

Список литературы

- [AD] Aris Alissandrakis and Kerstin Dautenhahn. Evolution of vision-based agent behavior in hilly landscapes. In Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 186–190, Orlando, Florida, USA, 13 July 1999.
- [ANS] L. A. Anbarasu, P. Narayanasamy, and V. Sundararajan. Multiple sequence alignment by parallelly evolvable genetic algorithms. In Erick Cantu-Paz and Bill Punch, editors, *Evolutionary Computation and Parallel Processing*, pages 154–156, Orlando, Florida, USA, 13 July 1999.
- [Ant] Eugene Antipov. A max 1s problem in dna computing via gas. In Una-May O’Reilly, editor, *Graduate Student Workshop*, page 338, Orlando, Florida, USA, 13 July 1999.
- [Anw] Ashraf Anwar. Sparse distributed memory with evolutionary mechanisms. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 339–340, Orlando, Florida, USA, 13 July 1999.
- [Bae] Thomas Baeck. Self-adaptive genetic algorithms for dynamic environments with slow dynamics. In Juergen Branke and Thomas Baeck, editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pages 142–145, Orlando, Florida, USA, 13 July 1999.
- [BB] Richard Bradwell and Ken Brown. Parallel asynchronous memetic algorithms. In Erick Cantu-Paz and Bill Punch, editors, *Evolutionary Computation and Parallel Processing*, pages 157–159, Orlando, Florida, USA, 13 July 1999.
- [BBM] Andrea Bonarini, Claudio Bonacina, and Matteo Matteucci. Fuzzy and crisp representations of real-valued input for learning classifier systems. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 228–235, Orlando, Florida, USA, 13 July 1999.
- [Bed1] Mark A. Bedau. Can unrealistic computer models illuminate theoretical biology? In C. C. Maley, editor, *Computational Models in Theoretical Biology*, pages 20–23, Orlando, Florida, USA, 13 July 1999.
- [Bed2] Mark A. Bedau. Quantifying the extent and intensity of adaptive evolution. In Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, editors, *Evolvability*, pages 34–37, Orlando, Florida, USA, 13 July 1999.
- [Bin] To Thanh Binh. A multiobjective evolutionary algorithm: The study cases. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 127–128, Orlando, Florida, USA, 13 July 1999.
- [BJL] Mark A. Bedau, Shareen Joshi, and Benjamin Lillie. Visualizing waves of evolutionary activity of alleles. In Trevor D. Collins, editor, *Evolutionary Computation Visualization*, pages 96–98, Orlando, Florida, USA, 13 July 1999.
- [Boo] Lashon B. Booker. Do we really need to estimate rule utilities in classifier systems? In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 236–241, Orlando, Florida, USA, 13 July 1999.
- [Bra] Juergen Branke. Evolutionary approaches to dynamic optimization problems - a survey. In Juergen Branke and Thomas Baeck, editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pages 134–137, Orlando, Florida, USA, 13 July 1999.
- [BS] Martin Butz and Wolfgang Stolzmann. Action-planning in anticipatory classifier systems. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 242–249, Orlando, Florida, USA, 13 July 1999.

- [bSsK] Jyh bin Suen and Jen shiang Kouh. Genetic algorithms for optimal series propeller design. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 404–405, Orlando, Florida, USA, 13 July 1999.
- [BV] Agnes Braud and Christel Vrain. A parallel genetic algorithm based on the bsp model. In Erick Cantu-Paz and Bill Punch, editors, *Evolutionary Computation and Parallel Processing*, pages 160–162, Orlando, Florida, USA, 13 July 1999.
- [Car1] Stuart Card. Genetic programming of wavelet networks for time series prediction. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 341–342, Orlando, Florida, USA, 13 July 1999.
- [Car2] Juan Jesus Romero Cardalda. Musical adaptive systems. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 343–344, Orlando, Florida, USA, 13 July 1999.
- [Cho] Fuey Sian Chong. Java based distributed genetic programming on the internet. In Erick Cantu-Paz and Bill Punch, editors, *Evolutionary Computation and Parallel Processing*, pages 163–166, Orlando, Florida, USA, 13 July 1999.
