Список литературы

- [1] Aris Alissandrakis and Kerstin Dautenhahn, Evolution of vision-based agent behavior in hilly landscapes, Evolution of Sensors in Nature, Hardware, and Simulation (Orlando, Florida, USA) (Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, eds.), 13 July 1999, pp. 186–190.
- [2] L. A. Anbarasu, P. Narayanasamy, and V. Sundararajan, Multiple sequence alignment by parallely evolvable genetic algorithms, Evolutionary Computation and Parallel Processing (Orlando, Florida, USA) (Erick Cantu-Paz and Bill Punch, eds.), 13 July 1999, pp. 154–156.
- [3] Eugene Antipov, A max 1s problem in dna computing via gas, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 338.
- [4] Ashraf Anwar, Sparse distributed memory with evolutionary mechanisms, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 339–340.
- [5] Thomas Baeck, Self-adaptive genetic algorithms for dynamic environments with slow dynamics, Evolutionary Algorithms for Dynamic Optimization Problems (Orlando, Florida, USA) (Juergen Branke and Thomas Baeck, eds.), 13 July 1999, pp. 142–145.
- [6] Mark A. Bedau, Can unrealistic computer models illuminate theoretical biology?, Computational Models in Theoretical Biology (Orlando, Florida, USA) (C. C. Maley, ed.), 13 July 1999, pp. 20– 23.
- [7] ______, Quantifying the extent and intensity of adaptive evolution, Evolvability (Orlando, Florida, USA) (Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, eds.), 13 July 1999, pp. 34–37.
- [8] Mark A. Bedau, Shareen Joshi, and Benjamin Lillie, Visualizing waves of evolutionary activity of alleles, Evolutionary Computation Visualization (Orlando, Florida, USA) (Trevor D. Collins, ed.), 13 July 1999, pp. 96–98.
- [9] Jyh bin Suen and Jen shiang Kouh, Genetic algorithms for optimal series propeller design, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 404–405.
- [10] To Thanh Binh, A multiobjective evolutionary algorithm: The study cases, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 127–128.
- [11] Andrea Bonarini, Claudio Bonacina, and Matteo Matteucci, Fuzzy and crisp representations of real-valued input for learning classifier systems, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 228–235.
- [12] Lashon B. Booker, Do we really need to estimate rule utilities in classifier systems?, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 236–241.
- [13] Richard Bradwell and Ken Brown, Parallel asynchronous memetic algorithms, Evolutionary Computation and Parallel Processing (Orlando, Florida, USA) (Erick Cantu-Paz and Bill Punch, eds.), 13 July 1999, pp. 157–159.
- [14] Juergen Branke, Evolutionary approaches to dynamic optimization problems a survey, Evolutionary Algorithms for Dynamic Optimization Problems (Orlando, Florida, USA) (Juergen Branke and Thomas Baeck, eds.), 13 July 1999, pp. 134–137.
- [15] Agnes Braud and Christel Vrain, A parallel genetic algorithm based on the bsp model, Evolutionary Computation and Parallel Processing (Orlando, Florida, USA) (Erick Cantu-Paz and Bill Punch, eds.), 13 July 1999, pp. 160–162.

- [16] Martin Butz and Wolfgang Stolzmann, Action-planning in anticipatory classifier systems, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 242–249.
- [17] Stuart Card, Genetic programming of wavelet networks for time series prediction, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 341–342.
- [18] Juan Jesus Romero Cardalda, Musical adaptive systems, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 343–344.
- [19] Fuey Sian Chong, Java based distributed genetic programming on the internet, Evolutionary Computation and Parallel Processing (Orlando, Florida, USA) (Erick Cantu-Paz and Bill Punch, eds.), 13 July 1999, pp. 163–166.
- [20] Carlos A. Coello Coello, Constraint handling through a multiobjective optimization technique, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 117–118.
- [21] J. J. Collins, Visualization of evolutionary algorithms using principal components analysis, Evolutionary Computation Visualization (Orlando, Florida, USA) (Trevor D. Collins, ed.), 13 July 1999, pp. 99–100.
