Список литературы

- [1] A. S. Wu, ed. Orlando, Florida, USA, 13 july, 1999. http://www.aic.nrl.navy.mil:80/~aswu/gecco99.
- [2] 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., pp. 2–4. Orlando, Florida, USA, 13 july, 1999.
- [3] 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., pp. 5–7. Orlando, Florida, USA, 13 july, 1999.
- [4] 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., pp. 8–11. Orlando, Florida, USA, 13 july, 1999.
- [5] 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., pp. 12–14. Orlando, Florida, USA, 13 july, 1999.
- [6] C. C. Maley, "Methodologies in the use of computational models for theoretical biology," in Computational Models in Theoretical Biology, C. C. Maley, ed., pp. 16–19. Orlando, Florida, USA, 13 july, 1999.
- [7] M. A. Bedau, "Can unrealistic computer models illuminate theoretical biology?" in Computational Models in Theoretical Biology, C. C. Maley, ed., pp. 20–23. Orlando, Florida, USA, 13 july, 1999.
- [8] 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., pp. 24–28. Orlando, Florida, USA, 13 july, 1999.
- [9] P. Marrow, "Evolvability: Evolvability, computation, biology," in *Evolvability*, P. Marrow,
 M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, eds., pp. 30–33. Orlando, Florida,
 USA, 13 july, 1999.
- [10] M. A. Bedau, "Quantifying the extent and intensity of adaptive evolution," in *Evolvability*, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, eds., pp. 34–37. Orlando, Florida, USA, 13 july, 1999.
- [11] M. Glickman and K. Sycara, "Comparing mechanisms for evolving evolvability," in *Evolvability*, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, eds., pp. 38–41. Orlando, Florida, USA, 13 july, 1999.
- [12] C. Ofria, "Robustness and evolvability of programming languages," in *Evolvability*, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, eds., p. 42. Orlando, Florida, USA, 13 july, 1999.
- [13] 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., pp. 43–46. Orlando, Florida, USA, 13 july, 1999.
- [14] G. P. Wagner, "The quantitative genetic theory of evolvability," in Evolvability, P. Marrow, M. Shackleton, J.-L. Fernandez-Villacanas, and T. Ray, eds., pp. 47–50. Orlando, Florida, USA, 13 july, 1999.
- [15] 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., p. 52. Orlando, Florida, USA, 13 july, 1999.

- [16] 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., pp. 53–54. Orlando, Florida, USA, 13 july, 1999.
- [17] 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., pp. 55–56. Orlando, Florida, USA, 13 july, 1999.
- [18] 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., pp. 57–60. Orlando, Florida, USA, 13 july, 1999.
- [19] 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., pp. 61–63. Orlando, Florida, USA, 13 july, 1999.
- [20] 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., pp. 64–65. Orlando, Florida, USA, 13 july, 1999.
- [21] 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., pp. 66–67. Orlando, Florida, USA, 13 july, 1999.
- [22] 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., pp. 68–70. Orlando, Florida, USA, 13 july, 1999.
- [23] 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., p. 72. Orlando, Florida, USA, 13 july, 1999.
- [24] 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., pp. 73–75. Orlando, Florida, USA, 13 july, 1999.
- [25] C. Jacob, "Lindenmayer systems and growth program evolution," in *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, T. S. Hussain, ed., pp. 76–79. Orlando, Florida, USA, 13 july, 1999.
- [26] C. Z. Janikow, "Constrained genetic programming," in Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation, T. S. Hussain, ed., pp. 80–82. Orlando, Florida, USA, 13 july, 1999.
- [27] 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., pp. 83–86. Orlando, Florida, USA, 13 july, 1999.
- [28] 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., pp. 88–92. Orlando, Florida, USA, 13 july, 1999.
- [29] T. D. Collins, "Evolutionary computation visualization," in *Evolutionary Computation Visualization*, T. D. Collins, ed., pp. 94–95. Orlando, Florida, USA, 13 july, 1999.
- [30] M. A. Bedau, S. Joshi, and B. Lillie, "Visualizing waves of evolutionary activity of alleles," in Evolutionary Computation Visualization, T. D. Collins, ed., pp. 96–98. Orlando, Florida, USA, 13 july, 1999.