- [COC] A. Gaspar Cunha, P. Oliveira, and J. A. Covas. Genetic algorithms in multiobjective optimization problems: An application to polymer extrusion. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 129–130, Orlando, Florida, USA, 13 July 1999.
- [Coe] Carlos A. Coello Coello. Constraint handling through a multiobjective optimization technique. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 117–118, Orlando, Florida, USA, 13 July 1999.
- [Col1] J. J. Collins. Visualization of evolutionary algorithms using principal components analysis. In Trevor D. Collins, editor, *Evolutionary Computation Visualization*, pages 99–100, Orlando, Florida, USA, 13 July 1999.
- [Col2] Trevor D. Collins. Evolutionary computation visualization. In Trevor D. Collins, editor, *Evolutionary Computation Visualization*, pages 94–95, Orlando, Florida, USA, 13 July 1999.
- [Cos] Joao Carlos Costa. Artificial life modeling of downy mildew of the grapevine. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 346–347, Orlando, Florida, USA, 13 July 1999.
- [Dai1] Jason M. Daida. The methodology, pedagogy, and philosophy of genetic and evolutionary computation: Reporting and research practices. In Jason M. Daida, editor, *The Methodology, Pedagogy, and Philosophy of Genetic and Evolutionary Computation*, pages 88–92, Orlando, Florida, USA, 13 July 1999.
- [Dai2] Jason M. Daida. Reconnoiter by candle: Identifying assumptions in genetic programming. In Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, editors, *Foundations of Genetic Programming*, pages 53–54, Orlando, Florida, USA, 13 July 1999.
- [Dav] Lawrence Davis. Telecommunications and the evolution of algorithms. In Mark C. Sinclair, David Corne, and George D. Smith, editors, *Evolutionary Telecommunications: Past, Present, and Future*, pages 213–214, Orlando, Florida, USA, 13 July 1999.
- [Deb] Kalyanmoy Deb. Organizer's comments. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 111–112, Orlando, Florida, USA, 13 July 1999.
- [Dop] Juan Ramon Rabunal Dopico. Search and generation of heuristic rules of experience for the simplification of ann training with genetic algorithm. In Una-May O'Reilly, editor, *Graduate Student Workshop*, page 348, Orlando, Florida, USA, 13 July 1999.

- [DR] Brian D. Davison and Khaled Rasheed. Effect of global parallelism on a steady state ga. In Erick Cantu-Paz and Bill Punch, editors, *Evolutionary Computation and Parallel Processing*, pages 167–170, Orlando, Florida, USA, 13 July 1999.
- [EC] Craig Eldershaw and Stephen Cameron. Motion planning using gas. In Una-May O’Reilly, editor, *Graduate Student Workshop*, page 349, Orlando, Florida, USA, 13 July 1999.
- [EU] Sima Etaner-Uyar. New operators and dominance scheme for a diploid ga. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 350–351, Orlando, Florida, USA, 13 July 1999.
- [Fey] S. Alireza Feyzbakhsh. The new methodology of adam-eve-like genetic algorithm for cost optimization. In Una-May O’Reilly, editor, *Graduate Student Workshop*, page 352, Orlando, Florida, USA, 13 July 1999.
- [Fre] Alex 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 Alex A. Freitas, editor, *Joint GECCO-99 and AAAI-99 Workshop Data Mining with Evolutionary Algorithms: Research Directions*, page 226, Orlando, Florida, USA, 13 July 1999.
- [Gia] Mario Giacobini. A randomness test for binary sequences based on evolutionary algorithms. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 355–356, Orlando, Florida, USA, 13 July 1999.
- [GS1] Marcos Gallego-Schmid. Modified antnet: software application in the evaluation and management of a telecommunication network. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 353–354, Orlando, Florida, USA, 13 July 1999.
- [GS2] Matthew Glickman and Katia Sycara. Comparing mechanisms for evolving evolvability. In Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, editors, *Evolvability*, pages 38–41, Orlando, Florida, USA, 13 July 1999.
- [HB] Talib S. Hussain and Roger A. Browse. Genetic operators with dynamic biases that operate on attribute grammar representations of neural networks. In Talib S. Hussain, editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pages 83–86, Orlando, Florida, USA, 13 July 1999.
