## Список литературы

- [1] R. B. Heckendorn, editor, San Francisco, California, USA, 2001.
- [2] S. G. Ficici and J. B. Pollack, Game theory and the simple coevolutionary algorithm: Some results on fitness sharing, in *Coevolution: Turning Adaptive Algorithms upon Themselves*, edited by R. K. Belew and H. Juillè, pp. 2–7, San Francisco, California, USA, 2001.
- [3] J. T. Kim, Fitness costs of mutation rate adaptation: A factor in coevolution and its effects in dynamic fitness landscapes, in *Coevolution: Turning Adaptive Algorithms upon Themselves*, edited by R. K. Belew and H. Juillè, pp. 8–13, San Francisco, California, USA, 2001.
- [4] A. Lubberts and R. Miikkulainen, Co-evolving a go-playing neural network, in *Coevolution: Turning Adaptive Algorithms upon Themselves*, edited by R. K. Belew and H. Juillè, pp. 14–19, San Francisco, California, USA, 2001.
- [5] L. Pagie and M. Mitchell, A comparison of evolutionary and coevolutionary search, in *Coevolution: Turning Adaptive Algorithms upon Themselves*, edited by R. K. Belew and H. Juillè, pp. 20–25, San Francisco, California, USA, 2001.
- [6] J. Branke, Evolutionary approaches to dynamic optimization problems, in *Evolutionary Algorithms for Dynamic Optimization Problems*, edited by J. Branke and T. Bäck, pp. 27–30, San Francisco, California, USA, 2001.
- [7] C. Ronnewinkel and T. Martinez, Explicit speciation with few a priori parameters for dynamic optimization problems, in *Evolutionary Algorithms for Dynamic Optimization Problems*, edited by J. Branke and T. Bäck, pp. 31–34, San Francisco, California, USA, 2001.
- [8] J. van Hemert, C. Van Hoyweghen, E. Lukshandl and K. Verbeeck, A futurist approach to dynamic environments, in *Evolutionary Algorithms for Dynamic Optimization Problems*, edited by J. Branke and T. Bäck, pp. 35–38, San Francisco, California, USA, 2001.
- [9] M. Snoek, Anticipation optimization in dynamic job shops, in Evolutionary Algorithms for Dynamic Optimization Problems, edited by J. Branke and T. Bäck, pp. 43–46, San Francisco, California, USA, 2001.
- [10] K. Yamasaki, Dynamic pareto optimum ga against the changing environments, in *Evolutionary Algorithms for Dynamic Optimization Problems*, edited by J. Branke and T. Bäck, pp. 47–50, San Francisco, California, USA, 2001.
- [11] A. Berro and Y. Duthen, Search for optimum in dynamic environment a efficient agent-based method, in *Evolutionary Algorithms for Dynamic Optimization Problems*, edited by J. Branke and T. Bäck, pp. 51–54, San Francisco, California, USA, 2001.
- [12] S. A. Burns, Frame structures with many locally minimum-weight designs, in *Optimal Structural Design using Genetic and Evolutionary Computation*, edited by S. Burns, pp. 56–61, San Francisco, California, USA, 2001.
- [13] S. Khajehpour and D. E. Grierson, Conceptual design using adaptive computing, in *Optimal Structural Design using Genetic and Evolutionary Computation*, edited by S. Burns, pp. 62–67, San Francisco, California, USA, 2001.
- [14] A. M. Raich, Evolving structural design solutions for unstructured problem domains, in *Optimal Structural Design using Genetic and Evolutionary Computation*, edited by S. Burns, pp. 68–72, San Francisco, California, USA, 2001.
- [15] D. Schinler and C. M. Foley, An object-oriented evolutionary algorithm for automated advanced analysis based design, in *Optimal Structural Design using Genetic and Evolutionary Computation*, edited by S. Burns, pp. 73–78, San Francisco, California, USA, 2001.
- [16] V. K. Koumousis and C. K. Dimou, Genetic algorithms in a competitive environment with application to reliability optimal design, in *Optimal Structural Design using Genetic and Evolutionary Computation*, edited by S. Burns, pp. 79–84, San Francisco, California, USA, 2001.

- [17] P. Hajel and J. Yoo, Ga based fuzzy optimization for nonconvex pareto surfaces, in *Optimal Structural Design using Genetic and Evolutionary Computation*, edited by S. Burns, pp. 85–90, San Francisco, California, USA, 2001.
