press 2002.
- [156] Tan K. C., Lee T. H., Cai J., Chew Y. H.. Automating the drug scheduling of cancer chemotherapy via evolutionary computation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):908–913IEEE Press 2002.
- [157] Hatanaka Toshiharu, Uosaki Katsuji, Koga Masazumi. Evolutionary Computation Approach to Wiener Model Identification in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):914–919IEEE Press 2002.
- [158] Costa A. M., Vargas P. A., Von Zuben F. J., Franca P. M.. Makespan Minimization on Parallel Processors: An Immune-Based Approach in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):920–925IEEE Press 2002.
- [159] Watkins Andrew B., Boggess Lois C.. A Resource Limited Artificial Immune Classifier in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):926–931IEEE Press 2002.
- [160] Cheh John J.. A Heuristic Approach to Efficient Production of Detector Sets for An Artificial Immune Algorithm-Based Bankruptcy Prediction System in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):932–937IEEE Press 2002.
- [161] Tarakanov Alexander, Skormin Victor. Pattern Recognition by Immunocomputing in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):938–943IEEE Press 2002.
- [162] Lu Haiming, Yen Gary. Rank-Density Based Multiobjective Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):944–949IEEE Press 2002.

- [163] Ishibushi Hisao, Yoshida Tadashi, Murata Tadahiko. Selection of Initial Solutions for Local Search in Multiobjective Genetic Local Search in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):950–955IEEE Press 2002.
- [164] Farina Marco. A Neural Network Based Generalized Response Surface Multiobjective Evolutionary Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):956–961IEEE Press 2002.
- [165] Kadrovach B. Anthony, Zydallis Jesse B., Lamont Gary B.. Use of Mendelian Pressure in a Multi-Objective Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):962–967IEEE Press 2002.
- [166] Shinkai Masaya, Aguirre Hernan, Tanaka Kiyoshi. Mutation Strategy Improves GA's Performance on Epistatic Problems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):968–973IEEE Press 2002.
- [167] Tsutsui Shigeyoshi, Goldberg David E.. Simplex Crossover and Linkage Identification: Single-Stage Evolution VS. Multi-Stage Evolution in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):974–979IEEE Press 2002.
- [168] Thierens Dirk. Adaptive mutation rate control schemes in genetic algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):980–985IEEE Press 2002.
- [169] Lones Michael, Tyrrell Andy. Crossover and Bloat in the Functionality Model of Enzyme Genetic Programming in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):986–991IEEE Press 2002.
- [170] Bendtsen Claus N., Krink Thiemo. Phone Routing using the Dynamic Memory Model in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):992–997IEEE Press 2002.
- [171] Xu J., Arslan T., Qing-Wang D. W.. GPS Attitude Determination Using a Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):998–1002IEEE Press 2002.
- [172] Zhang Yong, Hall Lawrence O., Goldgof Dmitry B., Sarkar Sudeep. A Constrained Genetic Approach for Reconstructing Young's Modulus of Elastic Objects from Boundary Displacement Measurements in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1003–1008IEEE Press 2002.
- [173] Majumdar Nivedita Sumi, Dasgupta Dipankar. Determining Optimal Configuration for Turbine Generator Cooler in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1009–1014IEEE Press 2002.
- [174] Kim Jungwon, Bentley Peter J.. Toward an Artificial Immune System for Network Intrusion Detection: An Investigation of Dynamic Clonal Selection in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1015–1020IEEE Press 2002.
- [175] Michelan Roberto, Von Zuben Fernando J.. Decentralized Control System for Autonomous Navigation Based on an Evolved Artificial Immune Network in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1021–1026IEEE Press 2002.

- [176] Anchor Kevin P., Williams Paul D., Gunsch Gregg H., Lamont Gary B.. The Computer Defense Immune System: Current and Future Research in Intrusion Detection in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1027–1032IEEE Press 2002.
- [177] Singh S. P. N., Thayer S. M., Thayer W. P.. A Foundation for Kilorobotic Exploration in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1033–1038IEEE Press 2002.
- [178] Dasgupta Dipankar, Majumdar Nivedita Sumi. Anomaly Detection in Multidimensional Data using Negative Selection Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1039–1044IEEE Press 2002.
- [179] Balthrop Justin, Forrest Stephanie, Glickman Matthew R.. Revisting LISYS: Parameters and Normal Behavior in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1045–1050IEEE Press 2002.