- [HBP] Alberto Herreros, Enrique Baeyens, and Jose R. Peran. Design of multiobjective robust controllers using genetic algorithms. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 131–132, Orlando, Florida, USA, 13 July 1999.
- [Hid] Jose Ignacio Hidalgo. Graph partitioning methods for multi-fpga systems and reconfigurable hardware using genetic algorithms. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 357–358, Orlando, Florida, USA, 13 July 1999.
- [HK] Ben Hutt and Dave Keating. The evolution of an eye in visually guided foraging agents. In Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 196–200, Orlando, Florida, USA, 13 July 1999.
- [HLO⁺] Thomas Haynes, William B. Langdon, Una-May O’Reilly, Riccardo Poli, and Justinian Rosca. Foundations of genetic programming: Preface. In Thomas Haynes, William B. Langdon, Una-May O’Reilly, Riccardo Poli, and Justinian Rosca, editors, *Foundations of Genetic Programming*, page 52, Orlando, Florida, USA, 13 July 1999.
- [HM] Liwen He and Neil Mort. Application of parallel genetic algorithms to combinatorial multimodal optimization problems. In Erick Cantu-Paz and Bill Punch, editors, *Evolutionary Computation and Parallel Processing*, pages 171–173, Orlando, Florida, USA, 13 July 1999.
- [Hol] John H. Holmes. Quantitative methods for evaluating learning classifier system performance in forced two-choice decision tasks. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 250–257, Orlando, Florida, USA, 13 July 1999.

- [Hoy] Clarissa Van Hoyweghen. Symmetry in the representation of an optimization problem. In Una-May O'Reilly, editor, *Graduate Student Workshop*, page 411, Orlando, Florida, USA, 13 July 1999.
- [Hus] Talib S. Hussain. Workshop on advanced grammar techniques within genetic programming and evolutionary computation. In Talib S. Hussain, editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, page 72, Orlando, Florida, USA, 13 July 1999.
- [Jac] Christian Jacob. Lindenmayer systems and growth program evolution. In Talib S. Hussain, editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pages 76–79, Orlando, Florida, USA, 13 July 1999.
- [Jan] Cezary Z. Janikow. Constrained genetic programming. In Talib S. Hussain, editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pages 80–82, Orlando, Florida, USA, 13 July 1999.
- [JVGS] Fernando Jimenez, Jose L. Verdegay, and Antonio F. Gomez-Skarmeta. Evolutionary techniques for constrained multiobjective optimization problems. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 115–116, Orlando, Florida, USA, 13 July 1999.
- [Kal] Tatiana Kalganova. A new evolutionary hardware approach for logic design. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 360–361, Orlando, Florida, USA, 13 July 1999.
- [Kan] Udayan Kanade. A study of arithmetic genetic encoding for highly randomized fitness landscapes. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 362–363, Orlando, Florida, USA, 13 July 1999.
- [Kar1] Vinay Karle. Algorithm for the paratransit vehicle routing problem using a modified crossover operator based on adjacency relations. In Una-May O'Reilly, editor, *Graduate Student Workshop*, page 364, Orlando, Florida, USA, 13 July 1999.
- [Kar2] Charles L. Karr. An architecture for adaptive process control systems. In Juergen Branke and Thomas Baeck, editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pages 146–148, Orlando, Florida, USA, 13 July 1999.
- [KC] Joshua Knowles and David Corne. Assessing the performance of the pareto archived evolution strategy. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 123–124, Orlando, Florida, USA, 13 July 1999.
- [Kei] Maarten Keijzer. Scientific discovery using genetic programming. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 365–366, Orlando, Florida, USA, 13 July 1999.
- [KF] Naoyuki Kubota and Toshio Fukuda. Hierarchical coding in coevolutionary algorithms. In Colin G. Johnson, Bjorn Olsson, and Steve Romaniuk, editors, *Coevolutionary Algorithms and Coevolving Agents*, pages 2–4, Orlando, Florida, USA, 13 July 1999.
- [Kha] Asif Khalak. Evolutionary model of open source software: economic impact. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 367–368, Orlando, Florida, USA, 13 July 1999.
