

Список литературы

- [Alissandrakis and Dautenhahn, 1999] Alissandrakis, A. and Dautenhahn, K. (1999). "Evolution of vision-based agent behavior in hilly landscapes". In Polani, D.; Uthmann, T.; and Dautenhahn, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 186–190, Orlando, Florida, USA.
- [Anbarasu et al., 1999] Anbarasu, L. A.; Narayanasamy, P.; and Sundararajan, V. (1999). "Multiple sequence alignment by parallelly evolvable genetic algorithms". In Cantu-Paz, E. and Punch, B., editors, *Evolutionary Computation and Parallel Processing*, pages 154–156, Orlando, Florida, USA.
- [Antipov, 1999] Antipov, E. (1999). "A Max 1s problem in DNA computing via GAs". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 338, Orlando, Florida, USA.
- [Anwar, 1999] Anwar, A. (1999). "Sparse distributed memory with evolutionary mechanisms". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 339–340, Orlando, Florida, USA.
- [Baeck, 1999] Baeck, T. (1999). "Self-adaptive genetic algorithms for dynamic environments with slow dynamics". In Branke, J. and Baeck, T., editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pages 142–145, Orlando, Florida, USA.
- [Bedau, 1999a] Bedau, M. A. (1999a). "Can unrealistic computer models illuminate theoretical biology?". In Maley, C. C., editor, *Computational Models in Theoretical Biology*, pages 20–23, Orlando, Florida, USA.
- [Bedau, 1999b] Bedau, M. A. (1999b). "Quantifying the extent and intensity of adaptive evolution". In Marrow, P.; Shackleton, M.; Fernandez-Villacanas, J.-L.; and Ray, T., editors, *Evolvability*, pages 34–37, Orlando, Florida, USA.
- [Bedau et al., 1999] Bedau, M. A.; Joshi, S.; and Lillie, B. (1999). "Visualizing waves of evolutionary activity of alleles". In Collins, T. D., editor, *Evolutionary Computation Visualization*, pages 96–98, Orlando, Florida, USA.
- [bin Suen and shiang Kouh, 1999] bin Suen, J. and shiang Kouh, J. (1999). "Genetic algorithms for optimal series propeller design". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 404–405, Orlando, Florida, USA.
- [Binh, 1999] Binh, T. T. (1999). "A multiobjective evolutionary algorithm: The study cases". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 127–128, Orlando, Florida, USA.
- [Bonarini et al., 1999] Bonarini, A.; Bonacina, C.; and Matteucci, M. (1999). "Fuzzy and crisp representations of real-valued input for learning classifier systems". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 228–235, Orlando, Florida, USA.
- [Booker, 1999] Booker, L. B. (1999). "Do we really need to estimate rule utilities in classifier systems?". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 236–241, Orlando, Florida, USA.
- [Bradwell and Brown, 1999] Bradwell, R. and Brown, K. (1999). "Parallel asynchronous memetic algorithms". In Cantu-Paz, E. and Punch, B., editors, *Evolutionary Computation and Parallel Processing*, pages 157–159, Orlando, Florida, USA.
- [Branke, 1999] Branke, J. (1999). "Evolutionary approaches to dynamic optimization problems - A survey". In Branke, J. and Baeck, T., editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pages 134–137, Orlando, Florida, USA.
- [Braud and Vrain, 1999] Braud, A. and Vrain, C. (1999). "A parallel genetic algorithm based on the BSP model". In Cantu-Paz, E. and Punch, B., editors, *Evolutionary Computation and Parallel Processing*, pages 160–162, Orlando, Florida, USA.

- [Butz and Stolzmann, 1999] Butz, M. and Stolzmann, W. (1999). "Action-planning in anticipatory classifier systems". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 242–249, Orlando, Florida, USA.
- [Card, 1999] Card, S. (1999). "Genetic programming of wavelet networks for time series prediction". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 341–342, Orlando, Florida, USA.
- [Cardalda, 1999] Cardalda, J. J. R. (1999). "Musical adaptive systems". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 343–344, Orlando, Florida, USA.
- [Chong, 1999] Chong, F. S. (1999). "Java based distributed genetic programming on the internet". In Cantu-Paz, E. and Punch, B., editors, *Evolutionary Computation and Parallel Processing*, pages 163–166, Orlando, Florida, USA.