- [180] Coello Carlos A. Coello, Lechuga Maximino Salazar. MOPSO: A Proposal for Multiple Objective Particle Swarm Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1051–1056IEEE Press 2002.
- [181] Alves da Silva A. P., Abrao P. J.. Applications of Evolutionary Computation in Electric Power Systems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1057–1062IEEE Press 2002.
- [182] Falcao D. M.. Genetic Algorithms Applications in Electrical Distribution Systems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1063–1068IEEE Press 2002.
- [183] Lee K. Y., Mohamed P. S.. A Real-Coded Genetic Algorithm Involving a Hybrid Crossover Method for Power Plant Control System Design in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1069–1074IEEE Press 2002.
- [184] Kassabalidis I. N., El-Sharkawi M. A., II R. J. Marks. Border Identification for Power System Security Assessment Using Neural Network Inversion: An Overview in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1075–1079IEEE Press 2002.
- [185] Miranda V., Fonseca N.. EPSO - Best-of-Two Worlds Meta-Heuristic Applied to Power System Problems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1080–1085IEEE Press 2002.
- [186] Revello Timothy E., McCartney Robert. Generating War Game Strategies Using A Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1086–1091IEEE Press 2002.
- [187] Ho Shinn-Ying, Ho Shinn-Jang, Huang Zhen-Bang. An Evolutionary Approach for Pose Determination and Interpretation of Occluded Articulated Objects in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1092–1097IEEE Press 2002.
- [188] Rojas F., Puntonet C. G., Rojas I., Ortega J., Prieto A.. Genetic Algorithm Approach to Nonlinear Blind Source Separation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1098–1102IEEE Press 2002.
- [189] Collet Pierre, Louchet Jean, Lutton Evelyne. Issues on the Optimisation of Evolutionary Algorithms Code in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1103–1108IEEE Press 2002.

- [190] Hingston P., Barone L., While L.. Evolving Crushers in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1109–1114IEEE Press 2002.
- [191] Milone Diego H., Merelo Juan J., Rufiner H. L.. Evolutionary Algorithm for Speech Segmentation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1115–1120IEEE Press 2002.
- [192] Qiao Yan, WeiXin Xie. A Network IDS with Low False Positive Rate in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1121–1126IEEE Press 2002.
- [193] Hughes Evan J.. Multi-Objective Evolutionary Guidance for Swarms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1127–1132IEEE Press 2002.
- [194] Jimenez Fernando, Gomez-Skarmeta Antonio F., Sanchez Gracia, Deb Kalyanmoy. An Evolutionary Algorithm for Constrained Multi-objective Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1133–1138IEEE Press 2002.
- [195] Ang Kiam Heong, Chong Gregory, Li Yun. Preliminary Statement on the Current Progress of Multi-Objective Evolutionary Algorithm Performance Measurement in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1139–1144IEEE Press 2002.
- [196] Madavan Nateri. Multiobjective Optimization Using a Pareto Differential Evolution Approach in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1145–1150IEEE Press 2002.
- [197] Basseur Matthieu, Seynhaeve Franck, Talbi El. Design of Multi-Objective Evolutionary Algorithms: Application to the Flow-Shop Scheduling Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1151–1156IEEE Press 2002.
- [198] Lohn Jason, Kraus William F., Haith Gary L.. Comparing a Coevolutionary Genetic Algorithm for Multiobjective Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1157–1162IEEE Press 2002.
- [199] Seth Anil K.. Distinguishing Adaptive From Non-Adaptive Evolution Using Ashby’s Law of Resusite Variety in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1163–1168IEEE Press 2002.
- [200] Julstrom Bryant A.. A Scalable Genetic Algorithm for the Rectilinear Steiner Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1169–1173IEEE Press 2002.
- [201] Sadati N., Kuchakkhani S.. Genetic Approach to Pole Placement by Static Output Feedback in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1174–1179IEEE Press 2002.
- [202] Iwamatsu Masao. Co-Evolutionary Global Optimization Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1180–1184IEEE Press 2002.
- [203] Cowling Peter, Kendall Graham, Han Limin. An Investigation of a Hyperheuristic Genetic Algorithm Applied to a Trainer Scheduling Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1185–1190IEEE Press 2002.

- [204] Darwen Paul J.. Search Landscape of a Realistic Single-Machine Scheduling Task: Peaks with Big Differences in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1191–1196IEEE Press 2002.
