Список литературы

- [1] A. S. Wu, editor, Orlando, Florida, USA, 1999.
- [2] N. Kubota and T. Fukuda, Hierarchical coding in coevolutionary algorithms, in *Coevolutionary Algorithms and Coevolving Agents*, edited by C. G. Johnson, B. Olsson, and S. Romaniuk, pp. 2–4, Orlando, Florida, USA, 1999.
- [3] S. G. Romaniuk, From agent collaboration and communication to speciation and simplified software design, in *Coevolutionary Algorithms and Coevolving Agents*, edited by C. G. Johnson, B. Olsson, and S. Romaniuk, pp. 5–7, Orlando, Florida, USA, 1999.
- [4] S. Sen, A. Biswas, S. Debnath, and N. Puppala, Cooperative coevolution using shared memory, in *Coevolutionary Algorithms and Coevolving Agents*, edited by C. G. Johnson, B. Olsson, and S. Romaniuk, pp. 8–11, Orlando, Florida, USA, 1999.
- [5] S. Sen, M. Mundhe, and S. Debnath, Evolving agent societies that avoid social dilemmas, in Coevolutionary Algorithms and Coevolving Agents, edited by C. G. Johnson, B. Olsson, and S. Romaniuk, pp. 12–14, Orlando, Florida, USA, 1999.
- [6] C. C. Maley, Methodologies in the use of computational models for theoretical biology, in Computational Models in Theoretical Biology, edited by C. C. Maley, pp. 16–19, Orlando, Florida, USA, 1999.
- [7] M. A. Bedau, Can unrealistic computer models illuminate theoretical biology?, in *Computational Models in Theoretical Biology*, edited by C. C. Maley, pp. 20–23, Orlando, Florida, USA, 1999.
- [8] A. S. Wu, C. L. Ramsey, D. S. Burke, K. A. De Jong, and J. J. Grefenstette, An evolutionary computation model for studying viral evolution, in *Computational Models in Theoretical Biology*, edited by C. C. Maley, pp. 24–28, Orlando, Florida, USA, 1999.
- [9] P. Marrow, Evolvability: Evolvability, computation, biology, in *Evolvability*, edited by P. Marrow,
 M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, pp. 30–33, Orlando, Florida, USA, 1999.
- [10] M. A. Bedau, Quantifying the extent and intensity of adaptive evolution, in *Evolvability*, edited by P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, pp. 34–37, Orlando, Florida, USA, 1999.
- [11] M. Glickman and K. Sycara, Comparing mechanisms for evolving evolvability, in *Evolvability*, edited by P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, pp. 38–41, Orlando, Florida, USA, 1999.
- [12] C. Ofria, Robustness and evolvability of programming languages, in *Evolvability*, edited by P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, p. 42, Orlando, Florida, USA, 1999.
- [13] P. D. Turney, Increasing evolvability considered as a large scale trend in evolution, in *Evolvability*, edited by P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, pp. 43–46, Orlando, Florida, USA, 1999.
- [14] G. P. Wagner, The quantitative genetic theory of evolvability, in *Evolvability*, edited by P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, pp. 47–50, Orlando, Florida, USA, 1999.
- [15] T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, Foundations of genetic programming: Preface, in *Foundations of Genetic Programming*, edited by T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, p. 52, Orlando, Florida, USA, 1999.
- [16] J. M. Daida, Reconnoiter by candle: Identifying assumptions in genetic programming, in Foundations of Genetic Programming, edited by T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, pp. 53–54, Orlando, Florida, USA, 1999.

- [17] W. B. Langdon, Linear increase in tree height leads to sub-quadratic bloat, in *Foundations of Genetic Programming*, edited by T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, pp. 55–56, Orlando, Florida, USA, 1999.
- [18] P. Nordin, W. Banzhaf, and F. D. Francone, Compression of effective size in genetic programming, in *Foundations of Genetic Programming*, edited by T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, pp. 57–60, Orlando, Florida, USA, 1999.
- [19] R. Poli, Schema theory without expectations for gp and gas with one-point crossover in the presence of schema creation, in *Foundations of Genetic Programming*, edited by T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, pp. 61–63, Orlando, Florida, USA, 1999.
- [20] J. Rosca, Genetic programming acquires solutions by combining top-down and bottom-up refinement, in *Foundations of Genetic Programming*, edited by T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, pp. 64–65, Orlando, Florida, USA, 1999.