- [Coello, 1999] Coello, C. A. C. (1999). "Constraint handling through a multiobjective optimization technique". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 117–118, Orlando, Florida, USA.
- [Collins, 1999a] Collins, J. J. (1999a). "Visualization of evolutionary algorithms using principal components analysis". In Collins, T. D., editor, *Evolutionary Computation Visualization*, pages 99–100, Orlando, Florida, USA.
- [Collins, 1999b] Collins, T. D. (1999b). "Evolutionary computation visualization". In Collins, T. D., editor, *Evolutionary Computation Visualization*, pages 94–95, Orlando, Florida, USA.
- [Costa, 1999] Costa, J. C. (1999). "Artificial life modeling of downy mildew of the grapevine". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 346–347, Orlando, Florida, USA.
- [Cunha et al., 1999] Cunha, A. G.; Oliveira, P.; and Covas, J. A. (1999). "Genetic algorithms in multiobjective optimization problems: An application to polymer extrusion". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 129–130, Orlando, Florida, USA.
- [Daida, 1999a] Daida, J. M. (1999a). "The methodology, pedagogy, and philosophy of genetic and evolutionary computation: Reporting and research practices". In Daida, J. M., editor, *The Methodology, Pedagogy, and Philosophy of Genetic and Evolutionary Computation*, pages 88–92, Orlando, Florida, USA.
- [Daida, 1999b] Daida, J. M. (1999b). "Reconnoiter by candle: Identifying assumptions in genetic programming". In Haynes, T.; Langdon, W. B.; O'Reilly, U.-M.; Poli, R.; and Rosca, J., editors, *Foundations of Genetic Programming*, pages 53–54, Orlando, Florida, USA.
- [Davis, 1999] Davis, L. (1999). "Telecommunications and the evolution of algorithms". In Sinclair, M. C.; Corne, D.; and Smith, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, pages 213–214, Orlando, Florida, USA.
- [Davison and Rasheed, 1999] Davison, B. D. and Rasheed, K. (1999). "Effect of global parallelism on a steady state GA". In Cantu-Paz, E. and Punch, B., editors, *Evolutionary Computation and Parallel Processing*, pages 167–170, Orlando, Florida, USA.
- [Deb, 1999] Deb, K. (1999). "Organizer's Comments". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 111–112, Orlando, Florida, USA.
- [Dopico, 1999] Dopico, J. R. R. (1999). "Search and generation of heuristic rules of experience for the simplification of ANN training with genetic algorithm". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 348, Orlando, Florida, USA.
- [Eldershaw and Cameron, 1999] Eldershaw, C. and Cameron, S. (1999). "Motion planning using GAs". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 349, Orlando, Florida, USA.
- [Etaner-Uyar, 1999] Etaner-Uyar, S. (1999). "New operators and dominance scheme for a diploid GA". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 350–351, Orlando, Florida, USA.

- [Feyzbakhsh, 1999] Feyzbakhsh, S. A. (1999). "The new methodology of Adam-Eve-like genetic algorithm for cost optimization". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 352, Orlando, Florida, USA.
- [Freitas, 1999] Freitas, A. A. (1999). "A summary of the papers presented at the joint AAAI-99 and GECCO-99 workshop on data mining with evolutionary algorithms: Research directions". In Freitas, A. A., editor, *Joint GECCO-99 and AAAI-99 Workshop Data Mining with Evolutionary Algorithms: Research Directions*, page 226, Orlando, Florida, USA.
- [Gallego-Schmid, 1999] Gallego-Schmid, M. (1999). "Modified AntNet: software application in the evaluation and management of a telecommunication network". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 353–354, Orlando, Florida, USA.
- [Giacobini, 1999] Giacobini, M. (1999). "A randomness test for binary sequences based on evolutionary algorithms". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 355–356, Orlando, Florida, USA.
- [Glickman and Sycara, 1999] Glickman, M. and Sycara, K. (1999). "Comparing mechanisms for evolving evolvability". In Marrow, P.; Shackleton, M.; Fernandez-Villacanas, J.-L.; and Ray, T., editors, *Evolvability*, pages 38–41, Orlando, Florida, USA.
