Список литературы

- [Alissandrakis and Dautenhahn(1999)] A. Alissandrakis and K. Dautenhahn, "Evolution of vision-based agent behavior in hilly landscapes," in *Evolution of Sensors in Nature, Hardware, and Simulation*, D. Polani, T. Uthmann, and K. Dautenhahn, Eds., Orlando, Florida, USA, 13 July 1999, pp. 186–190.
- [Anbarasu et al.(1999)Anbarasu, Narayanasamy, and Sundararajan] L. A. Anbarasu, P. Narayanasamy, and V. Sundararajan, "Multiple sequence alignment by parallely evolvable genetic algorithms," in *Evolutionary Computation and Parallel Processing*, E. Cantu-Paz and B. Punch, Eds., Orlando, Florida, USA, 13 July 1999, pp. 154–156.
- [Antipov(1999)] E. Antipov, "A max 1s problem in dna computing via gas," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 338.
- [Anwar(1999)] A. Anwar, "Sparse distributed memory with evolutionary mechanisms," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 339–340.
- [Baeck(1999)] T. Baeck, "Self-adaptive genetic algorithms for dynamic environments with slow dynamics," in *Evolutionary Algorithms for Dynamic Optimization Problems*, J. Branke and T. Baeck, Eds., Orlando, Florida, USA, 13 July 1999, pp. 142–145.
- [Bedau(1999a)] M. A. Bedau, "Can unrealistic computer models illuminate theoretical biology?" in *Computational Models in Theoretical Biology*, C. C. Maley, Ed., Orlando, Florida, USA, 13 July 1999, pp. 20–23.
- [Bedau(1999b)] —, "Quantifying the extent and intensity of adaptive evolution," in *Evolvability*, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, Eds., Orlando, Florida, USA, 13 July 1999, pp. 34–37.
- [Bedau et al.(1999)Bedau, Joshi, and Lillie] M. A. Bedau, S. Joshi, and B. Lillie, "Visualizing waves of evolutionary activity of alleles," in *Evolutionary Computation Visualization*, T. D. Collins, Ed., Orlando, Florida, USA, 13 July 1999, pp. 96–98.
- [bin Suen and shiang Kouh(1999)] J. bin Suen and J. shiang Kouh, "Genetic algorithms for optimal series propeller design," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 404–405.
- [Binh(1999)] T. T. Binh, "A multiobjective evolutionary algorithm: The study cases," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 127–128.
- [Bonarini et al.(1999)Bonarini, Bonacina, and Matteucci] A. Bonarini, C. Bonacina, and M. Matteucci, "Fuzzy and crisp representations of real-valued input for learning classifier systems," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 228–235.
- [Booker(1999)] L. B. Booker, "Do we really need to estimate rule utilities in classifier systems?" in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 236–241.
- [Bradwell and Brown(1999)] R. Bradwell and K. Brown, "Parallel asynchronous memetic algorithms," in *Evolutionary Computation and Parallel Processing*, E. Cantu-Paz and B. Punch, Eds., Orlando, Florida, USA, 13 July 1999, pp. 157–159.
- [Branke(1999)] J. Branke, "Evolutionary approaches to dynamic optimization problems a survey," in *Evolutionary Algorithms for Dynamic Optimization Problems*, J. Branke and T. Baeck, Eds., Orlando, Florida, USA, 13 July 1999, pp. 134–137.
- [Braud and Vrain(1999)] A. Braud and C. Vrain, "A parallel genetic algorithm based on the bsp model," in *Evolutionary Computation and Parallel Processing*, E. Cantu-Paz and B. Punch, Eds., Orlando, Florida, USA, 13 July 1999, pp. 160–162.

- [Butz and Stolzmann(1999)] M. Butz and W. Stolzmann, "Action-planning in anticipatory classifier systems," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 242–249.
- [Card(1999)] S. Card, "Genetic programming of wavelet networks for time series prediction," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 341–342.
- [Cardalda(1999)] J. J. R. Cardalda, "Musical adaptive systems," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 343–344.