- [21] X. Yao, Universal approximation by genetic programming, in *Foundations of Genetic Programming*, edited by T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, pp. 66–67, Orlando, Florida, USA, 1999.
- [22] B.-T. Zhang, Bayesian genetic programming, in Foundations of Genetic Programming, edited by T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, pp. 68–70, Orlando, Florida, USA, 1999.
- [23] T. S. Hussain, Workshop on advanced grammar techniques within genetic programming and evolutionary computation, in *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, edited by T. S. Hussain, p. 72, Orlando, Florida, USA, 1999.
- [24] B. J. Rose, Logic-based genetic programming with definite clause translation grammars, in Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation, edited by T. S. Hussain, pp. 73–75, Orlando, Florida, USA, 1999.
- [25] C. Jacob, Lindenmayer systems and growth program evolution, in Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation, edited by T. S. Hussain, pp. 76–79, Orlando, Florida, USA, 1999.
- [26] C. Z. Janikow, Constrained genetic programming, in Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation, edited by T. S. Hussain, pp. 80–82, Orlando, Florida, USA, 1999.
- [27] T. S. Hussain and R. A. Browse, Genetic operators with dynamic biases that operate on attribute grammar representations of neural networks, in *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, edited by T. S. Hussain, pp. 83–86, Orlando, Florida, USA, 1999.
- [28] J. M. Daida, The methodology, pedagogy, and philosophy of genetic and evolutionary computation: Reporting and research practices, in *The Methodology, Pedagogy, and Philosophy* of Genetic and Evolutionary Computation, edited by J. M. Daida, pp. 88–92, Orlando, Florida, USA, 1999.
- [29] T. D. Collins, Evolutionary computation visualization, in *Evolutionary Computation Visualization*, edited by T. D. Collins, pp. 94–95, Orlando, Florida, USA, 1999.
- [30] M. A. Bedau, S. Joshi, and B. Lillie, Visualizing waves of evolutionary activity of alleles, in Evolutionary Computation Visualization, edited by T. D. Collins, pp. 96–98, Orlando, Florida, USA, 1999.
- [31] J. J. Collins, Visualization of evolutionary algorithms using principal components analysis, in Evolutionary Computation Visualization, edited by T. D. Collins, pp. 99–100, Orlando, Florida, USA, 1999.

- [32] H. Pohlheim, Visualization of evolutionary algorithms: Real-world application of standard techniques and multidimensional visualization, in *Evolutionary Computation Visualization*, edited by T. D. Collins, pp. 101–103, Orlando, Florida, USA, 1999.
- [33] W. M. Spears, An overview of multidimensional visualization techniques, in *Evolutionary Computation Visualization*, edited by T. D. Collins, pp. 104–105, Orlando, Florida, USA, 1999.
- [34] A. S. Wu, C. L. Ramsey, K. A. De Jong, J. J. Grefenstette, and D. S. Burke, Vis: A genetic algorithm visualization tool, in *Evolutionary Computation Visualization*, edited by T. D. Collins, pp. 106–109, Orlando, Florida, USA, 1999.
- [35] K. Deb, Organizer's comments, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 111–112, Orlando, Florida, USA, 1999.
- [36] D. A. V. Veldhuizen and G. B. Lamont, Moea test suite generation, design, and use, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 113–114, Orlando, Florida, USA, 1999.
- [37] F. Jimenez, J. L. Verdegay, and A. F. Gomez-Skarmeta, Evolutionary techniques for constrained multiobjective optimization problems, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 115–116, Orlando, Florida, USA, 1999.
- [38] C. A. C. Coello, Constraint handling through a multiobjective optimization technique, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 117–118, Orlando, Florida, USA, 1999.
- [39] K. J. Shaw, C. M. Fonseca, and P. J. Fleming, A simple demonstration of a quantitative technique for comparing multiobjective genetic algorithm performance, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 119–120, Orlando, Florida, USA, 1999.
- [40] E. Zitzler, K. Deb, and L. Thiele, Comparison of multiobjective evolutionary algorithms on test functions of different difficulty, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 121–122, Orlando, Florida, USA, 1999.
- [41] J. Knowles and D. Corne, Assessing the performance of the pareto archived evolution strategy, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 123–124, Orlando, Florida, USA, 1999.