- [22] Trevor D. Collins, *Evolutionary computation visualization*, Evolutionary Computation Visualization (Orlando, Florida, USA) (Trevor D. Collins, ed.), 13 July 1999, pp. 94–95.
- [23] Joao Carlos Costa, Artificial life modeling of downy mildew of the grapevine, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 346–347.
- [24] A. Gaspar Cunha, P. Oliveira, and J. A. Covas, Genetic algorithms in multiobjective optimization problems: An application to polymer extrusion, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 129–130.
- [25] Jason M. Daida, The methodology, pedagogy, and philosophy of genetic and evolutionary computation: Reporting and research practices, The Methodology, Pedagogy, and Philosophy of Genetic and Evolutionary Computation (Orlando, Florida, USA) (Jason M. Daida, ed.), 13 July 1999, pp. 88–92.
- [26] _____, Reconnoiter by candle: Identifying assumptions in genetic programming, Foundations of Genetic Programming (Orlando, Florida, USA) (Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, eds.), 13 July 1999, pp. 53–54.
- [27] Lawrence Davis, Telecommunications and the evolution of algorithms, Evolutionary Telecommunications: Past, Present, and Future (Orlando, Florida, USA) (Mark C. Sinclair, David Corne, and George D. Smith, eds.), 13 July 1999, pp. 213–214.
- [28] Brian D. Davison and Khaled Rasheed, Effect of global parallelism on a steady state ga, Evolutionary Computation and Parallel Processing (Orlando, Florida, USA) (Erick Cantu-Paz and Bill Punch, eds.), 13 July 1999, pp. 167–170.
- [29] Kalyanmoy Deb, *Organizer's comments*, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 111–112.
- [30] Juan Ramon Rabunal Dopico, Search and generation of heuristic rules of experience for the simplification of ann training with genetic algorithm, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 348.
- [31] Craig Eldershaw and Stephen Cameron, *Motion planning using gas*, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 349.
- [32] Sima Etaner-Uyar, New operators and dominance scheme for a diploid ga, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 350–351.

- [33] S. Alireza Feyzbakhsh, The new methodology of adam-eve-like genetic algorithm for cost optimization, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 352.
- [34] 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, Joint GECCO-99 and AAAI-99 Workshop Data Mining with Evolutionary Algorithms: Research Directions (Orlando, Florida, USA) (Alex A. Freitas, ed.), 13 July 1999, p. 226.
- [35] Marcos Gallego-Schmid, Modified antnet: software application in the evaluation and management of a telecommunication network, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 353–354.
- [36] Mario Giacobini, A randomness test for binary sequences based on evolutionary algorithms, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 355–356.
- [37] Matthew Glickman and Katia Sycara, Comparing mechanisms for evolving evolvability, Evolvability (Orlando, Florida, USA) (Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, eds.), 13 July 1999, pp. 38–41.
- [38] Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, Foundations of genetic programming: Preface, Foundations of Genetic Programming (Orlando, Florida, USA) (Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, eds.), 13 July 1999, p. 52.
- [39] Liwen He and Neil Mort, Application of parallel genetic algorithms to combinatorial multimodal optimization problems, Evolutionary Computation and Parallel Processing (Orlando, Florida, USA) (Erick Cantu-Paz and Bill Punch, eds.), 13 July 1999, pp. 171–173.
- [40] Alberto Herreros, Enrique Baeyens, and Jose R. Peran, Design of multiobjective robust controllers using genetic algorithms, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 131–132.
- [41] Jose Ignacio Hidalgo, Graph partitioning methods for multi-fpga systems and reconfigurable hardware using genetic algorithms, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 357–358.
- [42] John H. Holmes, Quantitative methods for evaluating learning classifier system performance in forced two-choice decision tasks, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 250–257.
- [43] Clarissa Van Hoyweghen, Symmetry in the representation of an optimization problem, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 411.
- [44] Talib S. Hussain, Workshop on advanced grammar techniques within genetic programming and evolutionary computation, Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation (Orlando, Florida, USA) (Talib S. Hussain, ed.), 13 July 1999, p. 72.