- [205] Burke Edmund K, De Causmaecker Patrick, Petrovic Sanja, Berghe Greet Vanden. A Multi Criteria Meta-heuristic Approach to Nurse Rostering in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1197–1202IEEE Press 2002.
- [206] Li Jingpeng, Kwan Raymond. A Fuzzy Evolutionary Approach with Taguchi Parameter Setting for the Set Covering Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1203–1208IEEE Press 2002.
- [207] Nikolaev Nikolay, de Menezes Lilian M., Iba Hitoshi. Overfitting Avoidance in Genetic Programming of Polynomials in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1209–1214IEEE Press 2002.
- [208] Fischer Manfred M.. A Novel Modular Product Unit Neural Network for Modelling Constrained Spatial Interaction Flows in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1215–1220IEEE Press 2002.
- [209] Endou Taichirou, Zhao Qiangfu. Generation of Comprehensible Decision Trees Through Evolution of Training Data in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1221–1225IEEE Press 2002.
- [210] Ishida Celso Yoshikazu, Pozo Aurora Trinidad Ramirez. GPSQL Miner: SQL-Grammar Genetic Programming in Data Mining in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1226–1231IEEE Press 2002.
- [211] Minami Mamoru, Tamamura Atsushi, Asakura Toshiyuki. Machine Intelligence of a Mobile Manipulator to Utilize Dynamically Interfered Motion and Nonlinear Friction in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1232–1237IEEE Press 2002.
- [212] Sarafis I., Zalzal A. M. S., Trinder P.. A Genetic Rule-Based Data Clustering Toolkit in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1238–1243IEEE Press 2002.
- [213] Avgerinos E., Zalzal A. M. S., Zografos G.. Towards Evolutionary Optimisation for High Resolution Bathymetry from SideScan Sonars in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1244–1249IEEE Press 2002.
- [214] Burczynski T., Kus W., Majchrzak E., Orantek P., Dziewonski M.. Evolutionary Computation in Identification of a Tumor in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1250–1254IEEE Press 2002.
- [215] Cupertino Francesco, Naso David, Salvatore Luigi, Turchiano Biagio. Design of Cascaded Controllers for DC Drives using Evolutionary Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1255–1260IEEE Press 2002.
- [216] Chrzanowska-Jeske M., Greenwood G., Wang B.. Combining Evolution Strategies with Lagrangian Relaxation for Constructing Nonslicing VLSI Floorplans With Soft Modules in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1261–1266IEEE Press 2002.

- [217] Canham R. O., Tyrrell A. M.. Evolved Fault Tolerance in Evolvable Hardware in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1267–1271IEEE Press 2002.
- [218] Tan K. C., Chew C. M., Tan K. K., Wang L. F., Chen Y. J.. Autonomous robot navigation via intrinsic evolution in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1272–1277IEEE Press 2002.
- [219] Wei Chengjian, He Zhenya, Zhang Yifeng, Pei Wenjiang. Swarm Directions Embedded in Fast Evolutionary Programming in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1278–1283IEEE Press 2002.
- [220] Tsui Kwok Ching, Liu Jiming. Evolutionary Diffusion Optimization, Part II: Performance Assessment in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1284–1289IEEE Press 2002.
- [221] Tsai Huai-Kuang, Yang Jinn-Moon, Kao Cheng-Yan. Solving Traveling Salesman Problems by Combining Global and Local Search Mechanisms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1290–1295IEEE Press 2002.
- [222] Ashlock Daniel, Guo Ling, Qiu Fang. Greedy Closure Evolutionary Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1296–1301IEEE Press 2002.
- [223] Tan K. C., Tay A., Lee T. H., Heng C. M.. Mining multiple comprehensible classification rules using genetic programming in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1302–1307IEEE Press 2002.
- [224] Ghezelayagh Hamid, Lee Kwang Y.. Intelligent Predictive Control of A Power Plant with Evolutionary Programming Optimizer and Neuro-Fuzzy Identifier in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1308–1313IEEE Press 2002.
- [225] Wong Man Leung, Lee Shing Yan, Leung Kwong Sak. A Hybrid Approach to Learn Bayesian Networks Using Evolutionary Programming in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1314–1319IEEE Press 2002.
- [226] Xu Xin, He Han, Hu Dewen. Evolutionary Adaptive-Critic Methods for Reinforcement Learning in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1320–1325IEEE Press 2002.
- [227] Hoai N. X., McKay R. I., Essam D., Chau R.. Solving the Symbolic Regression Problem with Tree-Adjunct Grammar Guided Genetic Programming: The Comparative Results in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1326–1331IEEE Press 2002.