- [Chong(1999)] F. S. Chong, "Java based distributed genetic programming on the internet," in *Evolutionary Computation and Parallel Processing*, E. Cantu-Paz and B. Punch, Eds., Orlando, Florida, USA, 13 July 1999, pp. 163–166.
- [Coello(1999)] C. A. C. Coello, "Constraint handling through a multiobjective optimization technique," in Multi-criterion Optimization Using Evolutionary Methods, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 117–118.
- [Collins(1999b)] J. J. Collins, "Visualization of evolutionary algorithms using principal components analysis," in *Evolutionary Computation Visualization*, T. D. Collins, Ed., Orlando, Florida, USA, 13 July 1999, pp. 99–100.
- [Collins(1999a)] T. D. Collins, "Evolutionary computation visualization," in *Evolutionary Computation Visualization*, T. D. Collins, Ed., Orlando, Florida, USA, 13 July 1999, pp. 94–95.
- [Costa(1999)] J. C. Costa, "Artificial life modeling of downy mildew of the grapevine," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 346–347.
- [Cunha et al.(1999)Cunha, Oliveira, and Covas] A. G. Cunha, P. Oliveira, and J. A. Covas, "Genetic algorithms in multiobjective optimization problems: An application to polymer extrusion," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 129–130.
- [Daida(1999a)] J. M. Daida, "Reconnoiter by candle: Identifying assumptions in genetic programming," in *Foundations of Genetic Programming*, T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, Eds., Orlando, Florida, USA, 13 July 1999, pp. 53–54.
- [Daida(1999b)] —, "The methodology, pedagogy, and philosophy of genetic and evolutionary computation: Reporting and research practices," in *The Methodology, Pedagogy, and Philosophy of Genetic and Evolutionary Computation*, J. M. Daida, Ed., Orlando, Florida, USA, 13 July 1999, pp. 88–92.
- [Davis(1999)] L. Davis, "Telecommunications and the evolution of algorithms," in *Evolutionary Telecommunications: Past, Present, and Future*, M. C. Sinclair, D. Corne, and G. D. Smith, Eds., Orlando, Florida, USA, 13 July 1999, pp. 213–214.
- [Davison and Rasheed(1999)] B. D. Davison and K. Rasheed, "Effect of global parallelism on a steady state ga," in *Evolutionary Computation and Parallel Processing*, E. Cantu-Paz and B. Punch, Eds., Orlando, Florida, USA, 13 July 1999, pp. 167–170.
- [Deb(1999)] K. Deb, "Organizer's comments," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 111–112.
- [Dopico(1999)] J. R. R. Dopico, "Search and generation of heuristic rules of experience for the simplification of ann training with genetic algorithm," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 348.
- [Eldershaw and Cameron(1999)] C. Eldershaw and S. Cameron, "Motion planning using gas," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 349.

- [Etaner-Uyar(1999)] S. Etaner-Uyar, "New operators and dominance scheme for a diploid ga," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 350–351.
- [Feyzbakhsh(1999)] S. A. Feyzbakhsh, "The new methodology of adam-eve-like genetic algorithm for cost optimization," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 352.
- [Freitas(1999)] A. A. Freitas, "A summary of the papers presented at the joint aaai-99 and gecco-99 workshop on data mining with evolutionary algorithms: Research directions," in *Joint GECCO-99 and AAAI-99 Workshop Data Mining with Evolutionary Algorithms: Research Directions*, A. A. Freitas, Ed., Orlando, Florida, USA, 13 July 1999, p. 226.
- [Gallego-Schmid(1999)] M. Gallego-Schmid, "Modified antnet: software application in the evaluation and management of a telecommunication network," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 353–354.
- [Giacobini(1999)] M. Giacobini, "A randomness test for binary sequences based on evolutionary algorithms," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 355–356.
- [Glickman and Sycara(1999)] M. Glickman and K. Sycara, "Comparing mechanisms for evolving evolvability," in *Evolvability*, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, Eds., Orlando, Florida, USA, 13 July 1999, pp. 38–41.