- [45] Talib S. Hussain and Roger A. Browse, Genetic operators with dynamic biases that operate on attribute grammar representations of neural networks, Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation (Orlando, Florida, USA) (Talib S. Hussain, ed.), 13 July 1999, pp. 83–86.
- [46] Ben Hutt and Dave Keating, *The evolution of an eye in visually guided foraging agents*, Evolution of Sensors in Nature, Hardware, and Simulation (Orlando, Florida, USA) (Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, eds.), 13 July 1999, pp. 196–200.
- [47] Christian Jacob, Lindenmayer systems and growth program evolution, Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation (Orlando, Florida, USA) (Talib S. Hussain, ed.), 13 July 1999, pp. 76–79.

- [48] Cezary Z. Janikow, Constrained genetic programming, Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation (Orlando, Florida, USA) (Talib S. Hussain, ed.), 13 July 1999, pp. 80–82.
- [49] Fernando Jimenez, Jose L. Verdegay, and Antonio F. Gomez-Skarmeta, Evolutionary techniques for constrained multiobjective optimization problems, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 115– 116.
- [50] Tatiana Kalganova, A new evolutionary hardware approach for logic design, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 360–361.
- [51] Udayan Kanade, A study of arithmetic genetic encoding for highly randomized fitness landscapes, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 362–363.
- [52] Vinay Karle, Algorithm for the paratransit vehicle routing problem using a modified crossover operator based on adjacency relations, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 364.
- [53] Charles L. Karr, An architecture for adaptive process control systems, Evolutionary Algorithms for Dynamic Optimization Problems (Orlando, Florida, USA) (Juergen Branke and Thomas Baeck, eds.), 13 July 1999, pp. 146–148.
- [54] Maarten Keijzer, Scientific discovery using genetic programming, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 365–366.
- [55] Asif Khalak, Evolutionary model of open source software: economic impact, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 367–368.
- [56] Jungwon Kim, An artificial immune system for network intrusion detection, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 369–370.
- [57] Joshua Knowles and David Corne, Assessing the performance of the pareto archived evolution strategy, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 123–124.
- [58] Tim Kovacs, Strength or accuracy? a comparison of two approaches to fitness calculation in learning classifier systems, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 258–265.
- [59] Natalio Krasnogor, Coevolution of genes and memes in memetic algorithms, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 371.
- [60] Naoyuki Kubota and Toshio Fukuda, Hierarchical coding in coevolutionary algorithms, Coevolutionary Algorithms and Coevolving Agents (Orlando, Florida, USA) (Colin G. Johnson, Bjorn Olsson, and Steve Romaniuk, eds.), 13 July 1999, pp. 2–4.
- [61] Sanjeev Kumar, Lessons from nature: The benefits of embryology, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 372–373.
- [62] W. B. Langdon, *Linear increase in tree height leads to sub-quadratic bloat*, Foundations of Genetic Programming (Orlando, Florida, USA) (Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, eds.), 13 July 1999, pp. 55–56.
- [63] Claude Lattaud, Non-homogenous classifier systems in a macro-evolution process, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 266–271.
- [64] Jin Li, Fgp: A genetic programming tool for financial prediction, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 374.

- [65] Achim Liese, Daniel Polani, and Thomas Uthmann, Evolution of the spectral properties of a visual agent receptor, Evolution of Sensors in Nature, Hardware, and Simulation (Orlando, Florida, USA) (Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, eds.), 13 July 1999, pp. 201– 206.
- [66] Daniel Livingstone, On modelling the evolution of language and languages, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 375–376.
- [67] J. E. Love and K. M. Johnson, Evolving natural and artificial gravisensory systems, Evolution of Sensors in Nature, Hardware, and Simulation (Orlando, Florida, USA) (Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, eds.), 13 July 1999, pp. 179–183.
- [68] Eduard Lukschandl, Evolving the behavior of collaborating entities using genetic programming, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 377–378.