- [Kim] Jungwon Kim. An artificial immune system for network intrusion detection. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 369–370, Orlando, Florida, USA, 13 July 1999.
- [Kov] Tim Kovacs. Strength or accuracy? a comparison of two approaches to fitness calculation in learning classifier systems. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 258–265, Orlando, Florida, USA, 13 July 1999.

- [Kra] Natalio Krasnogor. Coevolution of genes and memes in memetic algorithms. In Una-May O'Reilly, editor, *Graduate Student Workshop*, page 371, Orlando, Florida, USA, 13 July 1999.
- [Kum] Sanjeev Kumar. Lessons from nature: The benefits of embryology. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 372–373, Orlando, Florida, USA, 13 July 1999.
- [Lan] W. B. Langdon. Linear increase in tree height leads to sub-quadratic bloat. In Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, editors, *Foundations of Genetic Programming*, pages 55–56, Orlando, Florida, USA, 13 July 1999.
- [Lat] Claude Lattaud. Non-homogenous classifier systems in a macro-evolution process. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 266–271, Orlando, Florida, USA, 13 July 1999.
- [Li] Jin Li. Fgp: A genetic programming tool for financial prediction. In Una-May O'Reilly, editor, *Graduate Student Workshop*, page 374, Orlando, Florida, USA, 13 July 1999.
- [Liv] Daniel Livingstone. On modelling the evolution of language and languages. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 375–376, Orlando, Florida, USA, 13 July 1999.
- [LJ] J. E. Love and K. M. Johnson. Evolving natural and artificial gravisensory systems. In Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 179–183, Orlando, Florida, USA, 13 July 1999.
- [LPU] Achim Liese, Daniel Polani, and Thomas Uthmann. Evolution of the spectral properties of a visual agent receptor. In Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 201–206, Orlando, Florida, USA, 13 July 1999.
- [Luk] Eduard Lukschandl. Evolving the behavior of collaborating entities using genetic programming. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 377–378, Orlando, Florida, USA, 13 July 1999.
- [Mal] C. C. Maley. Methodologies in the use of computational models for theoretical biology. In C. C. Maley, editor, *Computational Models in Theoretical Biology*, pages 16–19, Orlando, Florida, USA, 13 July 1999.
- [Mar1] Anna Marino. Sexual vs. asexual recombination for the graph coloring problem with hybrid genetic algorithms. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 379–380, Orlando, Florida, USA, 13 July 1999.
- [Mar2] Paul Marrow. Evolvability: Evolvability, computation, biology. In Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, editors, *Evolvability*, pages 30–33, Orlando, Florida, USA, 13 July 1999.
- [Mau] Craig Mautner. Exploring sensor usage in simulated evolutionary robotics. In Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 184–185, Orlando, Florida, USA, 13 July 1999.
- [MB] Dirk C. Mattfeld and Christian Bierwirth. Adaptation and dynamic optimization problems: A view from general system theory. In Juergen Branke and Thomas Baeck, editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pages 138–141, Orlando, Florida, USA, 13 July 1999.
- [Meh] Rajiv Mehrotra. Gust loads and gust methods for predicting aircraft loads and dynamic response. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 381–382, Orlando, Florida, USA, 13 July 1999.
- [Mon] Dagmar Monett. Genetic algorithm techniques and intelligent agents design for the mathematical modeling of chemical processes in medicine. In Una-May O'Reilly, editor, *Graduate Student Workshop*, pages 383–385, Orlando, Florida, USA, 13 July 1999.

- [Mun] Masaharu Munetomo. Designing genetic algorithms for adaptive routing algorithms in the internet. In Mark C. Sinclair, David Corne, and George D. Smith, editors, *Evolutionary Telecommunications: Past, Present, and Future*, pages 215–216, Orlando, Florida, USA, 13 July 1999.
- [NBF] Peter Nordin, Wolfgang Banzhaf, and Frank D. Francone. Compression of effective size in genetic programming. In Thomas Haynes, William B. Langdon, Una-May O’Reilly, Riccardo Poli, and Justinian Rosca, editors, *Foundations of Genetic Programming*, pages 57–60, Orlando, Florida, USA, 13 July 1999.