- [Haynes et al.(1999)Haynes, Langdon, O'Reilly, Poli, and Rosca] T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, "Foundations of genetic programming: Preface," in *Foundations of Genetic Programming*, T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, Eds., Orlando, Florida, USA, 13 July 1999, p. 52.
- [He and Mort(1999)] L. He and N. Mort, "Application of parallel genetic algorithms to combinatorial multimodal optimization problems," in *Evolutionary Computation and Parallel Processing*, E. Cantu-Paz and B. Punch, Eds., Orlando, Florida, USA, 13 July 1999, pp. 171–173.
- [Herreros et al.(1999)Herreros, Baeyens, and Peran] A. Herreros, E. Baeyens, and J. R. Peran, "Design of multiobjective robust controllers using genetic algorithms," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 131–132.
- [Hidalgo(1999)] J. I. Hidalgo, "Graph partitioning methods for multi-fpga systems and reconfigurable hardware using genetic algorithms," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 357–358.
- [Holmes(1999)] J. H. Holmes, "Quantitative methods for evaluating learning classifier system performance in forced two-choice decision tasks," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 250–257.
- [Hoyweghen(1999)] C. V. Hoyweghen, "Symmetry in the representation of an optimization problem," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 411.
- [Hussain(1999)] T. S. Hussain, "Workshop on advanced grammar techniques within genetic programming and evolutionary computation," in Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation, T. S. Hussain, Ed., Orlando, Florida, USA, 13 July 1999, p. 72.
- [Hussain and Browse(1999)] T. S. Hussain and R. A. Browse, "Genetic operators with dynamic biases that operate on attribute grammar representations of neural networks," in *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, T. S. Hussain, Ed., Orlando, Florida, USA, 13 July 1999, pp. 83–86.

- [Hutt and Keating(1999)] B. Hutt and D. Keating, "The evolution of an eye in visually guided foraging agents," in *Evolution of Sensors in Nature, Hardware, and Simulation*, D. Polani, T. Uthmann, and K. Dautenhahn, Eds., Orlando, Florida, USA, 13 July 1999, pp. 196–200.
- [Jacob(1999)] C. Jacob, "Lindenmayer systems and growth program evolution," in Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation, T. S. Hussain, Ed., Orlando, Florida, USA, 13 July 1999, pp. 76–79.
- [Janikow(1999)] C. Z. Janikow, "Constrained genetic programming," in Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation, T. S. Hussain, Ed., Orlando, Florida, USA, 13 July 1999, pp. 80–82.
- [Jimenez et al.(1999)Jimenez, Verdegay, and Gomez-Skarmeta] F. Jimenez, J. L. Verdegay, and A. F. Gomez-Skarmeta, "Evolutionary techniques for constrained multiobjective optimization problems," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 115–116.
- [Kalganova(1999)] T. Kalganova, "A new evolutionary hardware approach for logic design," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 360–361.
- [Kanade(1999)] U. Kanade, "A study of arithmetic genetic encoding for highly randomized fitness landscapes," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 362–363.
- [Karle(1999)] V. Karle, "Algorithm for the paratransit vehicle routing problem using a modified crossover operator based on adjacency relations," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 364.
- [Karr(1999)] C. L. Karr, "An architecture for adaptive process control systems," in Evolutionary Algorithms for Dynamic Optimization Problems, J. Branke and T. Baeck, Eds., Orlando, Florida, USA, 13 July 1999, pp. 146–148.
- [Keijzer(1999)] M. Keijzer, "Scientific discovery using genetic programming," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 365–366.
- [Khalak(1999)] A. Khalak, "Evolutionary model of open source software: economic impact," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 367–368.
- [Kim(1999)] J. Kim, "An artificial immune system for network intrusion detection," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 369–370.
- [Knowles and Corne(1999)] J. Knowles and D. Corne, "Assessing the performance of the pareto archived evolution strategy," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 123–124.
- [Kovacs(1999)] T. Kovacs, "Strength or accuracy? a comparison of two approaches to fitness calculation in learning classifier systems," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 258–265.