- [42] D. A. V. Veldhuizen and G. B. Lamont, Genetic algorithms, building blocks, and multiobjective optimization, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 125–126, Orlando, Florida, USA, 1999.
- [43] T. T. Binh, A multiobjective evolutionary algorithm: The study cases, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 127–128, Orlando, Florida, USA, 1999.
- [44] A. G. Cunha, P. Oliveira, and J. A. Covas, Genetic algorithms in multiobjective optimization problems: An application to polymer extrusion, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 129–130, Orlando, Florida, USA, 1999.
- [45] A. Herreros, E. Baeyens, and J. R. Peran, Design of multiobjective robust controllers using genetic algorithms, in *Multi-criterion Optimization Using Evolutionary Methods*, edited by K. Deb, pp. 131–132, Orlando, Florida, USA, 1999.
- [46] J. Branke, Evolutionary approaches to dynamic optimization problems a survey, in *Evolutionary Algorithms for Dynamic Optimization Problems*, edited by J. Branke and T. Baeck, pp. 134–137, Orlando, Florida, USA, 1999.
- [47] D. C. Mattfeld and C. Bierwirth, Adaptation and dynamic optimization problems: A view from general system theory, in *Evolutionary Algorithms for Dynamic Optimization Problems*, edited by J. Branke and T. Baeck, pp. 138–141, Orlando, Florida, USA, 1999.

- [48] T. Baeck, Self-adaptive genetic algorithms for dynamic environments with slow dynamics, in *Evolutionary Algorithms for Dynamic Optimization Problems*, edited by J. Branke and T. Baeck, pp. 142–145, Orlando, Florida, USA, 1999.
- [49] C. L. Karr, An architecture for adaptive process control systems, in *Evolutionary Algorithms for Dynamic Optimization Problems*, edited by J. Branke and T. Baeck, pp. 146–148, Orlando, Florida, USA, 1999.
- [50] R. Santana, A. Ochoa, and M. R. Soto, Evolutionary algorithms for dynamic optimization problems: An approach using evolutionary theory and the incident edge model, in *Evolutionary Algorithms for Dynamic Optimization Problems*, edited by J. Branke and T. Baeck, pp. 149–152, Orlando, Florida, USA, 1999.
- [51] L. A. Anbarasu, P. Narayanasamy, and V. Sundararajan, Multiple sequence alignment by parallely evolvable genetic algorithms, in *Evolutionary Computation and Parallel Processing*, edited by E. Cantu-Paz and B. Punch, pp. 154–156, Orlando, Florida, USA, 1999.
- [52] R. Bradwell and K. Brown, Parallel asynchronous memetic algorithms, in *Evolutionary Computation and Parallel Processing*, edited by E. Cantu-Paz and B. Punch, pp. 157–159, Orlando, Florida, USA, 1999.
- [53] A. Braud and C. Vrain, A parallel genetic algorithm based on the bsp model, in *Evolutionary Computation and Parallel Processing*, edited by E. Cantu-Paz and B. Punch, pp. 160–162, Orlando, Florida, USA, 1999.
- [54] F. S. Chong, Java based distributed genetic programming on the internet, in *Evolutionary Computation and Parallel Processing*, edited by E. Cantu-Paz and B. Punch, pp. 163–166, Orlando, Florida, USA, 1999.
- [55] B. D. Davison and K. Rasheed, Effect of global parallelism on a steady state ga, in *Evolutionary Computation and Parallel Processing*, edited by E. Cantu-Paz and B. Punch, pp. 167–170, Orlando, Florida, USA, 1999.
- [56] L. He and N. Mort, Application of parallel genetic algorithms to combinatorial multimodal optimization problems, in *Evolutionary Computation and Parallel Processing*, edited by E. Cantu-Paz and B. Punch, pp. 171–173, Orlando, Florida, USA, 1999.
- [57] H. Pohlheim, S. Pawletta, and A. Westphal, Parallel evolutionary optimization under matlab on standard computing networks, in *Evolutionary Computation and Parallel Processing*, edited by E. Cantu-Paz and B. Punch, pp. 174–176, Orlando, Florida, USA, 1999.
- [58] 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. 178, Orlando, Florida, USA, 1999.
- [59] J. E. Love and K. M. Johnson, Evolving natural and artificial gravisensory systems, in Evolution of Sensors in Nature, Hardware, and Simulation, edited by D. Polani, T. Uthmann, and K. Dautenhahn, pp. 179–183, Orlando, Florida, USA, 1999.