- [69] C. C. Maley, Methodologies in the use of computational models for theoretical biology, Computational Models in Theoretical Biology (Orlando, Florida, USA) (C. C. Maley, ed.), 13 July 1999, pp. 16–19.
- [70] Anna Marino, Sexual vs. asexual recombination for the graph coloring problem with hybrid genetic algorithms, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 379–380.
- [71] Paul Marrow, Evolvability: Evolvability, computation, biology, Evolvability (Orlando, Florida, USA) (Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, eds.), 13 July 1999, pp. 30–33.
- [72] Dirk C. Mattfeld and Christian Bierwirth, Adaptation and dynamic optimization problems: A view from general system theory, Evolutionary Algorithms for Dynamic Optimization Problems (Orlando, Florida, USA) (Juergen Branke and Thomas Baeck, eds.), 13 July 1999, pp. 138–141.
- [73] Craig Mautner, Exploring sensor usage in simulated evolutionary robotics, Evolution of Sensors in Nature, Hardware, and Simulation (Orlando, Florida, USA) (Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, eds.), 13 July 1999, pp. 184–185.
- [74] Rajiv Mehrotra, Gust loads and gust methods for predicting aircraft loads and dynamic response, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 381–382.
- [75] Dagmar Monett, Genetic algorithm techniques and intelligent agents design for the mathematical modeling of chemical processes in medicine, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 383–385.
- [76] Masaharu Munetomo, Designing genetic algorithms for adaptive routing algorithms in the internet, Evolutionary Telecommunications: Past, Present, and Future (Orlando, Florida, USA) (Mark C. Sinclair, David Corne, and George D. Smith, eds.), 13 July 1999, pp. 215–216.
- [77] Edgar Noda, Discovering interesting prediction rules with a genetic algorithm, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 386–387.
- [78] Peter Nordin, Wolfgang Banzhaf, and Frank D. Francone, Compression of effective size in genetic programming, Foundations of Genetic Programming (Orlando, Florida, USA) (Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, eds.), 13 July 1999, pp. 57–60.
- [79] Gabriela Ochoa, The multiple roles of recombination in gas, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 388.
- [80] Charles Ofria, Robustness and evolvability of programming languages, Evolvability (Orlando, Florida, USA) (Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, eds.), 13 July 1999, p. 42.

- [81] Lars Olsson, Strategy evolution for electronic markets using genetic programming, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 389.
- [82] Michael O'Neill, Automatic programming with grammatical evolution, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 390–391.
- [83] Amey Parandekar, Genetic algorithm-based optimizer: A java based teaching tool, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 392–393.
- [84] Vili Podgorelec, Medical diagnosis prediction using genetic programming, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 394–395.
- [85] Hartmut Pohlheim, Visualization of evolutionary algorithms: Real-world application of standard techniques and multidimensional visualization, Evolutionary Computation Visualization (Orlando, Florida, USA) (Trevor D. Collins, ed.), 13 July 1999, pp. 101–103.
- [86] Hartmut Pohlheim, Sven Pawletta, and Andreas Westphal, Parallel evolutionary optimization under matlab on standard computing networks, Evolutionary Computation and Parallel Processing (Orlando, Florida, USA) (Erick Cantu-Paz and Bill Punch, eds.), 13 July 1999, pp. 174–176.
- [87] Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, Gecco birds-of-a-feather workshop on evolution of sensors in nature, hardware, and simulation, Evolution of Sensors in Nature, Hardware, and Simulation (Orlando, Florida, USA) (Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, eds.), 13 July 1999, p. 178.
- [88] Riccardo Poli, Schema theory without expectations for gp and gas with one-point crossover in the presence of schema creation, Foundations of Genetic Programming (Orlando, Florida, USA) (Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, eds.), 13 July 1999, pp. 61–63.
- [89] Reid Porter, Ga-accelerators using fpgas, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 396–397.
- [90] Dilip Kumar Pratihar, Optimal path and gait generations simultaneously of a six-legged robot using a ga-fuzzy approach, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 398–399.
- [91] Tom Quick, Embodiment as situated structural coupling, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 400.