- [18] H. Furuta, M. Hirokane and K. Harakawa, Application of genetic algorithms and rough sets to data mining for integrity assessment of bridge structures, in *Optimal Structural Design using Genetic and Evolutionary Computation*, edited by S. Burns, pp. 91–96, San Francisco, California, USA, 2001.
- [19] W. K. Lucas and T. Havey, Guidelines for economical concrete floor systems established using adaptive simulated annealing, in *Optimal Structural Design using Genetic and Evolutionary Computation*, edited by S. Burns, pp. 97–101, San Francisco, California, USA, 2001.
- [20] F. Erbatur and O. Hasançebi, Layout optimization using GAs and SA, in Optimal Structural Design using Genetic and Evolutionary Computation, edited by S. Burns, pp. 102–107, San Francisco, California, USA, 2001.
- [21] C.-M. Chan and P. Liu, Structural optimization using hybrid genetic algorithm, in *Optimal Structural Design using Genetic and Evolutionary Computation*, edited by S. Burns, pp. 108–113, San Francisco, California, USA, 2001.
- [22] P. Cowling and G. Kendall, The next ten years of scheduling research, in *The Next Ten Years of Scheduling Research*, edited by P. Cowling and G. Kendall, p. 115, San Francisco, California, USA, 2001.
- [23] S. Smith, Is scheduling a solved problem?, in *The Next Ten Years of Scheduling Research*, edited by P. Cowling and G. Kendall, pp. 116–120, San Francisco, California, USA, 2001.
- [24] D. Merkle and M. Middendorf, Prospects for dynamic algorithm control: Lessons from the phase structure of ant scheduling algorithms, in *The Next Ten Years of Scheduling Research*, edited by P. Cowling and G. Kendall, pp. 121–126, San Francisco, California, USA, 2001.
- [25] C. Le Pape, Integrating operations research algorithms in constraint-based scheduling: Some research directions, in *The Next Ten Years of Scheduling Research*, edited by P. Cowling and G. Kendall, pp. 127–131, San Francisco, California, USA, 2001.
- [26] D. Montana, Optimized scheduling for the masses, in *The Next Ten Years of Scheduling Research*, edited by P. Cowling and G. Kendall, pp. 132–136, San Francisco, California, USA, 2001.
- [27] W. Hart, N. Krasnogor and J. Smith, 2nd workshop on memetic algorithms: Woma2001, in *Second Workshop on Memetic Algorithms (2nd WOMA)*, edited by W. Hart, N. Krasnogor and J. Smith, pp. 138–139, San Francisco, California, USA, 2001.
- [28] S. Areibi, Memetic algorithms for vlsi physical design: Implementation issues, in *Second Workshop on Memetic Algorithms (2nd WOMA)*, edited by W. Hart, N. Krasnogor and J. Smith, pp. 140–145, San Francisco, California, USA, 2001.
- [29] V. Estivil-Castro and R. Torres-Velazques, How should feasibility be handled by genetic algorithms on constraint combinatorial optimization problems: The case of the valued n-queen problem, in Second Workshop on Memetic Algorithms (2nd WOMA), edited by W. Hart, N. Krasnogor and J. Smith, pp. 146–151, San Francisco, California, USA, 2001.
- [30] R. J. W. Hodgson, Memetic algorithm approach to thin-film optical coating design, in Second Workshop on Memetic Algorithms (2nd WOMA), edited by W. Hart, N. Krasnogor and J. Smith, pp. 152–157, San Francisco, California, USA, 2001.
- [31] A. Kilic and M. Kaya, A new local search algorithm based on genetic algorithms for the n-queen problem, in *Second Workshop on Memetic Algorithms (2nd WOMA)*, edited by W. Hart, N. Krasnogor and J. Smith, pp. 158–161, San Francisco, California, USA, 2001.

- [32] J. D. Knowles and D. W. Corne, A comparative assessment of memetic, evolutionary, and constructive algorithms for the multiobjective d-MST problem, in Second Workshop on Memetic Algorithms (2nd WOMA), edited by W. Hart, N. Krasnogor and J. Smith, pp. 162–167, San Francisco, California, USA, 2001.