- [Krasnogor(1999)] N. Krasnogor, "Coevolution of genes and memes in memetic algorithms," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 371.
- [Kubota and Fukuda(1999)] N. Kubota and T. Fukuda, "Hierarchical coding in coevolutionary algorithms," in *Coevolutionary Algorithms and Coevolving Agents*, C. G. Johnson, B. Olsson, and S. Romaniuk, Eds., Orlando, Florida, USA, 13 July 1999, pp. 2–4.
- [Kumar(1999)] S. Kumar, "Lessons from nature: The benefits of embryology," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 372–373.

- [Langdon(1999)] W. B. Langdon, "Linear increase in tree height leads to sub-quadratic bloat," in Foundations of Genetic Programming, T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, Eds., Orlando, Florida, USA, 13 July 1999, pp. 55–56.
- [Lattaud(1999)] C. Lattaud, "Non-homogenous classifier systems in a macro-evolution process," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 266–271.
- [Li(1999)] J. Li, "Fgp: A genetic programming tool for financial prediction," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 374.
- [Liese et al.(1999)Liese, Polani, and Uthmann] A. Liese, D. Polani, and T. Uthmann, "Evolution of the spectral properties of a visual agent receptor," in *Evolution of Sensors in Nature, Hardware*, and Simulation, D. Polani, T. Uthmann, and K. Dautenhahn, Eds., Orlando, Florida, USA, 13 July 1999, pp. 201–206.
- [Livingstone(1999)] D. Livingstone, "On modelling the evolution of language and languages," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 375–376.
- [Love and Johnson(1999)] J. E. Love and K. M. Johnson, "Evolving natural and artificial gravisensory systems," in *Evolution of Sensors in Nature, Hardware, and Simulation*, D. Polani, T. Uthmann, and K. Dautenhahn, Eds., Orlando, Florida, USA, 13 July 1999, pp. 179–183.
- [Lukschandl(1999)] E. Lukschandl, "Evolving the behavior of collaborating entities using genetic programming," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 377–378.
- [Maley(1999)] C. C. Maley, "Methodologies in the use of computational models for theoretical biology," in *Computational Models in Theoretical Biology*, C. C. Maley, Ed., Orlando, Florida, USA, 13 July 1999, pp. 16–19.
- [Marino(1999)] A. Marino, "Sexual vs. asexual recombination for the graph coloring problem with hybrid genetic algorithms," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 379–380.
- [Marrow(1999)] P. Marrow, "Evolvability: Evolvability, computation, biology," in Evolvability, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, Eds., Orlando, Florida, USA, 13 July 1999, pp. 30–33.
- [Mattfeld and Bierwirth(1999)] D. C. Mattfeld and C. Bierwirth, "Adaptation and dynamic optimization problems: A view from general system theory," in *Evolutionary Algorithms for Dynamic Optimization Problems*, J. Branke and T. Baeck, Eds., Orlando, Florida, USA, 13 July 1999, pp. 138–141.
- [Mautner(1999)] C. Mautner, "Exploring sensor usage in simulated evolutionary robotics," in *Evolution of Sensors in Nature, Hardware, and Simulation*, D. Polani, T. Uthmann, and K. Dautenhahn, Eds., Orlando, Florida, USA, 13 July 1999, pp. 184–185.
- [Mehrotra(1999)] R. Mehrotra, "Gust loads and gust methods for predicting aircraft loads and dynamic response," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 381–382.
- [Monett(1999)] D. Monett, "Genetic algorithm techniques and intelligent agents design for the mathematical modeling of chemical processes in medicine," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 383–385.
- [Munetomo(1999)] M. Munetomo, "Designing genetic algorithms for adaptive routing algorithms in the internet," in *Evolutionary Telecommunications: Past, Present, and Future*, M. C. Sinclair, D. Corne, and G. D. Smith, Eds., Orlando, Florida, USA, 13 July 1999, pp. 215–216.

- [Noda(1999)] E. Noda, "Discovering interesting prediction rules with a genetic algorithm," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 386–387.