- [31] J. J. Collins, "Visualization of evolutionary algorithms using principal components analysis," in *Evolutionary Computation Visualization*, T. D. Collins, ed., pp. 99–100. Orlando, Florida, USA, 13 july, 1999.
- [32] H. Pohlheim, "Visualization of evolutionary algorithms: Real-world application of standard techniques and multidimensional visualization," in *Evolutionary Computation Visualization*, T. D. Collins, ed., pp. 101–103. Orlando, Florida, USA, 13 july, 1999.
- [33] W. M. Spears, "An overview of multidimensional visualization techniques," in *Evolutionary Computation Visualization*, T. D. Collins, ed., pp. 104–105. Orlando, Florida, USA, 13 july, 1999.
- [34] 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., pp. 106–109. Orlando, Florida, USA, 13 july, 1999.
- [35] K. Deb, "Organizer's comments," in Multi-criterion Optimization Using Evolutionary Methods, K. Deb, ed., pp. 111–112. Orlando, Florida, USA, 13 july, 1999.
- [36] D. A. V. Veldhuizen and G. B. Lamont, "Moea test suite generation, design, and use," in Multi-criterion Optimization Using Evolutionary Methods, K. Deb, ed., pp. 113–114. Orlando, Florida, USA, 13 july, 1999.
- [37] 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., pp. 115–116. Orlando, Florida, USA, 13 july, 1999.
- [38] C. A. C. Coello, "Constraint handling through a multiobjective optimization technique," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, ed., pp. 117–118. Orlando, Florida, USA, 13 july, 1999.
- [39] 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., pp. 119–120. Orlando, Florida, USA, 13 july, 1999.
- [40] 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., pp. 121–122. Orlando, Florida, USA, 13 july, 1999.
- [41] J. Knowles and D. Corne, "Assessing the performance of the pareto archived evolution strategy," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, ed., pp. 123–124. Orlando, Florida, USA, 13 july, 1999.
- [42] 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., pp. 125–126. Orlando, Florida, USA, 13 july, 1999.
- [43] T. T. Binh, "A multiobjective evolutionary algorithm: The study cases," in *Multi-criterion Optimization Using Evolutionary Methods*, K. Deb, ed., pp. 127–128. Orlando, Florida, USA, 13 july, 1999.
- [44] 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., pp. 129–130. Orlando, Florida, USA, 13 july, 1999.
- [45] 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., pp. 131–132. Orlando, Florida, USA, 13 july, 1999.
- [46] J. Branke, "Evolutionary approaches to dynamic optimization problems a survey," in Evolutionary Algorithms for Dynamic Optimization Problems, J. Branke and T. Baeck, eds., pp. 134–137. Orlando, Florida, USA, 13 july, 1999.

- [47] 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., pp. 138–141. Orlando, Florida, USA, 13 july, 1999.
- [48] 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., pp. 142–145. Orlando, Florida, USA, 13 july, 1999.
- [49] C. L. Karr, "An architecture for adaptive process control systems," in *Evolutionary Algorithms for Dynamic Optimization Problems*, J. Branke and T. Baeck, eds., pp. 146–148. Orlando, Florida, USA, 13 july, 1999.
- [50] 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., pp. 149–152. Orlando, Florida, USA, 13 july, 1999.
- [51] 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., pp. 154–156. Orlando, Florida, USA, 13 july, 1999.
- [52] R. Bradwell and K. Brown, "Parallel asynchronous memetic algorithms," in *Evolutionary Computation and Parallel Processing*, E. Cantu-Paz and B. Punch, eds., pp. 157–159. Orlando, Florida, USA, 13 july, 1999.
- [53] 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., pp. 160–162. Orlando, Florida, USA, 13 july, 1999.
- [54] F. S. Chong, "Java based distributed genetic programming on the internet," in *Evolutionary Computation and Parallel Processing*, E. Cantu-Paz and B. Punch, eds., pp. 163–166. Orlando, Florida, USA, 13 july, 1999.
- [55] 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., pp. 167–170. Orlando, Florida, USA, 13 july, 1999.
- [56] 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., pp. 171–173. Orlando, Florida, USA, 13 july, 1999.
- [57] 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., pp. 174–176. Orlando, Florida, USA, 13 july, 1999.
- [58] 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., p. 178. Orlando, Florida, USA, 13 july, 1999.
- [59] 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., pp. 179–183. Orlando, Florida, USA, 13 july, 1999.
- [60] 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., pp. 184–185. Orlando, Florida, USA, 13 july, 1999.
- [61] 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., pp. 186–190. Orlando, Florida, USA, 13 july, 1999.