- [228] Munetomo Masaharu. Linkage Identification Based on Epistasis Measures to Realize Efficient Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1332–1337IEEE Press 2002.
- [229] Das Sanjoy. Gene Spill: An Evolutionary Algorithm Based on Bacterial Gene Exchange in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1338–1342IEEE Press 2002.
- [230] Yamamoto Kosuke, Yoshikawa Tomohiro, Furuhashi Takeshi, Shinogi Tsuyoshi, Tsuruoka Shinji. Evaluation of Search Performance of Bacterial Evolutionary Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1343–1347IEEE Press 2002.

- [231] Smith Tom, Philippides Andy, Husbands Phil, O'Shea Michael. Neutrality and ruggedness in robot landscapes in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1348–1353IEEE Press 2002.
- [232] Toussaint Marc, Igel Christian. Neutrality: A necessity for self-adaptation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1354–1359IEEE Press 2002.
- [233] Shipman Rob, Shackleton Mark, Ebner Marc. Issues in Designing a Neutral Genotype-Phenotype Mapping in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1360–1365IEEE Press 2002.
- [234] Cyre Walling. Learning Grammars with a Modified Classifier System in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1366–1371IEEE Press 2002.
- [235] Ursem Rasmus K., Krink Thiemo. Genetic Programming with Smooth Operators for Arithmetic Expressions: Diviplication and Subditiion in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1372–1377IEEE Press 2002.
- [236] Ho. Shinn-Ying Ho. Shinn-Jang, Chen Tai-Kang. Design of High Performance Fuzzy Controllers Using Flexible Parameterized Membership Functions and Intelligent Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1378–1383IEEE Press 2002.
- [237] Delgado Myriam Regattieri, Von Zuben Fernando, Gomide Fernando. Coevolutionary Design of Takagi-Sugeno Fuzzy Systems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1384–1389IEEE Press 2002.
- [238] Santana Roberto, Muehlenbein Heinz. Blocked Stochastic Sampling versus Estimation of Distribution Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1390–1395IEEE Press 2002.
- [239] Cho Dong-Yeon, Zhang Byoung-Tak. Evolutionary Optimization by Distribution Estimation with Mixtures of Factor Analyzers in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1396–1401IEEE Press 2002.
- [240] Katsumata Yuji, Kurahashi Setsuya, Terano Takao. We Need Multiple Solutions for Electric Equipments Configuration in a Power Plant - Applying Bayesian Optimization Algorithm with Tabu Search in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1402–1407IEEE Press 2002.
- [241] Davis J. E., Kendall G.. An Investigation, using Co-Evolution, to Evolve an Awari Player in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1408–1413IEEE Press 2002.
- [242] Subbu Raj, Sanderson Arthur C.. Network Performance of Distributed Coevolutionary Agents in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1414–1419IEEE Press 2002.
- [243] Cartlidge John, Bullock Seth. Learning lessons from the common cold: How reducing parasite virulence improves coevolutionary optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1420–1425IEEE Press 2002.
- [244] van Bragt D. D. B., La Poutre J. A.. Co-evolving Automata Negotiate with a Variety of Opponents in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1426–1431IEEE Press 2002.

- [245] Satoh Taiji, Kuwabara Heijiro, Masakazu , Kanezashi , Nara Koichi. Artificial Life System and its Application to Multiple-Fuel Economic Load Dispatch Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1432–1437IEEE Press 2002.
- [246] Liang Suihong, Zincir-Heywood A. Nur, Heywood Malcolm I.. The Effect of Routing under Local Information using a Social Insect Metaphor in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1438–1443IEEE Press 2002.
- [247] Schoofs Luk, Naudts Bart. Swarm Intelligence on the Binary Constraint Satisfaction problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1444–1449IEEE Press 2002.
- [248] Isaacs Jason, Watkins Robert, Foo Simon. Evolving Ant Colony Systems in Hardware for Random Number Generation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1450–1455IEEE Press 2002.
- [249] Xie Xiaofeng, Zhang Wenjun, Yang Zhilian. A Dissipative Particle Swarm Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1456–1461IEEE Press 2002.
- [250] Blackwell Tim, Bentley Peter J.. Improvised Music with Swarms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1462–1467IEEE Press 2002.
- [251] Lampinen Jouni. A Constraint Handling Approach for the Differential Evolution Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1468–1473IEEE Press 2002.
