Список литературы

[1] 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.

[2] L. A. Anbarasu, P. Narayanasamy, and V. Sundararajan, "Multiple sequence alignment by parally 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.

[3] 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.

[4] 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.

[5] 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.

[6] 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.

[7] ——, "Quantifying the extent and intensity of adaptive evolution," in *Evolvability*, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, Eds., Orlando, Florida, 13 July 1999, pp. 34–37.

[8] 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.

[9] 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.

[10] 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.

[11] 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.

[12] 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.

[13] 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.

[14] 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.

[15] 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.

[16] 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.

[17] 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.

[18] 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.

[19] 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.

[20] 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.

[21] 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.

[22] T. D. Collins, "Evolutionary computation visualization," in *Evolutionary Computation Visualization*, T. D. Collins, Ed., Orlando, Florida, USA, 13 July 1999, pp. 94–95.

[23] 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.

[24] 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.

[25] J. M. Daida, "The methodology, pedagogy, and philosophy of genetic and evolutionary computation: Reporting and research practices," in *The Methodology, Pedagogy, and Philosophy of Genetic and Evolutionary Computation*, J. M. Daida, Ed., Orlando, Florida, USA, 13 July 1999, pp. 88–92.

[26] ——, "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.

[27] 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.

[28] 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.

[29] K. Deb, "Organizer's comments," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, Ed., Orlando, Florida, USA, 13 July 1999, pp. 111–112.

[30] 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.

[31] 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.

[32] 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.

[33] 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.

[34] 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.

[35] 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.

[36] 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.

[37] 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.

[38] 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.

[39] 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.

[40] 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.

[41] 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.

[42] 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.

[43] 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.

[44] 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.

[45] 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.

[46] 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.

[47] 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.

[48] 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.

[49] 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.

[50] 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.

[51] 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.

[52] 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.

[53] 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.

[54] 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.

[55] 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.

[56] 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.

[57] 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.

[58] 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.

[59] 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.

[60] 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.

[61] 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.

[62] 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.

[63] 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.

[64] 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.

[65] 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.

[66] 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.

[67] 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.

[68] 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.

[69] 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.

[70] 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.

[71] 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.

[72] 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.

[73] 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.

[74] 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.

[75] 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.

[76] 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.

[77] 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.

[78] 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.

[79] 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.

[80] 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.

[81] 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.

[82] 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.

[83] 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.

[84] 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.

[85] 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.

[86] 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.

[87] 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.

[88] 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.

[89] R. Porter, "Ga-accelerators using fpgas," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 396–397.

[90] 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.

[91] T. Quick, "Embodiment as situated structural coupling," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 400.

[92] B. Rekiek, "Multiple-objectives genetic algorithm," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 401.

[93] 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.

[94] 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.

[95] 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.

[96] R. Santana, "On estimation distribution algorithms," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 402.

[97] 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.

[98] 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.

[99] 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.

[100] 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.

[101] 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.

[102] L. Sheehan, "Self-tuning evolutionary system," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 403.

[103] 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.

[104] 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.

[105] 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.

[106] 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.

[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," 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.

[108] 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.

[109] 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.

[110] 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.

[111] 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.

[112] 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.

[113] 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.

[114] A. Tomlinson and L. Bull, "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.

[115] ——, "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.

[116] 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.

[117] 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.

[118] ——, "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.

[119] 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.

[120] 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.

[121] 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.

[122] R. Watson, "Evolution and problem decomposition," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, pp. 416–417.

[123] 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.

[124] 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.

[125] 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.

[126] A. S. Wu, Ed., Orlando, Florida, USA, 13 July 1999. [Online]. Available: http://www.aic.nrl.navy.mil:80/~aswu/gecco99

[127] 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.

[128] 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.

[129] 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.

[130] 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.

[131] 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.

[132] J. Zhang, "Niching in an es context," in *Graduate Student Workshop*, U.-M. O'Reilly, Ed., Orlando, Florida, USA, 13 July 1999, p. 420.

[133] 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.