- [62] 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., pp. 191–195. Orlando, Florida, USA, 13 july, 1999.
- [63] 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., pp. 196–200. Orlando, Florida, USA, 13 july, 1999.
- [64] 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., pp. 201–206. Orlando, Florida, USA, 13 july, 1999.
- [65] 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., p. 208. Orlando, Florida, USA, 13 july, 1999.
- [66] M. C. Sinclair, "Evolutionary telecommunications: A summary," in *Evolutionary Telecommunications: Past, Present, and Future*, M. C. Sinclair, D. Corne, and G. D. Smith, eds., pp. 209–212. Orlando, Florida, USA, 13 july, 1999.
- [67] 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., pp. 213–214. Orlando, Florida, USA, 13 july, 1999.
- [68] 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., pp. 215–216. Orlando, Florida, USA, 13 july, 1999.
- [69] 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., pp. 217–218. Orlando, Florida, USA, 13 july, 1999.
- [70] 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., pp. 219–220. Orlando, Florida, USA, 13 july, 1999.
- [71] D. H. Wood, "Getting our bearings in dna computing: A panel discussion," in Getting Our Bearings in DNA Computing, D. H. Wood, ed., pp. 222–224. Orlando, Florida, USA, 13 july, 1999.
- [72] 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., p. 226. Orlando, Florida, USA, 13 july, 1999.
- [73] 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., pp. 228–235. Orlando, Florida, USA, 13 july, 1999.
- [74] 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., pp. 236–241. Orlando, Florida, USA, 13 july, 1999.
- [75] 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., pp. 242–249. Orlando, Florida, USA, 13 july, 1999.
- [76] 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., pp. 250–257. Orlando, Florida, USA, 13 july, 1999.

- [77] 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., pp. 258–265. Orlando, Florida, USA, 13 july, 1999.
- [78] 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., pp. 266–271. Orlando, Florida, USA, 13 july, 1999.
- [79] 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., pp. 272–281. Orlando, Florida, USA, 13 july, 1999.
- [80] 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., pp. 282–289. Orlando, Florida, USA, 13 july, 1999.
- [81] 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., pp. 290–297. Orlando, Florida, USA, 13 july, 1999.
- [82] 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., pp. 298–305. Orlando, Florida, USA, 13 july, 1999.
- [83] 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., pp. 306–313. Orlando, Florida, USA, 13 july, 1999.
- [84] 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., pp. 314–321. Orlando, Florida, USA, 13 july, 1999.
- [85] 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., pp. 322–334. Orlando, Florida, USA, 13 july, 1999.
- [86] E. Antipov, "A max 1s problem in dna computing via gas," in Graduate Student Workshop, U.-M. O'Reilly, ed., p. 338. Orlando, Florida, USA, 13 july, 1999.
- [87] A. Anwar, "Sparse distributed memory with evolutionary mechanisms," in Graduate Student Workshop, U.-M. O'Reilly, ed., pp. 339–340. Orlando, Florida, USA, 13 july, 1999.
- [88] S. Card, "Genetic programming of wavelet networks for time series prediction," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 341–342. Orlando, Florida, USA, 13 july, 1999.
- [89] J. J. R. Cardalda, "Musical adaptive systems," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 343–344. Orlando, Florida, USA, 13 july, 1999.
- [90] J. C. Costa, "Artificial life modeling of downy mildew of the grapevine," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 346–347. Orlando, Florida, USA, 13 july, 1999.
- [91] 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., p. 348. Orlando, Florida, USA, 13 july, 1999.
- [92] C. Eldershaw and S. Cameron, "Motion planning using gas," in Graduate Student Workshop, U.-M. O'Reilly, ed., p. 349. Orlando, Florida, USA, 13 july, 1999.
- [93] S. Etaner-Uyar, "New operators and dominance scheme for a diploid ga," in Graduate Student Workshop, U.-M. O'Reilly, ed., pp. 350–351. Orlando, Florida, USA, 13 july, 1999.