- [252] Krink Thiemo, Vesterstrøm Jakob S., Riget Jacques. Particle Swarm Optimisation with Spatial Particle Extension in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1474–1479IEEE Press 2002.
- [253] Koo Ji Hun, Kim Tae Seon, Dong Sung Soo, Lee Chong Ho. Development of FPGA Based Adaptive Image Enhancement Filter System Using Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1480–1485IEEE Press 2002.
- [254] Corno F., Cumani G., Reorda M. Sonza, Squillero G.. Efficient Machine-Code Test-Program Induction in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1486–1491IEEE Press 2002.
- [255] Homma Naofumi, Aoki Takafumi, Higuchi Tatsuo. Graph-Based Individual Representation for Evolutionary Synthesis of Arithmetic Circuits in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1492–1497IEEE Press 2002.
- [256] Salomon Ralf. The Force Model: Reducing the Complexity by Reformulating the Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1498–1503IEEE Press 2002.
- [257] Boonlong K., Chaiyaratana N., Kuntanapreeda S.. Using A Co-Operative Co-Evolutionary Genetic Algorithm to Solve Optimal Control Problems in a Hysteresis System in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1504–1509IEEE Press 2002.
- [258] Bersini Hugues. And the winner is not the fittest in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1510–1515IEEE Press 2002.

- [259] Yuan Bo. Deterministic Crowding, Recombination And Self-Similarity in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1516–1521IEEE Press 2002.
- [260] Murakami Y., Sato H., Namatame A.. Realizing Unstable Social Efficiency with Mutual Learning of Meta-Rules in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1522–1527IEEE Press 2002.
- [261] Wittner O., Helvik B. E.. Cross Entropy Guided Ant-like Agents Finding Dependable Primary/Backup Path Patterns in Networks in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1528–1533IEEE Press 2002.
- [262] Bjarnason R., Peterson T.. Multi-agent Learning via Implicit Opponent Modeling in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1534–1539IEEE Press 2002.
- [263] Jelasity M., Preuss M., Paechter B.. A Scalable and Robust Framework for Distributed Applications in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1540–1545IEEE Press 2002.
- [264] Watkins Andrew, Boggess Lois. A New Classifier Based on Resource Limited Artificial Immune Systems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1546–1551IEEE Press 2002.
- [265] Ando Shin, Iba Hitoshi. Ant Algorithm for Construction of Evolutionary Tree in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1552–1557IEEE Press 2002.
- [266] Blum Christian, Sampels Michael. Ant Colony Optimization for FOP Shop Scheduling: A case study on different pheromone representations in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1558–1563IEEE Press 2002.
- [267] Schreyer Michael, Raidl Günther R.. Letting Ants Labeling Point Features in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1564–1569IEEE Press 2002.
- [268] Vesterstrøm Jakob S., Riget Jacques, Krink Thiemo. Division of Labor in Particle Swarm Optimisation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1570–1575IEEE Press 2002.
- [269] Laskari E. C., Parsopoulos K. E., Vrahatis M. N.. Particle Swarm Optimization for Minimax Problems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1576–1581IEEE Press 2002.
- [270] Laskari E. C., Parsopoulos K. E., Vrahatis M. N.. Particle Swarm Optimization for Integer Programming in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1582–1587IEEE Press 2002.
- [271] Løvbjerg Morten, Krink Thiemo. Extending Particle Swarm Optimisers with Self-Organized Criticality in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1588–1593IEEE Press 2002.
- [272] Harris Dave, Bullock Seth. Enhancing game theory with coevolutionary simulation models of honest signaling in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1594–1599IEEE Press 2002.
- [273] Wiegand R. Paul, Liles William, De Jong Kenneth. Analyzing Cooperative Coevolution with Evolutionary Game Theory in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1600–1605IEEE Press 2002.

- [274] Ord Toby, Blair Alan. Exploitation and peacekeeping: introducing more sophisticated interactions to the iterated prisoner's dilemma in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1606–1611IEEE Press 2002.
- [275] Murao Hajime, Tamaki Hisashi, Kitamura Shinzo. A Coevolutionary Approach To Adapt The Genotype-Phenotype Map In Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1612–1617IEEE Press 2002.
- [276] Anchor Kevin, Lamont Gary, Gunsch Gregg. An Evolutionary Programming Approach for Detecting Novel Computer Network Attacks in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1618–1623IEEE Press 2002.