- [60] C. Mautner, Exploring sensor usage in simulated evolutionary robotics, in *Evolution of Sensors in Nature*, Hardware, and Simulation, edited by D. Polani, T. Uthmann, and K. Dautenhahn, pp. 184–185, Orlando, Florida, USA, 1999.
- [61] A. Alissandrakis and K. Dautenhahn, Evolution of vision-based agent behavior in hilly landscapes, in *Evolution of Sensors in Nature, Hardware, and Simulation*, edited by D. Polani, T. Uthmann, and K. Dautenhahn, pp. 186–190, Orlando, Florida, USA, 1999.
- [62] M. C. Sinclair and A. F. Clark, Evolving an artificial vision system: Initial considerations, in Evolution of Sensors in Nature, Hardware, and Simulation, edited by D. Polani, T. Uthmann, and K. Dautenhahn, pp. 191–195, Orlando, Florida, USA, 1999.

- [63] B. Hutt and D. Keating, The evolution of an eye in visually guided foraging agents, in Evolution of Sensors in Nature, Hardware, and Simulation, edited by D. Polani, T. Uthmann, and K. Dautenhahn, pp. 196–200, Orlando, Florida, USA, 1999.
- [64] A. Liese, D. Polani, and T. Uthmann, Evolution of the spectral properties of a visual agent receptor, in *Evolution of Sensors in Nature*, *Hardware*, and *Simulation*, edited by D. Polani, T. Uthmann, and K. Dautenhahn, pp. 201–206, Orlando, Florida, USA, 1999.
- [65] M. C. Sinclair, D. Corne, and G. D. Smith, Evolutionary telecommunications: Past, present, and future, in *Evolutionary Telecommunications: Past, Present, and Future*, edited by M. C. Sinclair, D. Corne, and G. D. Smith, p. 208, Orlando, Florida, USA, 1999.
- [66] M. C. Sinclair, Evolutionary telecommunications: A summary, in Evolutionary Telecommunications: Past, Present, and Future, edited by M. C. Sinclair, D. Corne, and G. D. Smith, pp. 209–212, Orlando, Florida, USA, 1999.
- [67] L. Davis, Telecommunications and the evolution of algorithms, in *Evolutionary Telecommunications: Past, Present, and Future*, edited by M. C. Sinclair, D. Corne, and G. D. Smith, pp. 213–214, Orlando, Florida, USA, 1999.
- [68] M. Munetomo, Designing genetic algorithms for adaptive routing algorithms in the internet, in Evolutionary Telecommunications: Past, Present, and Future, edited by M. C. Sinclair, D. Corne, and G. D. Smith, pp. 215–216, Orlando, Florida, USA, 1999.
- [69] G. D. Smith, Genetic algorithms for mobile and satellite telecommunication systems, in Evolutionary Telecommunications: Past, Present, and Future, edited by M. C. Sinclair, D. Corne, and G. D. Smith, pp. 217–218, Orlando, Florida, USA, 1999.
- [70] R. E. Smith, Embodiment of evolutionary computation in network agents, in *Evolutionary Telecommunications: Past, Present, and Future*, edited by M. C. Sinclair, D. Corne, and G. D. Smith, pp. 219–220, Orlando, Florida, USA, 1999.
- [71] D. H. Wood, Getting our bearings in dna computing: A panel discussion, in Getting Our Bearings in DNA Computing, edited by D. H. Wood, pp. 222–224, Orlando, Florida, USA, 1999.
- [72] A. A. Freitas, A summary of the papers presented at the joint aaai-99 and gecco-99 workshop on data mining with evolutionary algorithms: Research directions, in *Joint GECCO-99 and AAAI-*99 Workshop Data Mining with Evolutionary Algorithms: Research Directions, edited by A. A. Freitas, p. 226, Orlando, Florida, USA, 1999.
- [73] A. Bonarini, C. Bonacina, and M. Matteucci, Fuzzy and crisp representations of real-valued input for learning classifier systems, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 228–235, Orlando, Florida, USA, 1999.
- [74] L. B. Booker, Do we really need to estimate rule utilities in classifier systems?, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 236–241, Orlando, Florida, USA, 1999.
- [75] M. Butz and W. Stolzmann, Action-planning in anticipatory classifier systems, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 242–249, Orlando, Florida, USA, 1999.