- [Nod] Edgar Noda. Discovering interesting prediction rules with a genetic algorithm. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 386–387, Orlando, Florida, USA, 13 July 1999.
- [Och] Gabriela Ochoa. The multiple roles of recombination in gas. In Una-May O’Reilly, editor, *Graduate Student Workshop*, page 388, Orlando, Florida, USA, 13 July 1999.
- [Ofr] Charles Ofria. Robustness and evolvability of programming languages. In Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, editors, *Evolvability*, page 42, Orlando, Florida, USA, 13 July 1999.
- [Ols] Lars Olsson. Strategy evolution for electronic markets using genetic programming. In Una-May O’Reilly, editor, *Graduate Student Workshop*, page 389, Orlando, Florida, USA, 13 July 1999.
- [O’N] Michael O’Neill. Automatic programming with grammatical evolution. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 390–391, Orlando, Florida, USA, 13 July 1999.
- [Par] Amey Parandekar. Genetic algorithm-based optimizer: A java based teaching tool. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 392–393, Orlando, Florida, USA, 13 July 1999.
- [Pod] Vili Podgorelec. Medical diagnosis prediction using genetic programming. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 394–395, Orlando, Florida, USA, 13 July 1999.
- [Poh] Hartmut Pohlheim. Visualization of evolutionary algorithms: Real-world application of standard techniques and multidimensional visualization. In Trevor D. Collins, editor, *Evolutionary Computation Visualization*, pages 101–103, Orlando, Florida, USA, 13 July 1999.
- [Pol] Riccardo Poli. Schema theory without expectations for gp and gas with one-point crossover in the presence of schema creation. In Thomas Haynes, William B. Langdon, Una-May O’Reilly, Riccardo Poli, and Justinian Rosca, editors, *Foundations of Genetic Programming*, pages 61–63, Orlando, Florida, USA, 13 July 1999.
- [Por] Reid Porter. Ga-accelerators using fpgas. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 396–397, Orlando, Florida, USA, 13 July 1999.
- [PPW] Hartmut Pohlheim, Sven Pawletta, and Andreas Westphal. Parallel evolutionary optimization under matlab on standard computing networks. In Erick Cantu-Paz and Bill Punch, editors, *Evolutionary Computation and Parallel Processing*, pages 174–176, Orlando, Florida, USA, 13 July 1999.
- [Pra] Dilip Kumar Pratihari. Optimal path and gait generations simultaneously of a six-legged robot using a ga-fuzzy approach. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 398–399, Orlando, Florida, USA, 13 July 1999.
- [PUD] Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn. Gecco birds-of-a-feather workshop on evolution of sensors in nature, hardware, and simulation. In Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, page 178, Orlando, Florida, USA, 13 July 1999.

- [Qui] Tom Quick. Embodiment as situated structural coupling. In Una-May O'Reilly, editor, *Graduate Student Workshop*, page 400, Orlando, Florida, USA, 13 July 1999.
- [Rek] Brahim Rekiek. Multiple-objectives genetic algorithm. In Una-May O'Reilly, editor, *Graduate Student Workshop*, page 401, Orlando, Florida, USA, 13 July 1999.
- [Rom] Steve G. Romaniuk. From agent collaboration and communication to speciation and simplified software design. In Colin G. Johnson, Bjorn Olsson, and Steve Romaniuk, editors, *Coevolutionary Algorithms and Coevolving Agents*, pages 5–7, Orlando, Florida, USA, 13 July 1999.
- [Ros1] Justinian Rosca. Genetic programming acquires solutions by combining top-down and bottom-up refinement. In Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, editors, *Foundations of Genetic Programming*, pages 64–65, Orlando, Florida, USA, 13 July 1999.
- [Ros2] Brian J. Rose. Logic-based genetic programming with definite clause translation grammars. In Talib S. Hussain, editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pages 73–75, Orlando, Florida, USA, 13 July 1999.
- [San] Roberto Santana. On estimation distribution algorithms. In Una-May O'Reilly, editor, *Graduate Student Workshop*, page 402, Orlando, Florida, USA, 13 July 1999.
- [SB] Shaun Saxon and Alwyn Barry. Xcs and the monk's problems. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 272–281, Orlando, Florida, USA, 13 July 1999.