- [277] Chu Chao-Hsien, Gu JunHua, Hou Xiang Dan, Gu Qijun. A Heuristic Ant Algorithm for Solving QoS Multicast Routing Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1630–1635IEEE Press 2002.
- [278] Tsai Cheng-Fa, Tsai Chun-Wei, Tseng Ching-Chang. A New Approach for Solving Large Traveling Salesman Problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1636–1641IEEE Press 2002.
- [279] Khan Junaid A., Sait Sadiq M., Minhas Mahmood R.. Fuzzy Biasless Simulated Evolution for Multiobjective VLSI Placement in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1642–1647IEEE Press 2002.
- [280] Lu Haiming, Yen Gary G.. Dynamic Population Size in Multiobjective Evolutionary Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1648–1653IEEE Press 2002.
- [281] Abbass Hussein A., Hoai Nguyen Xuan, McKay Robert I.. AntTAG: A New Method to Compose Computer Programs Using Colonies of Ants in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1654–1659IEEE Press 2002.
- [282] Yang Jih Tsung, Huang Hsien-Da, Horng Jorng-Tzong. Devising A Cost Effective Baseball Scheduling by Evolutionary Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1660–1665IEEE Press 2002.
- [283] Hu X., Eberhart R.. Adaptive Particle Swarm Optimization: Detection and Response to Dynamic Systems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1666–1670IEEE Press 2002.
- [284] Kennedy J., Mendes R.. Population Structure and Particle Swarm Performance in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1671–1676IEEE Press 2002.
- [285] Hu X., Eberhart Russell. Multiobjective Optimization Using Dynamic Neighborhood Particle Swarm Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1677–1681IEEE Press 2002.
- [286] Shi Y., Krohling R. A.. Co-evolutionary Particle Swarm Optimization to Solve min-max Problems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1682–1687IEEE Press 2002.

- [287] Krohling R. A., Knidel H., Shi Y.. Solving Numerical Equations of Hydraulic Problems Using Particle Swarm Optimization in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1688–1690IEEE Press 2002.
- [288] Blackwell Tim, Bentley Peter J.. Don't Push Me! Collision-Avoiding Swarms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1691–1696IEEE Press 2002.
- [289] Vincent Jonathan. A Comparison of Reproductive Success and the Effect of Mating Restrictions in Coarse-Grained Parallel Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1697–1702IEEE Press 2002.
- [290] Leung Kwong Sak, Lee Kin Hong, Cheang Sin Man. Evolving Parallel Machine Programs for a Multi-ALU Processor in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1703–1708IEEE Press 2002.
- [291] Li Xiaodong, Kirley Michael. The Effects of Varying Population Density in a Fine-grained Parallel Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1709–1714IEEE Press 2002.
- [292] Kojima Kazunori, Matsuo Hiroshi, Ishigame Masaaki. Reduction of Communication Quantity for Network Based Parallel GA in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1715–1720IEEE Press 2002.
- [293] Hamilton-Wright Andrew, Stacey Deborah. Fault-Tolerant Network Computation of Individuals in Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1721–1726IEEE Press 2002.
- [294] Galeano G., Fernandez F., Tomassini M., Vanneschi L.. Studying the influence of Synchronous and Asynchronous parallel GP on Programs' Length Evolution in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1727–1732IEEE Press 2002.
- [295] Joines Jeffrey A., Kay Mike G.. Hybrid Genetic Algorithms and Random Linkage in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1733–1738IEEE Press 2002.
- [296] Zhang Ruijian, King Willis K., Wang Qingdong. Applying Evolutionary Programming to Improve Branch Classification In the Hybrid Branch Prediction Method Using Switch-Counter in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1739–1744IEEE Press 2002.
- [297] Chang Ming, Ohkura Kazuhiro, Ueda Kanji, Sugiyama Masaharu. A symbiotic evolutionay algorithm for dynamic facility layout problem in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1745–1750IEEE Press 2002.
- [298] Srinivasan Dipti, Seow Tian Hou, Xu Jian Xin. Automated Time Table Generation Using Multiple Context Reasoning for University Modules in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1751–1756IEEE Press 2002.
- [299] Stanley Kenneth O., Miikkulainen Risto. Efficient Evolution of Neural Network Topologies in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1757–1762IEEE Press 2002.

- [300] Wang Yan, Lu Yilong. The Fast Neural Network Solution for Problems Based on Slow Genetic Algorithm Solutions in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1763–1768IEEE Press 2002.