- [76] J. H. Holmes, Quantitative methods for evaluating learning classifier system performance in forced two-choice decision tasks, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 250–257, Orlando, Florida, USA, 1999.
- [77] T. Kovacs, Strength or accuracy? a comparison of two approaches to fitness calculation in learning classifier systems, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 258–265, Orlando, Florida, USA, 1999.

- [78] C. Lattaud, Non-homogenous classifier systems in a macro-evolution process, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 266–271, Orlando, Florida, USA, 1999.
- [79] S. Saxon and A. Barry, Xcs and the monk's problems, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 272–281, Orlando, Florida, USA, 1999.
- [80] R. E. Smith, B. A. Dike, B. Ravichandran, A. El-Fallah, and R. K. Mehra, The fighter aircraft lcs: A case of different lcs goals and techniques, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 282–289, Orlando, Florida, USA, 1999.
- [81] W. Stolzmann, Latent learning in khepera robots with anticipatory classifier systems, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 290–297, Orlando, Florida, USA, 1999.
- [82] A. Tomlinson and L. Bull, A corporate xcs, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 298–305, Orlando, Florida, USA, 1999.
- [83] A. Tomlinson and L. Bull, A zeroth level corporate classifier system, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 306–313, Orlando, Florida, USA, 1999.
- [84] T. H. Westerdale, Wilson's error measurement and the markov property identifying detrimental classifiers, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 314–321, Orlando, Florida, USA, 1999.
- [85] S. W. Wilson, State of xcs classifier system research, in 2nd International Workshop on Learning Classifier Systems, edited by P. L. Lanzi, W. Stolzmann, and S. W. Wilson, pp. 322–334, Orlando, Florida, USA, 1999.
- [86] E. Antipov, A max 1s problem in dna computing via gas, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 338, Orlando, Florida, USA, 1999.
- [87] A. Anwar, Sparse distributed memory with evolutionary mechanisms, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 339–340, Orlando, Florida, USA, 1999.
- [88] S. Card, Genetic programming of wavelet networks for time series prediction, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 341–342, Orlando, Florida, USA, 1999.
- [89] J. J. R. Cardalda, Musical adaptive systems, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 343–344, Orlando, Florida, USA, 1999.
- [90] J. C. Costa, Artificial life modeling of downy mildew of the grapevine, in Graduate Student Workshop, edited by U.-M. O'Reilly, pp. 346–347, Orlando, Florida, USA, 1999.
- [91] J. R. R. Dopico, Search and generation of heuristic rules of experience for the simplification of ann training with genetic algorithm, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 348, Orlando, Florida, USA, 1999.
- [92] C. Eldershaw and S. Cameron, Motion planning using gas, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 349, Orlando, Florida, USA, 1999.
- [93] S. Etaner-Uyar, New operators and dominance scheme for a diploid ga, in Graduate Student Workshop, edited by U.-M. O'Reilly, pp. 350–351, Orlando, Florida, USA, 1999.
- [94] S. A. Feyzbakhsh, The new methodology of adam-eve-like genetic algorithm for cost optimization, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 352, Orlando, Florida, USA, 1999.

- [95] M. Gallego-Schmid, Modified antnet: software application in the evaluation and management of a telecommunication network, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 353–354, Orlando, Florida, USA, 1999.
- [96] M. Giacobini, A randomness test for binary sequences based on evolutionary algorithms, in Graduate Student Workshop, edited by U.-M. O'Reilly, pp. 355–356, Orlando, Florida, USA, 1999.
- [97] J. I. Hidalgo, Graph partitioning methods for multi-fpga systems and reconfigurable hardware using genetic algorithms, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 357–358, Orlando, Florida, USA, 1999.
- [98] T. Kalganova, A new evolutionary hardware approach for logic design, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 360–361, Orlando, Florida, USA, 1999.
- [99] U. Kanade, A study of arithmetic genetic encoding for highly randomized fitness landscapes, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 362–363, Orlando, Florida, USA, 1999.
- [100] V. Karle, Algorithm for the paratransit vehicle routing problem using a modified crossover operator based on adjacency relations, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 364, Orlando, Florida, USA, 1999.
- [101] M. Keijzer, Scientific discovery using genetic programming, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 365–366, Orlando, Florida, USA, 1999.
- [102] A. Khalak, Evolutionary model of open source software: economic impact, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 367–368, Orlando, Florida, USA, 1999.