- [Nordin et al.(1999)Nordin, Banzhaf, and Francone] P. Nordin, W. Banzhaf, and F. D. Francone, "Compression of effective size in genetic programming," in *Foundations of Genetic Programming*, T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, Eds., Orlando, Florida, USA, 13 July 1999, pp. 57–60.
- [Ochoa(1999)] G. Ochoa, "The multiple roles of recombination in gas," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 388.
- [Ofria(1999)] C. Ofria, "Robustness and evolvability of programming languages," in Evolvability, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, Eds., Orlando, Florida, USA, 13 July 1999, p. 42.
- [Olsson(1999)] L. Olsson, "Strategy evolution for electronic markets using genetic programming," in Graduate Student Workshop, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 389.
- [O'Neill(1999)] M. O'Neill, "Automatic programming with grammatical evolution," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 390–391.
- [Parandekar(1999)] A. Parandekar, "Genetic algorithm-based optimizer: A java based teaching tool," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 392–393.
- [Podgorelec(1999)] V. Podgorelec, "Medical diagnosis prediction using genetic programming," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 394–395.
- [Pohlheim(1999)] H. Pohlheim, "Visualization of evolutionary algorithms: Real-world application of standard techniques and multidimensional visualization," in *Evolutionary Computation Visualization*, T. D. Collins, Ed., Orlando, Florida, USA, 13 July 1999, pp. 101–103.
- [Pohlheim et al.(1999)Pohlheim, Pawletta, and Westphal] H. Pohlheim, S. Pawletta, and A. Westphal, "Parallel evolutionary optimization under matlab on standard computing networks," in *Evolutionary Computation and Parallel Processing*, E. Cantu-Paz and B. Punch, Eds., Orlando, Florida, USA, 13 July 1999, pp. 174–176.
- [Polani et al.(1999)Polani, Uthmann, and Dautenhahn] D. Polani, T. Uthmann, and K. Dautenhahn, "Gecco birds-of-a-feather workshop on evolution of sensors in nature, hardware, and simulation," in *Evolution of Sensors in Nature, Hardware, and Simulation*, D. Polani, T. Uthmann, and K. Dautenhahn, Eds., Orlando, Florida, USA, 13 July 1999, p. 178.
- [Poli(1999)] R. Poli, "Schema theory without expectations for gp and gas with one-point crossover in the presence of schema creation," in *Foundations of Genetic Programming*, T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, Eds., Orlando, Florida, USA, 13 July 1999, pp. 61–63.
- [Porter(1999)] R. Porter, "Ga-accelerators using fpgas," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 396–397.
- [Pratihar(1999)] D. K. Pratihar, "Optimal path and gait generations simultaneously of a six-legged robot using a ga-fuzzy approach," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 398–399.
- [Quick(1999)] T. Quick, "Embodiment as situated structural coupling," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 400.
- [Rekiek(1999)] B. Rekiek, "Multiple-objectives genetic algorithm," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 401.

- [Romaniuk(1999)] S. G. Romaniuk, "From agent collaboration and communication to speciation and simplified software design," in *Coevolutionary Algorithms and Coevolving Agents*, C. G. Johnson, B. Olsson, and S. Romaniuk, Eds., Orlando, Florida, USA, 13 July 1999, pp. 5–7.
- [Rosca(1999)] J. Rosca, "Genetic programming acquires solutions by combining top-down and bottom-up refinement," in *Foundations of Genetic Programming*, T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, Eds., Orlando, Florida, USA, 13 July 1999, pp. 64–65.
- [Rose(1999)] B. J. Rose, "Logic-based genetic programming with definite clause translation grammars," in Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation, T. S. Hussain, Ed., Orlando, Florida, USA, 13 July 1999, pp. 73–75.
- [Santana(1999)] R. Santana, "On estimation distribution algorithms," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 402.
- [Santana et al.(1999)Santana, Ochoa, and Soto] R. Santana, A. Ochoa, and M. R. Soto, "Evolutionary algorithms for dynamic optimization problems: An approach using evolutionary theory and the incident edge model," in *Evolutionary Algorithms for Dynamic Optimization Problems*, J. Branke and T. Baeck, Eds., Orlando, Florida, USA, 13 July 1999, pp. 149–152.