- [SBDP] Sandip Sen, Anish Biswas, Sandip Debnath, and Narendra Puppala. Cooperative coevolution using shared memory. In Colin G. Johnson, Bjorn Olsson, and Steve Romaniuk, editors, *Coevolutionary Algorithms and Coevolving Agents*, pages 8–11, Orlando, Florida, USA, 13 July 1999.
- [SC] Mark C. Sinclair and Adrian F. Clark. Evolving an artificial vision system: Initial considerations. In Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pages 191–195, Orlando, Florida, USA, 13 July 1999.
- [SCS] Mark C. Sinclair, David Corne, and George D. Smith. Evolutionary telecommunications: Past, present, and future. In Mark C. Sinclair, David Corne, and George D. Smith, editors, *Evolutionary Telecommunications: Past, Present, and Future*, page 208, Orlando, Florida, USA, 13 July 1999.
- [SDR⁺] 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 Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 282–289, Orlando, Florida, USA, 13 July 1999.
- [SFF] K. J. Shaw, C. M. Fonseca, and P. J. Fleming. A simple demonstration of a quantitative technique for comparing multiobjective genetic algorithm performance. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 119–120, Orlando, Florida, USA, 13 July 1999.
- [She] Lucia Sheehan. Self-tuning evolutionary system. In Una-May O'Reilly, editor, *Graduate Student Workshop*, page 403, Orlando, Florida, USA, 13 July 1999.
- [Sin] Mark C. Sinclair. Evolutionary telecommunications: A summary. In Mark C. Sinclair, David Corne, and George D. Smith, editors, *Evolutionary Telecommunications: Past, Present, and Future*, pages 209–212, Orlando, Florida, USA, 13 July 1999.
- [SMD] Sandip Sen, Manisha Mundhe, and Sandip Debnath. Evolving agent societies that avoid social dilemmas. In Colin G. Johnson, Bjorn Olsson, and Steve Romaniuk, editors, *Coevolutionary Algorithms and Coevolving Agents*, pages 12–14, Orlando, Florida, USA, 13 July 1999.

- [Smi1] George D. Smith. Genetic algorithms for mobile and satellite telecommunication systems. In Mark C. Sinclair, David Corne, and George D. Smith, editors, *Evolutionary Telecommunications: Past, Present, and Future*, pages 217–218, Orlando, Florida, USA, 13 July 1999.
- [Smi2] Robert E. Smith. Embodiment of evolutionary computation in network agents. In Mark C. Sinclair, David Corne, and George D. Smith, editors, *Evolutionary Telecommunications: Past, Present, and Future*, pages 219–220, Orlando, Florida, USA, 13 July 1999.
- [SOS] Roberto Santana, Alberto Ochoa, and Marta R. Soto. Evolutionary algorithms for dynamic optimization problems: An approach using evolutionary theory and the incident edge model. In Juergen Branke and Thomas Baeck, editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pages 149–152, Orlando, Florida, USA, 13 July 1999.
- [Spe] William M. Spears. An overview of multidimensional visualization techniques. In Trevor D. Collins, editor, *Evolutionary Computation Visualization*, pages 104–105, Orlando, Florida, USA, 13 July 1999.
- [Sto] Wolfgang Stolzmann. Latent learning in khepera robots with anticipatory classifier systems. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 290–297, Orlando, Florida, USA, 13 July 1999.
- [Sup] Apichart Suppapitnarm. Simulated annealing: An alternative approach to true multiobjective optimization. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 406–407, Orlando, Florida, USA, 13 July 1999.
- [Tag] Fattaneh Taghiyareh. Toward designing a new parallel fine-grain genetic algorithm. In Una-May O’Reilly, editor, *Graduate Student Workshop*, page 408, Orlando, Florida, USA, 13 July 1999.
- [TB1] Andy Tomlinson and Larry Bull. A corporate xcs. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 298–305, Orlando, Florida, USA, 13 July 1999.
- [TB2] Andy Tomlinson and Larry Bull. A zeroth level corporate classifier system. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 306–313, Orlando, Florida, USA, 13 July 1999.