- [92] Brahim Rekiek, *Multiple-objectives genetic algorithm*, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 401.
- [93] Steve G. Romaniuk, From agent collaboration and communication to speciation and simplified software design, Coevolutionary Algorithms and Coevolving Agents (Orlando, Florida, USA) (Colin G. Johnson, Bjorn Olsson, and Steve Romaniuk, eds.), 13 July 1999, pp. 5–7.
- [94] Justinian Rosca, Genetic programming acquires solutions by combining top-down and bottom-up refinement, Foundations of Genetic Programming (Orlando, Florida, USA) (Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, eds.), 13 July 1999, pp. 64–65.
- [95] Brian J. Rose, Logic-based genetic programming with definite clause translation grammars, Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation (Orlando, Florida, USA) (Talib S. Hussain, ed.), 13 July 1999, pp. 73–75.
- [96] Roberto Santana, On estimation distribution algorithms, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 402.

- [97] Roberto Santana, Alberto Ochoa, and Marta R. Soto, Evolutionary algorithms for dynamic optimization problems: An approach using evolutionary theory and the incident edge model, Evolutionary Algorithms for Dynamic Optimization Problems (Orlando, Florida, USA) (Juergen Branke and Thomas Baeck, eds.), 13 July 1999, pp. 149–152.
- [98] Shaun Saxon and Alwyn Barry, Xcs and the monk's problems, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 272–281.
- [99] Sandip Sen, Anish Biswas, Sandip Debnath, and Narendra Puppala, Cooperative coevolution using shared memory, Coevolutionary Algorithms and Coevolving Agents (Orlando, Florida, USA) (Colin G. Johnson, Bjorn Olsson, and Steve Romaniuk, eds.), 13 July 1999, pp. 8–11.
- [100] Sandip Sen, Manisha Mundhe, and Sandip Debnath, Evolving agent societies that avoid social dilemmas, Coevolutionary Algorithms and Coevolving Agents (Orlando, Florida, USA) (Colin G. Johnson, Bjorn Olsson, and Steve Romaniuk, eds.), 13 July 1999, pp. 12–14.
- [101] K. J. Shaw, C. M. Fonseca, and P. J. Fleming, A simple demonstration of a quantitative technique for comparing multiobjective genetic algorithm performance, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 119– 120.
- [102] Lucia Sheehan, Self-tuning evolutionary system, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 403.
- [103] Mark C. Sinclair, Evolutionary telecommunications: A summary, Evolutionary Telecommunications: Past, Present, and Future (Orlando, Florida, USA) (Mark C. Sinclair, David Corne, and George D. Smith, eds.), 13 July 1999, pp. 209–212.
- [104] Mark C. Sinclair and Adrian F. Clark, Evolving an artificial vision system: Initial considerations, Evolution of Sensors in Nature, Hardware, and Simulation (Orlando, Florida, USA) (Daniel Polani, Thomas Uthmann, and Kerstin Dautenhahn, eds.), 13 July 1999, pp. 191–195.
- [105] Mark C. Sinclair, David Corne, and George D. Smith, Evolutionary telecommunications: Past, present, and future, Evolutionary Telecommunications: Past, Present, and Future (Orlando, Florida, USA) (Mark C. Sinclair, David Corne, and George D. Smith, eds.), 13 July 1999, p. 208.
- [106] George D. Smith, Genetic algorithms for mobile and satellite telecommunication systems, Evolutionary Telecommunications: Past, Present, and Future (Orlando, Florida, USA) (Mark C. Sinclair, David Corne, and George D. Smith, eds.), 13 July 1999, pp. 217–218.
- [107] 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, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 282–289.
- [108] Robert E. Smith, Embodiment of evolutionary computation in network agents, Evolutionary Telecommunications: Past, Present, and Future (Orlando, Florida, USA) (Mark C. Sinclair, David Corne, and George D. Smith, eds.), 13 July 1999, pp. 219–220.
- [109] William M. Spears, An overview of multidimensional visualization techniques, Evolutionary Computation Visualization (Orlando, Florida, USA) (Trevor D. Collins, ed.), 13 July 1999, pp. 104–105.