- [Haynes et al., 1999] Haynes, T.; Langdon, W. B.; O'Reilly, U.-M.; Poli, R.; and Rosca, J. (1999). "Foundations of genetic programming: Preface". In Haynes, T.; Langdon, W. B.; O'Reilly, U.-M.; Poli, R.; and Rosca, J., editors, *Foundations of Genetic Programming*, page 52, Orlando, Florida, USA.
- [He and Mort, 1999] He, L. and Mort, N. (1999). "Application of parallel genetic algorithms to combinatorial multimodal optimization problems". In Cantu-Paz, E. and Punch, B., editors, *Evolutionary Computation and Parallel Processing*, pages 171–173, Orlando, Florida, USA.
- [Herreros et al., 1999] Herreros, A.; Baeyens, E.; and Peran, J. R. (1999). "Design of multiobjective robust controllers using genetic algorithms". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 131–132, Orlando, Florida, USA.
- [Hidalgo, 1999] Hidalgo, J. I. (1999). "Graph partitioning methods for multi-FPGA systems and reconfigurable hardware using genetic algorithms". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 357–358, Orlando, Florida, USA.
- [Holmes, 1999] Holmes, J. H. (1999). "Quantitative methods for evaluating learning classifier system performance in forced two-choice decision tasks". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 250–257, Orlando, Florida, USA.
- [Hoyweghen, 1999] Hoyweghen, C. V. (1999). "Symmetry in the representation of an optimization problem". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 411, Orlando, Florida, USA.
- [Hussain, 1999] Hussain, T. S. (1999). "Workshop on advanced grammar techniques within genetic programming and evolutionary computation". In Hussain, T. S., editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, page 72, Orlando, Florida, USA.
- [Hussain and Browse, 1999] Hussain, T. S. and Browse, R. A. (1999). "Genetic operators with dynamic biases that operate on attribute grammar representations of neural networks". In Hussain, T. S., editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pages 83–86, Orlando, Florida, USA.
- [Hutt and Keating, 1999] Hutt, B. and Keating, D. (1999). "The evolution of an eye in visually guided foraging agents". In Polani, D.; Uthmann, T.; and Dautenhahn, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 196–200, Orlando, Florida, USA.

- [Jacob, 1999] Jacob, C. (1999). "Lindenmayer systems and growth program evolution". In Hussain, T. S., editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pages 76–79, Orlando, Florida, USA.
- [Janikow, 1999] Janikow, C. Z. (1999). "Constrained genetic programming". In Hussain, T. S., editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pages 80–82, Orlando, Florida, USA.
- [Jimenez et al., 1999] Jimenez, F.; Verdegay, J. L.; and Gomez-Skarmeta, A. F. (1999). "Evolutionary techniques for constrained multiobjective optimization problems". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 115–116, Orlando, Florida, USA.
- [Kalganova, 1999] Kalganova, T. (1999). "A new evolutionary hardware approach for logic design". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 360–361, Orlando, Florida, USA.
- [Kanade, 1999] Kanade, U. (1999). "A study of arithmetic genetic encoding for highly randomized fitness landscapes". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 362–363, Orlando, Florida, USA.
- [Karle, 1999] Karle, V. (1999). "Algorithm for the paratransit vehicle routing problem using a modified crossover operator based on adjacency relations". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 364, Orlando, Florida, USA.
- [Karr, 1999] Karr, C. L. (1999). "An architecture for adaptive process control systems". In Branke, J. and Baeck, T., editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pages 146–148, Orlando, Florida, USA.
- [Keijzer, 1999] Keijzer, M. (1999). "Scientific discovery using genetic programming". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 365–366, Orlando, Florida, USA.
- [Khalak, 1999] Khalak, A. (1999). "Evolutionary model of open source software: economic impact". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 367–368, Orlando, Florida, USA.
- [Kim, 1999] Kim, J. (1999). "An artificial immune system for network intrusion detection". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 369–370, Orlando, Florida, USA.
- [Knowles and Corne, 1999] Knowles, J. and Corne, D. (1999). "Assessing the performance of the pareto archived evolution strategy". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 123–124, Orlando, Florida, USA.
- [Kovacs, 1999] Kovacs, T. (1999). "Strength or Accuracy? A comparison of two approaches to fitness calculation in learning classifier systems". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 258–265, Orlando, Florida, USA.