- [Teu] Christof Teuscher. Romero’s pilgrimage to santa fe: A tale of robot evolution. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 409–410, Orlando, Florida, USA, 13 July 1999.
- [Tur] Peter D. Turney. Increasing evolvability considered as a large scale trend in evolution. In Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, editors, *Evolvability*, pages 43–46, Orlando, Florida, USA, 13 July 1999.
- [VL1] David A. Van Veldhuizen and Gary B. Lamont. Genetic algorithms, building blocks, and multiobjective optimization. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 125–126, Orlando, Florida, USA, 13 July 1999.
- [VL2] David A. Van Veldhuizen and Gary B. Lamont. Moea test suite generation, design, and use. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 113–114, Orlando, Florida, USA, 13 July 1999.
- [VL3] Oswaldo Vele-Langs. A genetic metaheuristic for traveling salespersons problem. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 412–413, Orlando, Florida, USA, 13 July 1999.
- [Vos] Mark Voss. Evolutionary algorithm for structural optimization. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 414–415, Orlando, Florida, USA, 13 July 1999.

- [Wag] Gunter P. Wagner. The quantitative genetic theory of evolvability. In Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, editors, *Evolvability*, pages 47–50, Orlando, Florida, USA, 13 July 1999.
- [Wat] Richard Watson. Evolution and problem decomposition. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 416–417, Orlando, Florida, USA, 13 July 1999.
- [Wes] T. H. Westerdale. Wilson’s error measurement and the markov property – identifying detrimental classifiers. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 314–321, Orlando, Florida, USA, 13 July 1999.
- [Wil] Stewart W. Wilson. State of xcs classifier system research. In Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, editors, *2nd International Workshop on Learning Classifier Systems*, pages 322–334, Orlando, Florida, USA, 13 July 1999.
- [Woo] David Harlan Wood. Getting our bearings in dna computing: A panel discussion. In David Harlan Wood, editor, *Getting Our Bearings in DNA Computing*, pages 222–224, Orlando, Florida, USA, 13 July 1999.
- [WRB⁺] Annie S. Wu, Connie L. Ramsey, Donald S. Burke, Kenneth A. De Jong, and John J. Grefenstette. An evolutionary computation model for studying viral evolution. In C. C. Maley, editor, *Computational Models in Theoretical Biology*, pages 24–28, Orlando, Florida, USA, 13 July 1999.
- [WRD⁺] Annie S. Wu, Connie L. Ramsey, Kenneth A. De Jong, John J. Grefenstette, and Donald S. Burke. Vis: A genetic algorithm visualization tool. In Trevor D. Collins, editor, *Evolutionary Computation Visualization*, pages 106–109, Orlando, Florida, USA, 13 July 1999.
- [Wu] Annie S. Wu, editor. Orlando, Florida, USA, 13 July 1999.
- [Yao] Xin Yao. Universal approximation by genetic programming. In Thomas Haynes, William B. Langdon, Una-May O’Reilly, Riccardo Poli, and Justinian Rosca, editors, *Foundations of Genetic Programming*, pages 66–67, Orlando, Florida, USA, 13 July 1999.
- [ZDT] Eckart Zitzler, Kalyanmoy Deb, and Lothar Thiele. Comparison of multiobjective evolutionary algorithms on test functions of different difficulty. In Kalyanmoy Deb, editor, *Multi-criterion Optimization Using Evolutionary Methods*, pages 121–122, Orlando, Florida, USA, 13 July 1999.
- [Zem] Stefan Zemke. Amalgamation of genetic selection and boosting. In Una-May O’Reilly, editor, *Graduate Student Workshop*, pages 418–419, Orlando, Florida, USA, 13 July 1999.
- [Zha1] Byoung-Tak Zhang. Bayesian genetic programming. In Thomas Haynes, William B. Langdon, Una-May O’Reilly, Riccardo Poli, and Justinian Rosca, editors, *Foundations of Genetic Programming*, pages 68–70, Orlando, Florida, USA, 13 July 1999.
- [Zha2] Jian Zhang. Niching in an es context. In Una-May O’Reilly, editor, *Graduate Student Workshop*, page 420, Orlando, Florida, USA, 13 July 1999.