- [33] P. Merz, On the performance of memetic algorithms in combinatorial optimization, in *Second Workshop on Memetic Algorithms (2nd WOMA)*, edited by W. Hart, N. Krasnogor and J. Smith, pp. 168–173, San Francisco, California, USA, 2001.
- [34] R. S. Roos, Parameter relaxation methods in memetic algorithms, in Second Workshop on Memetic Algorithms (2nd WOMA), edited by W. Hart, N. Krasnogor and J. Smith, pp. 174–179, San Francisco, California, USA, 2001.
- [35] B. A. Kadrovach *et al.*, Extending the simple genetic algorithm into multi-objective problems via mendelian pressure, in *Computation in Gene Expression*, edited by H. Kargupta, pp. 181–188, San Francisco, California, USA, 2001.
- [36] H. Kargupta, Towards machine learning through genetic code-like transformations, in Computation in Gene Expression, edited by H. Kargupta, pp. 189–198, San Francisco, California, USA, 2001.
- [37] M. A. Lones and A. M. Tyrrell, Biomimetic representation in genetic programming, in Computation in Gene Expression, edited by H. Kargupta, pp. 199–204, San Francisco, California, USA, 2001.
- [38] T. Soule and A. E. Ball, A genetic algorithm with multiple reading frames, in *Computation in Gene Expression*, edited by H. Kargupta, p. 205, San Francisco, California, USA, 2001.
- [39] P. J. Kennedy, Tempered phenotypes: Relaxing the mapping between geneotype and phenotype, in *Computation in Gene Expression*, edited by H. Kargupta, p. 206, San Francisco, California, USA, 2001.
- [40] P. A. N. Bosman and D. Thierens, Advancing continuous ideas with mixture distributions and factorization selection metrics, in *Optimization by Building and Using Probabilistic Models* (OBUPM) 2001, pp. 208–212, San Francisco, California, USA, 2001.
- [41] E. Cantú-Paz, Supervised and unsupervised discretization methods for evolutionary algorithms, in *Optimization by Building and Using Probabilistic Models (OBUPM) 2001*, pp. 213–216, San Francisco, California, USA, 2001.
- [42] M. Pelikan and D. E. Goldberg, Hierarchical bayesian optimization algorithm = bayesian optimization algorithm + niching + local structures, in *Optimization by Building and Using Probabilistic Models (OBUPM) 2001*, pp. 217–221, San Francisco, California, USA, 2001.
- [43] K. Sastry, Efficient cluster optimization using extended compact genetic algorithm with seeded population, in *Optimization by Building and Using Probabilistic Models (OBUPM) 2001*, pp. 222–225, San Francisco, California, USA, 2001.
- [44] A. Soukhal, N. Monmarché, D. Laügt and M. Slimane, How hidden markov models can help artificial ants to optimize, in *Optimization by Building and Using Probabilistic Models (OBUPM)* 2001, pp. 226–229, San Francisco, California, USA, 2001.
- [45] S. Tsutsui, M. Pelikan and D. E. Goldberg, Evolutionary algorithm using marginal histogram in continuous domain, in *Optimization by Building and Using Probabilistic Models (OBUPM) 2001*, pp. 230–233, San Francisco, California, USA, 2001.
- [46] D. Polani, T. Uthmann and K. Dautenhahn, Gecco birds-of-a-feather workshop on evolution of sensors in nature, hardware, and simulation, in *Evolution of Sensors in Nature*, *Hardware*, and *Simulation*, edited by D. Polani, T. Uthmann and K. Dautenhahn, p. 235, San Francisco, California, USA, 2001.

- [47] J. G. Howe and R. K. Belew, Developmental invariants in the evolution of agents with multiple sensors, in *Evolution of Sensors in Nature*, *Hardware*, and *Simulation*, edited by D. Polani, T. Uthmann and K. Dautenhahn, pp. 236–240, San Francisco, California, USA, 2001.
- [48] D. Polani, T. Martinetz and J. Kim, An information-theoretic approach for the quantification of relevance, in *Evolution of Sensors in Nature, Hardware, and Simulation*, edited by D. Polani, T. Uthmann and K. Dautenhahn, pp. 241–245, San Francisco, California, USA, 2001.