- [Krasnogor, 1999] Krasnogor, N. (1999). "Coevolution of genes and memes in memetic algorithms". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 371, Orlando, Florida, USA.
- [Kubota and Fukuda, 1999] Kubota, N. and Fukuda, T. (1999). "Hierarchical coding in coevolutionary algorithms". In Johnson, C. G.; Olsson, B.; and Romaniuk, S., editors, *Coevolutionary Algorithms and Coevolving Agents*, pages 2–4, Orlando, Florida, USA.
- [Kumar, 1999] Kumar, S. (1999). "Lessons from nature: The benefits of embryology". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 372–373, Orlando, Florida, USA.
- [Langdon, 1999] Langdon, W. B. (1999). "Linear increase in tree height leads to sub-quadratic bloat". In Haynes, T.; Langdon, W. B.; O'Reilly, U.-M.; Poli, R.; and Rosca, J., editors, *Foundations of Genetic Programming*, pages 55–56, Orlando, Florida, USA.
- [Lattaud, 1999] Lattaud, C. (1999). "Non-homogenous classifier systems in a macro-evolution process". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 266–271, Orlando, Florida, USA.

- [Li, 1999] Li, J. (1999). "FGP: A genetic programming tool for financial prediction". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 374, Orlando, Florida, USA.
- [Liese et al., 1999] Liese, A.; Polani, D.; and Uthmann, T. (1999). "Evolution of the spectral properties of a visual agent receptor". In Polani, D.; Uthmann, T.; and Dautenhahn, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 201–206, Orlando, Florida, USA.
- [Livingstone, 1999] Livingstone, D. (1999). "On modelling the evolution of language and languages". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 375–376, Orlando, Florida, USA.
- [Love and Johnson, 1999] Love, J. E. and Johnson, K. M. (1999). "Evolving natural and artificial gravisensory systems". In Polani, D.; Uthmann, T.; and Dautenhahn, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 179–183, Orlando, Florida, USA.
- [Lukschandl, 1999] Lukschandl, E. (1999). "Evolving the behavior of collaborating entities using genetic programming". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 377–378, Orlando, Florida, USA.
- [Maley, 1999] Maley, C. C. (1999). "Methodologies in the use of computational models for theoretical biology". In Maley, C. C., editor, *Computational Models in Theoretical Biology*, pages 16–19, Orlando, Florida, USA.
- [Marino, 1999] Marino, A. (1999). "Sexual vs. asexual recombination for the graph coloring problem with hybrid genetic algorithms". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 379–380, Orlando, Florida, USA.
- [Marrow, 1999] Marrow, P. (1999). "Evolvability: Evolvability, computation, biology". In Marrow, P.; Shackleton, M.; Fernandez-Villacanas, J.-L.; and Ray, T., editors, *Evolvability*, pages 30–33, Orlando, Florida, USA.
- [Mattfeld and Bierwirth, 1999] Mattfeld, D. C. and Bierwirth, C. (1999). "Adaptation and dynamic optimization problems: A view from general system theory". In Branke, J. and Baeck, T., editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pages 138–141, Orlando, Florida, USA.
- [Mautner, 1999] Mautner, C. (1999). "Exploring sensor usage in simulated evolutionary robotics". In Polani, D.; Uthmann, T.; and Dautenhahn, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 184–185, Orlando, Florida, USA.
- [Mehrotra, 1999] Mehrotra, R. (1999). "Gust loads and gust methods for predicting aircraft loads and dynamic response". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 381–382, Orlando, Florida, USA.
- [Monett, 1999] Monett, D. (1999). "Genetic algorithm techniques and intelligent agents design for the mathematical modeling of chemical processes in medicine". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 383–385, Orlando, Florida, USA.
- [Munetomo, 1999] Munetomo, M. (1999). "Designing genetic algorithms for adaptive routing algorithms in the internet". In Sinclair, M. C.; Corne, D.; and Smith, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, pages 215–216, Orlando, Florida, USA.
- [Noda, 1999] Noda, E. (1999). "Discovering interesting prediction rules with a genetic algorithm". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 386–387, Orlando, Florida, USA.
