

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 parallelly 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. Pratihari, 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.