- [301] Edwards D. C., Brown K. E., Taylor N. K.. An Evolutionary Method for the Design of Generic Neural Networks in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1769–1774IEEE Press 2002.
- [302] Weingaertner Daniel, Tatai Victor K., Gudwin Ricardo R., Zuben Fernando J. Von. Hierarchical Evolution of Heterogeneous Neural Networks in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1775–1780IEEE Press 2002.
- [303] Kovacs Tim. Performance and Population State Metrics for Rule-based Learning Systems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1781–1786IEEE Press 2002.
- [304] Aizawa Akiko. A Co-evolutionary Framework for Clustering in Information Retrieval Systems in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1787–1792IEEE Press 2002.
- [305] Lee Cin-Young, Antonsson Erik K.. Reinforcement Learning in Steady-State Cellular Genetic Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1793–1797IEEE Press 2002.
- [306] Hercog Luis Miramontes, Fogarty Terence C.. Co-evolutionary Classifier Systems for Multi-Agent Simulation in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1798–1803IEEE Press 2002.
- [307] Wai Yin Yee, Chow Chi Kin, Lee Tong. Resolving Ambiguity in Depth Extraction for Motion Capture using Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1804–1809IEEE Press 2002.
- [308] Kaiser Markus J., Tsui Kwok Ching, Liu Jiming. Adaptive Distributed Caching in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1810–1815IEEE Press 2002.
- [309] Chavali Sudhakar, Pahwa Anil, Das Sanjoy. A Genetic Algorithm Approach for Optimal Distribution Feeder Restoration During Cold Load Pickup in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1816–1819IEEE Press 2002.
- [310] Golovkin Igor E., Louis Sushil J., Mancini Roberto C.. Parallel Implementation of Niche Pareto Genetic Algorithm Code for X-ray Plasma Spectroscopy in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1820–1824IEEE Press 2002.
- [311] Aktan Burcin, Greenwood Garrison, Shor Molly. Improving Evolutionary Algorithm Performance on Maximizing Functional Test Coverage of ASICs Using Adaptation of the Fitness Criteria in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1825–1829IEEE Press 2002.
- [312] Stoica Adrian, Zebulum Ricardo, Keymeulen Didier, Ferguson M. I., Duong Vu. Fuzzy controller implementations with fewer than ten transistors? in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1830–1835IEEE Press 2002.
- [313] Bird Jon, Layzell Paul. The Evolved Radio and its Implications for Modelling the Evolution of Novel Sensors in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1836–1841IEEE Press 2002.

- [314] Mazza, III Raymond H., Congdon Clare Bates. Towards a Genetic Algorithms Approach to Designing 3D Polygonal Tree Models in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1842–1847IEEE Press 2002.
- [315] Matsumura Yoshiyuki, Ohkura Kazuhiro, Ueda Kanji. Advantages of Global Discrete Recombination in (mu, mu, lambda) Evolution Strategies in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1848–1853IEEE Press 2002.
- [316] Monakhov O., Monakhova E.. Using Evolutionary Algorithm for Generation of Dense Families of Circulant Networks in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1854–1859IEEE Press 2002.
- [317] Xu Jian-Xin, Panda Sanjib Kumar, Zheng Qing. Multiobjective Optimization of Current Waveforms for Switched Reluctance Motors by Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1860–1865IEEE Press 2002.
- [318] Wu Xiaodan, Chu Chao-Hsien, Wang Yunfeng, Yan Weli. A Genetic Algorithm for Integrated Cell Formation and Layout Decision in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1866–1871IEEE Press 2002.
- [319] Bongard Josh C.. Evolving Modular Genetic Regulatory Networks in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1872–1877IEEE Press 2002.
- [320] Harvey P R W, Booth D M, Boyce J F. Evolving The Mapping between input Neurons and Multi-Source Imagery in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1878–1883IEEE Press 2002.
- [321] Verma B., Ghosh R.. A Novel Evolutionary Neural Learning Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1884–1889IEEE Press 2002.
- [322] Fu Xiuju, Wang Lipo. A GA-Based Novel RBF Classifier with Class-Dependent Features in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1890–1894IEEE Press 2002.
- [323] Yen Gary G., Nithianandan Nethrie. Facial Feature Extraction Using Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1895–1900IEEE Press 2002.
- [324] Blaha Brian, Wunsch Don. Evolutionary Programming to Optimize an Assembly Program in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1901–1903IEEE Press 2002.