- [103] J. Kim, An artificial immune system for network intrusion detection, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 369–370, Orlando, Florida, USA, 1999.
- [104] N. Krasnogor, Coevolution of genes and memes in memetic algorithms, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 371, Orlando, Florida, USA, 1999.
- [105] S. Kumar, Lessons from nature: The benefits of embryology, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 372–373, Orlando, Florida, USA, 1999.
- [106] J. Li, Fgp: A genetic programming tool for financial prediction, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 374, Orlando, Florida, USA, 1999.
- [107] D. Livingstone, On modelling the evolution of language and languages, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 375–376, Orlando, Florida, USA, 1999.
- [108] E. Lukschandl, Evolving the behavior of collaborating entities using genetic programming, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 377–378, Orlando, Florida, USA, 1999.
- [109] A. Marino, Sexual vs. asexual recombination for the graph coloring problem with hybrid genetic algorithms, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 379–380, Orlando, Florida, USA, 1999.
- [110] R. Mehrotra, Gust loads and gust methods for predicting aircraft loads and dynamic response, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 381–382, Orlando, Florida, USA, 1999.
- [111] D. Monett, Genetic algorithm techniques and intelligent agents design for the mathematical modeling of chemical processes in medicine, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 383–385, Orlando, Florida, USA, 1999.
- [112] E. Noda, Discovering interesting prediction rules with a genetic algorithm, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 386–387, Orlando, Florida, USA, 1999.

- [113] G. Ochoa, The multiple roles of recombination in gas, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 388, Orlando, Florida, USA, 1999.
- [114] L. Olsson, Strategy evolution for electronic markets using genetic programming, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 389, Orlando, Florida, USA, 1999.
- [115] M. O'Neill, Automatic programming with grammatical evolution, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 390–391, Orlando, Florida, USA, 1999.
- [116] A. Parandekar, Genetic algorithm-based optimizer: A java based teaching tool, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 392–393, Orlando, Florida, USA, 1999.
- [117] V. Podgorelec, Medical diagnosis prediction using genetic programming, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 394–395, Orlando, Florida, USA, 1999.
- [118] R. Porter, Ga-accelerators using fpgas, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 396–397, Orlando, Florida, USA, 1999.
- [119] D. K. Pratihar, Optimal path and gait generations simultaneously of a six-legged robot using a ga-fuzzy approach, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 398–399, Orlando, Florida, USA, 1999.
- [120] T. Quick, Embodiment as situated structural coupling, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 400, Orlando, Florida, USA, 1999.
- [121] B. Rekiek, Multiple-objectives genetic algorithm, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 401, Orlando, Florida, USA, 1999.
- [122] R. Santana, On estimation distribution algorithms, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 402, Orlando, Florida, USA, 1999.
- [123] L. Sheehan, Self-tuning evolutionary system, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 403, Orlando, Florida, USA, 1999.
- [124] J. bin Suen and J. shiang Kouh, Genetic algorithms for optimal series propeller design, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 404–405, Orlando, Florida, USA, 1999.
- [125] A. Suppapitnarm, Simulated annealing: An alternative approach to true multiobjective optimization, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 406–407, Orlando, Florida, USA, 1999.
- [126] F. Taghiyareh, Toward designing a new parallel fine-grain genetic algorithm, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 408, Orlando, Florida, USA, 1999.
- [127] C. Teuscher, Romero's pilgrimage to santa fe: A tale of robot evolution, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 409–410, Orlando, Florida, USA, 1999.
- [128] C. V. Hoyweghen, Symmetry in the representation of an optimization problem, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 411, Orlando, Florida, USA, 1999.
- [129] O. Vele-Langs, A genetic metaheuristic for traveling salespersons problem, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 412–413, Orlando, Florida, USA, 1999.
- [130] M. Voss, Evolutionary algorithm for structural optimization, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 414–415, Orlando, Florida, USA, 1999.
- [131] R. Watson, Evolution and problem decomposition, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 416–417, Orlando, Florida, USA, 1999.
- [132] S. Zemke, Amalgamation of genetic selection and boosting, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, pp. 418–419, Orlando, Florida, USA, 1999.
- [133] J. Zhang, Niching in an es context, in *Graduate Student Workshop*, edited by U.-M. O'Reilly, p. 420, Orlando, Florida, USA, 1999.