- [49] T. Jung, P. Dauscher and T. Uthmann, On individual learning, evolution of sensors and relevant information, in *Evolution of Sensors in Nature*, *Hardware*, and *Simulation*, edited by D. Polani, T. Uthmann and K. Dautenhahn, pp. 246–254, San Francisco, California, USA, 2001.
- [50] B. A. Julstrom, The blob code: A better string coding of spanning trees for evolutionary search, in Representations and Operators for Network Problems (ROPNET 2001), edited by F. Rothlauf, pp. 256–261, San Francisco, California, USA, 2001.
- [51] F. Rothlauf, D. E. Goldberg and A. Heinzl, On the debate concerning evolutionary search using Prüfer numbers, in *Representations and Operators for Network Problems (ROPNET 2001)*, edited by F. Rothlauf, pp. 262–267, San Francisco, California, USA, 2001.
- [52] W. Edelson and M. L. Gargano, Leaf constrained minimal spanning trees solved by a GA with feasible encodings, in *Representations and Operators for Network Problems (ROPNET 2001)*, edited by F. Rothlauf, pp. 268–271, San Francisco, California, USA, 2001.
- [53] N. Krommenacker, T. Divoux and E. Rondeau, Configuration of network architectures for cooperative systems by genetic algorithms, in *Representations and Operators for Network Problems (ROPNET 2001)*, edited by F. Rothlauf, pp. 272–275, San Francisco, California, USA, 2001.
- [54] O. Monakhov and E. Monakhova, Automatic design of families of optimal circulant networks using evolutionary computation, in *Representations and Operators for Network Problems (ROPNET 2001)*, edited by F. Rothlauf, pp. 276–281, San Francisco, California, USA, 2001.
- [55] L. Floriani, A. Caminada and A. Ferreira, Principal component analysis for data volume reduction in experimental analysis of heuristics, in *Real-life Evolutionary Design Optimisation*, edited by R. Roy, G. Jared, A. Tiwari and O. Munaux, pp. 283–288, San Francisco, California, USA, 2001.
- [56] A. Tiwari, R. Roy, G. Jared and O. Munaux, Challenges in real-life engineering design optimisation: An analysis, in *Real-life Evolutionary Design Optimisation*, edited by R. Roy, G. Jared, A. Tiwari and O. Munaux, pp. 289–294, San Francisco, California, USA, 2001.
- [57] A. M. Raich and J. Ghaboussi, Optimizing design solutions by changing the design environment during evolution, in *Real-life Evolutionary Design Optimisation*, edited by R. Roy, G. Jared, A. Tiwari and O. Munaux, pp. 295–300, San Francisco, California, USA, 2001.
- [58] W. Williams, Adapting product development with metaheuristics, in *Real-life Evolutionary Design Optimisation*, edited by R. Roy, G. Jared, A. Tiwari and O. Munaux, pp. 301–306, San Francisco, California, USA, 2001.
- [59] R. E. Smith, C. Bonacina, C. Hoile and P. Marrow, Proceedings of the EcoMAS workshop: Forward, in *Evolutionary Computation and Multi-Agent Systems (ECOMAS)*, edited by R. E. Smith, C. Bonacina, C. Hoile and P. Marrow, p. 308a, San Francisco, California, USA, 2001.
- [60] A. Defaweux et al., Niching and evolutionary transitions in MAS, in Evolutionary COmputation and Multi-Agent Systems (ECOMAS), edited by R. E. Smith, C. Bonacina, C. Hoile and P. Marrow, pp. 309–312, San Francisco, California, USA, 2001.
- [61] M. Degeratu, G. Pant and F. Menczer, Latency-dependent fitness in evolutionary multithreaded web agents, in *Evolutionary Computation and Multi-Agent Systems (ECOMAS)*, edited by R. E. Smith, C. Bonacina, C. Hoile and P. Marrow, pp. 313–316, San Francisco, California, USA, 2001.

- [62] N. E. Nawa, K. Shimohara and O. Katai, Does diversity lead to morality? on the evolution of strategies in a 3-agent alternating-offers bargaining model, in *Evolutionary Computation and Multi-Agent Systems (ECOMAS)*, edited by R. E. Smith, C. Bonacina, C. Hoile and P. Marrow, pp. 317–320, San Francisco, California, USA, 2001.