- [Nordin et al., 1999] Nordin, P.; Banzhaf, W.; and Francone, F. D. (1999). "Compression of effective size in genetic programming". In Haynes, T.; Langdon, W. B.; O'Reilly, U.-M.; Poli, R.; and Rosca, J., editors, *Foundations of Genetic Programming*, pages 57–60, Orlando, Florida, USA.
- [Ochoa, 1999] Ochoa, G. (1999). "The multiple roles of recombination in GAs". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 388, Orlando, Florida, USA.

- [Ofria, 1999] Ofria, C. (1999). "Robustness and evolvability of programming languages". In Marrow, P.; Shackleton, M.; Fernandez-Villacanas, J.-L.; and Ray, T., editors, *Evolvability*, page 42, Orlando, Florida, USA.
- [Olsson, 1999] Olsson, L. (1999). "Strategy evolution for electronic markets using genetic programming". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 389, Orlando, Florida, USA.
- [O'Neill, 1999] O'Neill, M. (1999). "Automatic programming with grammatical evolution". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 390–391, Orlando, Florida, USA.
- [Parandekar, 1999] Parandekar, A. (1999). "Genetic algorithm-based optimizer: A Java based teaching tool". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 392–393, Orlando, Florida, USA.
- [Podgorelec, 1999] Podgorelec, V. (1999). "Medical diagnosis prediction using genetic programming". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 394–395, Orlando, Florida, USA.
- [Pohlheim, 1999] Pohlheim, H. (1999). "Visualization of evolutionary algorithms: Real-world application of standard techniques and multidimensional visualization". In Collins, T. D., editor, *Evolutionary Computation Visualization*, pages 101–103, Orlando, Florida, USA.
- [Pohlheim et al., 1999] Pohlheim, H.; Pawletta, S.; and Westphal, A. (1999). "Parallel evolutionary optimization under Matlab on standard computing networks". In Cantu-Paz, E. and Punch, B., editors, *Evolutionary Computation and Parallel Processing*, pages 174–176, Orlando, Florida, USA.
- [Polani et al., 1999] Polani, D.; Uthmann, T.; and Dautenhahn, K. (1999). "GECCO Birds-of-a-feather workshop on evolution of sensors in nature, hardware, and simulation". In Polani, D.; Uthmann, T.; and Dautenhahn, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, page 178, Orlando, Florida, USA.
- [Poli, 1999] Poli, R. (1999). "Schema theory without expectations for GP and GAs with one-point crossover in the presence of schema creation". In Haynes, T.; Langdon, W. B.; O'Reilly, U.-M.; Poli, R.; and Rosca, J., editors, *Foundations of Genetic Programming*, pages 61–63, Orlando, Florida, USA.
- [Porter, 1999] Porter, R. (1999). "GA-accelerators using FPGAs". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 396–397, Orlando, Florida, USA.
- [Pratihari, 1999] Pratihari, D. K. (1999). "Optimal path and gait generations simultaneously of a six-legged robot using a GA-fuzzy approach". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 398–399, Orlando, Florida, USA.
- [Quick, 1999] Quick, T. (1999). "Embodiment as situated structural coupling". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 400, Orlando, Florida, USA.
- [Rekiek, 1999] Rekiek, B. (1999). "Multiple-objectives genetic algorithm". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 401, Orlando, Florida, USA.
- [Romaniuk, 1999] Romaniuk, S. G. (1999). "From agent collaboration and communication to speciation and simplified software design". In Johnson, C. G.; Olsson, B.; and Romaniuk, S., editors, *Coevolutionary Algorithms and Coevolving Agents*, pages 5–7, Orlando, Florida, USA.
- [Rosca, 1999] Rosca, J. (1999). "Genetic programming acquires solutions by combining top-down and bottom-up refinement". In Haynes, T.; Langdon, W. B.; O'Reilly, U.-M.; Poli, R.; and Rosca, J., editors, *Foundations of Genetic Programming*, pages 64–65, Orlando, Florida, USA.
- [Rose, 1999] Rose, B. J. (1999). "Logic-based genetic programming with definite clause translation grammars". In Hussain, T. S., editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pages 73–75, Orlando, Florida, USA.
- [Santana, 1999] Santana, R. (1999). "On estimation distribution algorithms". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 402, Orlando, Florida, USA.