- [325] Beielstein T., Dienstuhl J., Feist C., Pompl M.. Circuit Design Using Evolutionary Algorithms in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1904–1909IEEE Press 2002.
- [326] Hoar Ricardo, Penner Joanne, Jacob Christian. Evolutionary Swarm Traffic: If Ant Roads Had Traffic Lights in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1910–1915IEEE Press 2002.
- [327] Fu Xiuju, Wang Lipo. Rule Extraction from an RBF Classifier Based on Class-Dependent Features in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1916–1921IEEE Press 2002.

- [328] Mordaunt P, Zalzal AMS. Towards an Evolutionary Neural Network For Gait Analysis in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1922–1927IEEE Press 2002.
- [329] Ling S. H., Lam H. K., Leung F. H. F., Tam P. K. S.. Learning of Neural Network Parameters using a Fuzzy Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1928–1933IEEE Press 2002.
- [330] Ciftcioglu Ozer. GA with Orthogonal Transformation for RBFN Configuration in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1934–1939IEEE Press 2002.
- [331] Lee Kang-Hee, Lee Chi-Ho, Kim Jong-Hwan, Choi Han-Lim, Tahk Min-Jea. Evolutionary Optimized Pitching Motion Control for F-16 Aircraft in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1940–1945IEEE Press 2002.
- [332] Chan C. K., Gooi H. B., Lim M. H.. A Co-evolutionary Algorithm approach to a University Timetable System in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1946–1951IEEE Press 2002.
- [333] Lucas Simon. Evolving spring-mass models: a test-bed for graph encoding schemes in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1952–1957IEEE Press 2002.
- [334] Torres-Velazquez Rodolfo, Estivill-Castro Vladimir. A Memetic Algorithm Instantiated with Selection Sort Consistently Finds Global Optima for the Error-Correcting Graph Isomorphism in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1958–1963IEEE Press 2002.
- [335] Kim Seong-Joo, Kim Jong-Soo, Seo Jae-Yong, Cho Hyun-Chan, Jeon Hong-Tae. Optimal Initial Structure of the RBF Networks Using Time-Frequency Localization and Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1964–1969IEEE Press 2002.
- [336] Tuci Elio, Quinn Matt, Harvey Inman. Evolving fixed-weight networks for learning robots in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1970–1975IEEE Press 2002.
- [337] Oeda Shinichi, Ichimura Takumi, Yamashita Toshiyuki. Biological immune system by evolutionary adaptive learning of neural networks in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1976–1981IEEE Press 2002.
- [338] Ding Yongsheng, Ren Lihong. A New DNA-Based Evolutionary Algorithm with Application to the Design of Fuzzy Controllers in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1982–1987IEEE Press 2002.
- [339] Taylor Dan, Corne David, Taylor David, Harkness Jack. Predicting Alarms in Supermarket Refrigeration Systems Using Evolved Neural Networks and Evolved Rulesets in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1988–1993IEEE Press 2002.
- [340] Xin Liu, Vadakkepat Prahlad, Lee Tong Heng, Peng Xiao, Kim Pang Ki. Comparison of Robot Navigation by Evolutionary Neural Networks and Pain-based Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):1994–1999IEEE Press 2002.

- [341] Galvao R. K. H., Becerra V. M., Abou-Seada M.. Variable Selection for Financial Distress Classification Using a Genetic Algorithm in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):2000–2005IEEE Press 2002.
- [342] Svargard Nils, Lloyd Stefan, Nordin Peter, Wihlborg Clas. Evolving Short-Term Trading Strategies Using Genetic Programming in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):2006–2010IEEE Press 2002.
- [343] Hamada Takahiro, Kawamura Hidenori, Yamamoto Masahito, Ohuchi Azuma. A Study on Behavioral Structure of Artificial Market Based on Adaptive Game in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):2011–2016IEEE Press 2002.
- [344] Yamasaki Kazuko, Kitakaze Kazuhisa, Sekiguchi Masuteru. Dynamic Optimization by Evolutionary Algorithms Applied to Financial Time Series in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):2017–2022IEEE Press 2002.
- [345] Minerva T., Paterlini S.. Evolutionary Approaches for Statistical Modelling in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):2023–2028IEEE Press 2002.
- [346] Cliff Dave. Evolution of Market Mechanism through a Continuous Space of Auction-Types in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002* (Fogel David B., El-Sharkawi Mohamed A., Yao Xin, et al. , eds.):2029–2034IEEE Press 2002.