- [63] J. Sauter, H. Van Dyke Parunak, S. Brueckner and R. Matthews, Tuning synthetic pheromones with evolutionary computing, in *Evolutionary Computation and Multi-Agent Systems* (*ECOMAS*), edited by R. E. Smith, C. Bonacina, C. Hoile and P. Marrow, pp. 321–324, San Francisco, California, USA, 2001.
- [64] C. Warrender, S. Forrest and L. Segel, Effective feedback in the immune system, in *Evolutionary Computation and Multi-Agent Systems (ECOMAS)*, edited by R. E. Smith, C. Bonacina, C. Hoile and P. Marrow, pp. 325–328, San Francisco, California, USA, 2001.
- [65] S. S. Walker, R. W. Brennan and D. H. Norrie, Demonstrating emergent intelligence: An evolutionary multi-agent system for job shop scheduling, in *Evolutionary Computation and Multi-Agent Systems (ECOMAS)*, edited by R. E. Smith, C. Bonacina, C. Hoile and P. Marrow, pp. 329–332, San Francisco, California, USA, 2001.
- [66] R. Poli and C. Stephens, Dynamics of evolutionary algorithms: A panel discussion, in *Dynamics of Evolutionary Algorithms*, edited by C. Stephens and R. Poli, p. 334, San Francisco, California, USA, 2001.
- [67] P. L. Lanzi, W. Stolzmann and S. W. Wilson, Fourth international workshop on learning classifier systems - IWLCS-2001, in Fourth International Workshop on Learning Classifier Systems -IWLCS-2001, p. 336, San Francisco, California, USA, 2001.
- [68] E. Bernado, X. Llora and J. M. Garrell, XCS and GALE: a comparative study of two learning classifier systems with six other learning algorithms on classification tasks, in *Fourth International Workshop on Learning Classifier Systems - IWLCS-2001*, pp. 337–341, San Francisco, California, USA, 2001.
- [69] L. Davis, C. Fu and S. W. Wilson, An incremental multiplexer problem and its uses in classifier system research, in *Fourth International Workshop on Learning Classifier Systems - IWLCS-2001*, pp. 342–344, San Francisco, California, USA, 2001.
- [70] P. W. Dixon, D. W. Corne and M. J. Oates, A preliminary investigation of modified XCS as a generic data mining tool, in *Fourth International Workshop on Learning Classifier Systems -IWLCS-2001*, pp. 345–350, San Francisco, California, USA, 2001.
- [71] G. Enee and C. Escazut, A minimal model of communication for a multi-agent classifier system, in Fourth International Workshop on Learning Classifier Systems - IWLCS-2001, pp. 351–356, San Francisco, California, USA, 2001.
- [72] J. Hurst and L. Bull, A self-adaptive XCS, in Fourth International Workshop on Learning Classifier Systems IWLCS-2001, pp. 357–361, San Francisco, California, USA, 2001.
- [73] L. M. Hercog and T. C. Fogarty, Social simulation using a multi-agent model based on classifier systems: The emergence of vacillating behaviour in "el farol" bar problem, in *Fourth International Workshop on Learning Classifier Systems - IWLCS-2001*, pp. 362–366, San Francisco, California, USA, 2001.
- [74] T. Kovacs, Two views of classifier systems, in Fourth International Workshop on Learning Classifier Systems - IWLCS-2001, pp. 367–371, San Francisco, California, USA, 2001.
- [75] P. A. Vargas, F. J. Von Zuben and C. L. Filho, Classifier systems for loss reduction on electric power distribution networks, in *Fourth International Workshop on Learning Classifier Systems -IWLCS-2001*, pp. 372–376, San Francisco, California, USA, 2001.
- [76] M. V. Butz, Model exploitation for faster model learning in an anticipatory learning classifier system, in Fourth International Workshop on Learning Classifier Systems - IWLCS-2001, pp. 377–378, San Francisco, California, USA, 2001.

- [77] J. H. Holmes, A representation for accuracy-based assessment of classifier performance, in Fourth International Workshop on Learning Classifier Systems - IWLCS-2001, pp. 379–380, San Francisco, California, USA, 2001.
- [78] S. Schulenburg and P. Ross, An LCS approach to increasing returns: On market efficiency and evolution, in Fourth International Workshop on Learning Classifier Systems - IWLCS-2001, p. 381, San Francisco, California, USA, 2001.