- [Santana et al., 1999] Santana, R.; Ochoa, A.; and Soto, M. R. (1999). "Evolutionary algorithms for dynamic optimization problems: An approach using evolutionary theory and the incident edge model". In Branke, J. and Baeck, T., editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pages 149–152, Orlando, Florida, USA.
- [Saxon and Barry, 1999] Saxon, S. and Barry, A. (1999). "XCS and the Monk's Problems". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 272–281, Orlando, Florida, USA.
- [Sen et al., 1999a] Sen, S.; Biswas, A.; Debnath, S.; and Puppala, N. (1999a). "Cooperative coevolution using shared memory". In Johnson, C. G.; Olsson, B.; and Romaniuk, S., editors, *Coevolutionary Algorithms and Coevolving Agents*, pages 8–11, Orlando, Florida, USA.
- [Sen et al., 1999b] Sen, S.; Mundhe, M.; and Debnath, S. (1999b). "Evolving agent societies that avoid social dilemmas". In Johnson, C. G.; Olsson, B.; and Romaniuk, S., editors, *Coevolutionary Algorithms and Coevolving Agents*, pages 12–14, Orlando, Florida, USA.
- [Shaw et al., 1999] Shaw, K. J.; Fonseca, C. M.; and Fleming, P. J. (1999). "A simple demonstration of a quantitative technique for comparing multiobjective genetic algorithm performance". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 119–120, Orlando, Florida, USA.
- [Sheehan, 1999] Sheehan, L. (1999). "Self-tuning evolutionary system". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 403, Orlando, Florida, USA.
- [Sinclair, 1999] Sinclair, M. C. (1999). "Evolutionary telecommunications: A summary". In Sinclair, M. C.; Corne, D.; and Smith, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, pages 209–212, Orlando, Florida, USA.
- [Sinclair and Clark, 1999] Sinclair, M. C. and Clark, A. F. (1999). "Evolving an artificial vision system: Initial considerations". In Polani, D.; Uthmann, T.; and Dautenhahn, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 191–195, Orlando, Florida, USA.
- [Sinclair et al., 1999] Sinclair, M. C.; Corne, D.; and Smith, G. D. (1999). "Evolutionary telecommunications: Past, present, and future". In Sinclair, M. C.; Corne, D.; and Smith, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, page 208, Orlando, Florida, USA.
- [Smith, 1999a] Smith, G. D. (1999a). "Genetic algorithms for mobile and satellite telecommunication systems". In Sinclair, M. C.; Corne, D.; and Smith, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, pages 217–218, Orlando, Florida, USA.
- [Smith, 1999b] Smith, R. E. (1999b). "Embodiment of evolutionary computation in network agents". In Sinclair, M. C.; Corne, D.; and Smith, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, pages 219–220, Orlando, Florida, USA.
- [Smith et al., 1999] Smith, R. E.; Dike, B. A.; Ravichandran, B.; El-Fallah, A.; and Mehra, R. K. (1999). "The fighter aircraft LCS: A case of different LCS goals and techniques". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 282–289, Orlando, Florida, USA.
- [Spears, 1999] Spears, W. M. (1999). "An overview of multidimensional visualization techniques". In Collins, T. D., editor, *Evolutionary Computation Visualization*, pages 104–105, Orlando, Florida, USA.
- [Stolzmann, 1999] Stolzmann, W. (1999). "Latent learning in Khepera robots with anticipatory classifier systems". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 290–297, Orlando, Florida, USA.
- [Suppavitnarm, 1999] Suppavitnarm, A. (1999). "Simulated annealing: An alternative approach to true multiobjective optimization". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 406–407, Orlando, Florida, USA.

- [Taghiyareh, 1999] Taghiyareh, F. (1999). "Toward designing a new parallel fine-grain genetic algorithm". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 408, Orlando, Florida, USA.
- [Teuscher, 1999] Teuscher, C. (1999). "Romero's pilgrimage to Santa Fe: A tale of robot evolution". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 409–410, Orlando, Florida, USA.
- [Tomlinson and Bull, 1999a] Tomlinson, A. and Bull, L. (1999a). "A corporate XCS". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 298–305, Orlando, Florida, USA.