- [Saxon and Barry(1999)] S. Saxon and A. Barry, "Xcs and the monk's problems," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 272–281.
- [Sen et al.(1999a)Sen, Biswas, Debnath, and Puppala] S. Sen, A. Biswas, S. Debnath, and N. Puppala, "Cooperative coevolution using shared memory," in *Coevolutionary Algorithms and Coevolving Agents*, C. G. Johnson, B. Olsson, and S. Romaniuk, Eds., Orlando, Florida, USA, 13 July 1999, pp. 8–11.
- [Sen et al.(1999b)Sen, Mundhe, and Debnath] S. Sen, M. Mundhe, and S. Debnath, "Evolving agent societies that avoid social dilemmas," in *Coevolutionary Algorithms and Coevolving Agents*, C. G. Johnson, B. Olsson, and S. Romaniuk, Eds., Orlando, Florida, USA, 13 July 1999, pp. 12–14.
- [Shaw et al.(1999)Shaw, Fonseca, and Fleming] K. J. Shaw, C. M. Fonseca, and P. J. Fleming, "A simple demonstration of a quantitative technique for comparing multiobjective genetic algorithm performance," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 119–120.
- [Sheehan(1999)] L. Sheehan, "Self-tuning evolutionary system," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 403.
- [Sinclair(1999)] M. C. Sinclair, "Evolutionary telecommunications: A summary," in *Evolutionary Telecommunications: Past, Present, and Future*, M. C. Sinclair, D. Corne, and G. D. Smith, Eds., Orlando, Florida, USA, 13 July 1999, pp. 209–212.
- [Sinclair and Clark(1999)] M. C. Sinclair and A. F. Clark, "Evolving an artificial vision system: Initial considerations," in *Evolution of Sensors in Nature, Hardware, and Simulation*, D. Polani, T. Uthmann, and K. Dautenhahn, Eds., Orlando, Florida, USA, 13 July 1999, pp. 191–195.
- [Sinclair et al.(1999)Sinclair, Corne, and Smith] M. C. Sinclair, D. Corne, and G. D. Smith, "Evolutionary telecommunications: Past, present, and future," in *Evolutionary Telecommunications: Past, Present, and Future*, M. C. Sinclair, D. Corne, and G. D. Smith, Eds., Orlando, Florida, USA, 13 July 1999, p. 208.
- [Smith(1999a)] G. D. Smith, "Genetic algorithms for mobile and satellite telecommunication systems," in *Evolutionary Telecommunications: Past, Present, and Future*, M. C. Sinclair, D. Corne, and G. D. Smith, Eds., Orlando, Florida, USA, 13 July 1999, pp. 217–218.
- [Smith et al.(1999)Smith, Dike, Ravichandran, El-Fallah, and Mehra] R. E. Smith, B. A. Dike, B. Ravichandran, A. El-Fallah, and R. K. Mehra, "The fighter aircraft lcs: A case of different lcs goals and techniques," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 282–289.

- [Smith(1999b)] R. E. Smith, "Embodiment of evolutionary computation in network agents," in *Evolutionary Telecommunications: Past, Present, and Future*, M. C. Sinclair, D. Corne, and G. D. Smith, Eds., Orlando, Florida, USA, 13 July 1999, pp. 219–220.
- [Spears(1999)] W. M. Spears, "An overview of multidimensional visualization techniques," in *Evolutionary Computation Visualization*, T. D. Collins, Ed., Orlando, Florida, USA, 13 July 1999, pp. 104–105.
- [Stolzmann(1999)] W. Stolzmann, "Latent learning in khepera robots with anticipatory classifier systems," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 290–297.
- [Suppapitnarm(1999)] A. Suppapitnarm, "Simulated annealing: An alternative approach to true multiobjective optimization," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 406–407.
- [Taghiyareh(1999)] F. Taghiyareh, "Toward designing a new parallel fine-grain genetic algorithm," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 408.