- [79] S. Schulenburg and P. Ross, An LCS approach to increasing returns: Exploring information sets and rule complexity, in *Fourth International Workshop on Learning Classifier Systems IWLCS-2001*, pp. 382–383, San Francisco, California, USA, 2001.
- [80] T. Abou-Assaleh, J. Zhang and N. Cercone, Evolution of recurrent neural networks to control autonomous life agents, in *Graduate Student Workshop*, edited by C. Ryan, pp. 385–388, San Francisco, California, USA, 2001.
- [81] L. A. Anbarasu, Parallel genetic algorithm for multiple sequence alignment problem, in *Graduate Student Workshop*, edited by C. Ryan, pp. 389–392, San Francisco, California, USA, 2001.
- [82] K. H. Ang and Y. Li, Multi-objective benchmark studies for evolutionary computation, in *Graduate Student Workshop*, edited by C. Ryan, pp. 393–396, San Francisco, California, USA, 2001.
- [83] M. C. Bot, Feature extraction for the k-nearest neighbour classifier with genetic programming, in *Graduate Student Workshop*, edited by C. Ryan, pp. 397–400, San Francisco, California, USA, 2001.
- [84] D. R. Carvalho and A. A. Freitas, An immunological algorithm for discovering small-disjunct rules in data mining, in *Graduate Student Workshop*, edited by C. Ryan, pp. 401–404, San Francisco, California, USA, 2001.
- [85] E. S. Correa, A genetic algorithm for the p-median problem, in *Graduate Student Workshop*, edited by C. Ryan, pp. 405–408, San Francisco, California, USA, 2001.
- [86] M. Ekman and P. Nordin, Evolvable hardware using state-machines, in Graduate Student Workshop, edited by C. Ryan, pp. 409–412, San Francisco, California, USA, 2001.
- [87] M. Hemberg and U.-M. O'Reilly, GENR8 a design tool for surface generation, in *Graduate Student Workshop*, edited by C. Ryan, pp. 413–416, San Francisco, California, USA, 2001.
- [88] H.-D. Jin, Genetic-guided model-based clustering algorithms and their scalability, in *Graduate Student Workshop*, edited by C. Ryan, pp. 417–420, San Francisco, California, USA, 2001.
- [89] J. Li and R. S. K. Kwan, Evolutionary driver scheduling with fuzzy evaluation, in *Graduate Student Workshop*, edited by C. Ryan, pp. 421–424, San Francisco, California, USA, 2001.
- [90] M. A. Lones and A. M. Tyrrell, Pathways into genetic programming, in *Graduate Student Workshop*, edited by C. Ryan, pp. 425–428, San Francisco, California, USA, 2001.
- [91] D. Monett, On the automation of evolutionary techniques and their application to inverse problems from chemical kinetics, in *Graduate Student Workshop*, edited by C. Ryan, pp. 429–432, San Francisco, California, USA, 2001.
- [92] J. S. Parker and J. H. Moore, Dynamics based pattern recognition and parallel genetic algorithms for the analysis of multivariate gene expression data, in *Graduate Student Workshop*, edited by C. Ryan, pp. 433–436, San Francisco, California, USA, 2001.
- [93] M. Reimann, On some ideas of multi-colony ant approaches, in *Graduate Student Workshop*, edited by C. Ryan, pp. 437–440, San Francisco, California, USA, 2001.
- [94] J. Scholoman and B. Blackford, Genetic programming evolves a human-competitive player for a complex, on-line, interactive, multi-player game of strategy, in *Graduate Student Workshop*, edited by C. Ryan, pp. 441–444, San Francisco, California, USA, 2001.

- [95] O. T. Sehitoglu, A concurrent constraint programming approach to genetic algorithms, in *Graduate Student Workshop*, edited by C. Ryan, pp. 445–448, San Francisco, California, USA, 2001.
- [96] I. A. C. Soute, M. J. G. van de Molengraft and G. Z. Angelis, Using genetic programming to find lyapunov functions, in *Graduate Student Workshop*, edited by C. Ryan, pp. 449–452, San Francisco, California, USA, 2001.
- [97] D. Wallin, Adaptation of hyper objects for classification, in *Graduate Student Workshop*, edited by C. Ryan, pp. 453–456, San Francisco, California, USA, 2001.