- [110] Wolfgang Stolzmann, Latent learning in khepera robots with anticipatory classifier systems, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 290–297.
- [111] Apichart Suppapitnarm, Simulated annealing: An alternative approach to true multiobjective optimization, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 406–407.

- [112] Fattaneh Taghiyareh, Toward designing a new parallel fine-grain genetic algorithm, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 408.
- [113] Christof Teuscher, Romero's pilgrimage to santa fe: A tale of robot evolution, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 409–410.
- [114] Andy Tomlinson and Larry Bull, *A corporate xcs*, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 298–305.
- [115] ______, A zeroth level corporate classifier system, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 306–313.
- [116] Peter D. Turney, Increasing evolvability considered as a large scale trend in evolution, Evolvability (Orlando, Florida, USA) (Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, eds.), 13 July 1999, pp. 43–46.
- [117] David A. Van Veldhuizen and Gary B. Lamont, Genetic algorithms, building blocks, and multiobjective optimization, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 125–126.
- [118] ______, Moea test suite generation, design, and use, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 113– 114.
- [119] Oswaldo Vele-Langs, A genetic metaheuristic for traveling salespersons problem, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 412–413.
- [120] Mark Voss, Evolutionary algorithm for structural optimization, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 414–415.
- [121] Gunter P. Wagner, *The quantitative genetic theory of evolvability*, Evolvability (Orlando, Florida, USA) (Paul Marrow, Mark Shackleton, Jose-Luis Fernandez-Villacanas, and Tom Ray, eds.), 13 July 1999, pp. 47–50.
- [122] Richard Watson, Evolution and problem decomposition, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 416–417.
- [123] T. H. Westerdale, Wilson's error measurement and the markov property identifying detrimental classifiers, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 314–321.
- [124] Stewart W. Wilson, State of xcs classifier system research, 2nd International Workshop on Learning Classifier Systems (Orlando, Florida, USA) (Pier Luca Lanzi, Wolfgang Stolzmann, and Stewart W. Wilson, eds.), 13 July 1999, pp. 322–334.
- [125] David Harlan Wood, Getting our bearings in dna computing: A panel discussion, Getting Our Bearings in DNA Computing (Orlando, Florida, USA) (David Harlan Wood, ed.), 13 July 1999, pp. 222–224.
- [126] Annie S. Wu (ed.), Orlando, Florida, USA, 13 July 1999.
- [127] 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, Computational Models in Theoretical Biology (Orlando, Florida, USA) (C. C. Maley, ed.), 13 July 1999, pp. 24–28.
- [128] Annie S. Wu, Connie L. Ramsey, Kenneth A. De Jong, John J. Grefenstette, and Donald S. Burke, Vis: A genetic algorithm visualization tool, Evolutionary Computation Visualization (Orlando, Florida, USA) (Trevor D. Collins, ed.), 13 July 1999, pp. 106–109.

- [129] Xin Yao, *Universal approximation by genetic programming*, Foundations of Genetic Programming (Orlando, Florida, USA) (Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, eds.), 13 July 1999, pp. 66–67.
- [130] Stefan Zemke, Amalgamation of genetic selection and boosting, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, pp. 418–419.
- [131] Byoung-Tak Zhang, *Bayesian genetic programming*, Foundations of Genetic Programming (Orlando, Florida, USA) (Thomas Haynes, William B. Langdon, Una-May O'Reilly, Riccardo Poli, and Justinian Rosca, eds.), 13 July 1999, pp. 68–70.
- [132] Jian Zhang, *Niching in an es context*, Graduate Student Workshop (Orlando, Florida, USA) (Una-May O'Reilly, ed.), 13 July 1999, p. 420.
- [133] Eckart Zitzler, Kalyanmoy Deb, and Lothar Thiele, Comparison of multiobjective evolutionary algorithms on test functions of different difficulty, Multi-criterion Optimization Using Evolutionary Methods (Orlando, Florida, USA) (Kalyanmoy Deb, ed.), 13 July 1999, pp. 121–122.