- [Teuscher(1999)] C. Teuscher, "Romero's pilgrimage to santa fe: A tale of robot evolution," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 409–410.
- [Tomlinson and Bull(1999b)] A. Tomlinson and L. Bull, "A zeroth level corporate classifier system," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 306–313.
- [Tomlinson and Bull(1999a)] —, "A corporate xcs," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 298–305.
- [Turney(1999)] P. D. Turney, "Increasing evolvability considered as a large scale trend in evolution," in Evolvability, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, Eds., Orlando, Florida, USA, 13 July 1999, pp. 43–46.
- [Veldhuizen and Lamont(1999b)] D. A. V. Veldhuizen and G. B. Lamont, "Genetic algorithms, building blocks, and multiobjective optimization," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 125–126.
- [Veldhuizen and Lamont(1999a)] —, "Moea test suite generation, design, and use," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 113–114.
- [Vele-Langs(1999)] O. Vele-Langs, "A genetic metaheuristic for traveling salespersons problem," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 412–413.
- [Voss(1999)] M. Voss, "Evolutionary algorithm for structural optimization," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 414–415.
- [Wagner(1999)] G. P. Wagner, "The quantitative genetic theory of evolvability," in Evolvability, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, Eds., Orlando, Florida, USA, 13 July 1999, pp. 47–50.
- [Watson(1999)] R. Watson, "Evolution and problem decomposition," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 416–417.
- [Westerdale(1999)] T. H. Westerdale, "Wilson's error measurement and the markov property identifying detrimental classifiers," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 314–321.

- [Wilson(1999)] S. W. Wilson, "State of xcs classifier system research," in 2nd International Workshop on Learning Classifier Systems, P. L. Lanzi, W. Stolzmann, and S. W. Wilson, Eds., Orlando, Florida, USA, 13 July 1999, pp. 322–334.
- [Wood(1999)] D. H. Wood, "Getting our bearings in dna computing: A panel discussion," in *Getting Our Bearings in DNA Computing*, D. H. Wood, Ed., Orlando, Florida, USA, 13 July 1999, pp. 222–224.
- [Wu(1999)] A. S. Wu, Ed., Orlando, Florida, USA, 13 July 1999. [Online]. Available: http://www.aic.nrl.navy.mil:80/~aswu/gecco99
- [Wu et al.(1999a)Wu, Ramsey, Burke, De Jong, and Grefenstette] A. S. Wu, C. L. Ramsey, D. S. Burke, K. A. De Jong, and J. J. Grefenstette, "An evolutionary computation model for studying viral evolution," in *Computational Models in Theoretical Biology*, C. C. Maley, Ed., Orlando, Florida, USA, 13 July 1999, pp. 24–28.
- [Wu et al.(1999b)Wu, Ramsey, De Jong, Grefenstette, and Burke] A. S. Wu, C. L. Ramsey, K. A. De Jong, J. J. Grefenstette, and D. S. Burke, "Vis: A genetic algorithm visualization tool," in Evolutionary Computation Visualization, T. D. Collins, Ed., Orlando, Florida, USA, 13 July 1999, pp. 106–109.
- [Yao(1999)] X. Yao, "Universal approximation by genetic programming," in *Foundations of Genetic Programming*, T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, Eds., Orlando, Florida, USA, 13 July 1999, pp. 66–67.
- [Zemke(1999)] S. Zemke, "Amalgamation of genetic selection and boosting," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 418–419.
- [Zhang(1999a)] B.-T. Zhang, "Bayesian genetic programming," in Foundations of Genetic Programming, T. Haynes, W. B. Langdon, U.-M. O'Reilly, R. Poli, and J. Rosca, Eds., Orlando, Florida, USA, 13 July 1999, pp. 68–70.
- [Zhang(1999b)] J. Zhang, "Niching in an es context," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 420.
- [Zitzler et al.(1999)Zitzler, Deb, and Thiele] E. Zitzler, K. Deb, and L. Thiele, "Comparison of multiobjective evolutionary algorithms on test functions of different difficulty," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 121–122.