- [Tomlinson and Bull, 1999b] Tomlinson, A. and Bull, L. (1999b). "A zeroth level corporate classifier system". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 306–313, Orlando, Florida, USA.
- [Turney, 1999] Turney, P. D. (1999). "Increasing evolvability considered as a large scale trend in evolution". In Marrow, P.; Shackleton, M.; Fernandez-Villacanas, J.-L.; and Ray, T., editors, *Evolvability*, pages 43–46, Orlando, Florida, USA.
- [Veldhuizen and Lamont, 1999a] Veldhuizen, D. A. V. and Lamont, G. B. (1999a). "Genetic algorithms, building blocks, and multiobjective optimization". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 125–126, Orlando, Florida, USA.
- [Veldhuizen and Lamont, 1999b] Veldhuizen, D. A. V. and Lamont, G. B. (1999b). "MOEA test suite generation, design, and use". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 113–114, Orlando, Florida, USA.
- [Vele-Langs, 1999] Vele-Langs, O. (1999). "A genetic metaheuristic for traveling salespersons problem". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 412–413, Orlando, Florida, USA.
- [Voss, 1999] Voss, M. (1999). "Evolutionary algorithm for structural optimization". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 414–415, Orlando, Florida, USA.
- [Wagner, 1999] Wagner, G. P. (1999). "The quantitative genetic theory of evolvability". In Marrow, P.; Shackleton, M.; Fernandez-Villacanas, J.-L.; and Ray, T., editors, *Evolvability*, pages 47–50, Orlando, Florida, USA.
- [Watson, 1999] Watson, R. (1999). "Evolution and problem decomposition". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 416–417, Orlando, Florida, USA.
- [Westerdale, 1999] Westerdale, T. H. (1999). "Wilson's error measurement and the Markov property – Identifying detrimental classifiers". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 314–321, Orlando, Florida, USA.
- [Wilson, 1999] Wilson, S. W. (1999). "State of XCS classifier system research". In Lanzi, P. L.; Stolzmann, W.; and Wilson, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pages 322–334, Orlando, Florida, USA.
- [Wood, 1999] Wood, D. H. (1999). "Getting our bearings in DNA computing: A panel discussion". In Wood, D. H., editor, *Getting Our Bearings in DNA Computing*, pages 222–224, Orlando, Florida, USA.
- [Wu, 1999] Wu, A. S., editor (1999). Orlando, Florida, USA.
- [Wu et al., 1999a] Wu, A. S.; Ramsey, C. L.; Burke, D. S.; De Jong, K. A.; and Grefenstette, J. J. (1999a). "An evolutionary computation model for studying viral evolution". In Maley, C. C., editor, *Computational Models in Theoretical Biology*, pages 24–28, Orlando, Florida, USA.
- [Wu et al., 1999b] Wu, A. S.; Ramsey, C. L.; De Jong, K. A.; Grefenstette, J. J.; and Burke, D. S. (1999b). "VIS: A genetic algorithm visualization tool". In Collins, T. D., editor, *Evolutionary Computation Visualization*, pages 106–109, Orlando, Florida, USA.

- [Yao, 1999] Yao, X. (1999). "Universal approximation by genetic programming". In Haynes, T.; Langdon, W. B.; O'Reilly, U.-M.; Poli, R.; and Rosca, J., editors, *Foundations of Genetic Programming*, pages 66–67, Orlando, Florida, USA.
- [Zemke, 1999] Zemke, S. (1999). "Amalgamation of genetic selection and boosting". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, pages 418–419, Orlando, Florida, USA.
- [Zhang, 1999a] Zhang, B.-T. (1999a). "Bayesian genetic programming". In Haynes, T.; Langdon, W. B.; O'Reilly, U.-M.; Poli, R.; and Rosca, J., editors, *Foundations of Genetic Programming*, pages 68–70, Orlando, Florida, USA.
- [Zhang, 1999b] Zhang, J. (1999b). "Niching in an ES context". In O'Reilly, U.-M., editor, *Graduate Student Workshop*, page 420, Orlando, Florida, USA.
- [Zitzler et al., 1999] Zitzler, E.; Deb, K.; and Thiele, L. (1999). "Comparison of multiobjective evolutionary algorithms on test functions of different difficulty". In Deb, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 121–122, Orlando, Florida, USA.