- [94] S. A. Feyzbakhsh, "The new methodology of adam-eve-like genetic algorithm for cost optimization," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 352. Orlando, Florida, USA, 13 july, 1999.
- [95] 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., pp. 353–354. Orlando, Florida, USA, 13 july, 1999.
- [96] M. Giacobini, "A randomness test for binary sequences based on evolutionary algorithms," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 355–356. Orlando, Florida, USA, 13 july, 1999.
- [97] 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., pp. 357–358. Orlando, Florida, USA, 13 july, 1999.
- [98] T. Kalganova, "A new evolutionary hardware approach for logic design," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 360–361. Orlando, Florida, USA, 13 july, 1999.
- [99] U. Kanade, "A study of arithmetic genetic encoding for highly randomized fitness landscapes," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 362–363. Orlando, Florida, USA, 13 july, 1999.
- [100] 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., p. 364. Orlando, Florida, USA, 13 july, 1999.
- [101] M. Keijzer, "Scientific discovery using genetic programming," in Graduate Student Workshop, U.-M. O'Reilly, ed., pp. 365–366. Orlando, Florida, USA, 13 july, 1999.
- [102] A. Khalak, "Evolutionary model of open source software: economic impact," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 367–368. Orlando, Florida, USA, 13 july, 1999.
- [103] J. Kim, "An artificial immune system for network intrusion detection," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 369–370. Orlando, Florida, USA, 13 july, 1999.
- [104] N. Krasnogor, "Coevolution of genes and memes in memetic algorithms," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 371. Orlando, Florida, USA, 13 july, 1999.
- [105] S. Kumar, "Lessons from nature: The benefits of embryology," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 372–373. Orlando, Florida, USA, 13 july, 1999.
- [106] J. Li, "Fgp: A genetic programming tool for financial prediction," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 374. Orlando, Florida, USA, 13 july, 1999.
- [107] D. Livingstone, "On modelling the evolution of language and languages," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 375–376. Orlando, Florida, USA, 13 july, 1999.
- [108] E. Lukschandl, "Evolving the behavior of collaborating entities using genetic programming," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 377–378. Orlando, Florida, USA, 13 july, 1999.
- [109] A. Marino, "Sexual vs. asexual recombination for the graph coloring problem with hybrid genetic algorithms," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 379–380. Orlando, Florida, USA, 13 july, 1999.
- [110] R. Mehrotra, "Gust loads and gust methods for predicting aircraft loads and dynamic response," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 381–382. Orlando, Florida, USA, 13 july, 1999.
- [111] 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., pp. 383–385. Orlando, Florida, USA, 13 july, 1999.

- [112] E. Noda, "Discovering interesting prediction rules with a genetic algorithm," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 386–387. Orlando, Florida, USA, 13 july, 1999.
- [113] G. Ochoa, "The multiple roles of recombination in gas," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 388. Orlando, Florida, USA, 13 july, 1999.
- [114] L. Olsson, "Strategy evolution for electronic markets using genetic programming," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 389. Orlando, Florida, USA, 13 july, 1999.
- [115] M. O'Neill, "Automatic programming with grammatical evolution," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 390–391. Orlando, Florida, USA, 13 july, 1999.
- [116] A. Parandekar, "Genetic algorithm-based optimizer: A java based teaching tool," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 392–393. Orlando, Florida, USA, 13 july, 1999.
- [117] V. Podgorelec, "Medical diagnosis prediction using genetic programming," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 394–395. Orlando, Florida, USA, 13 july, 1999.
- [118] R. Porter, "Ga-accelerators using fpgas," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 396–397. Orlando, Florida, USA, 13 july, 1999.
- [119] 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., pp. 398–399. Orlando, Florida, USA, 13 july, 1999.
- [120] T. Quick, "Embodiment as situated structural coupling," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 400. Orlando, Florida, USA, 13 july, 1999.
- [121] B. Rekiek, "Multiple-objectives genetic algorithm," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 401. Orlando, Florida, USA, 13 july, 1999.
- [122] R. Santana, "On estimation distribution algorithms," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 402. Orlando, Florida, USA, 13 july, 1999.
- [123] L. Sheehan, "Self-tuning evolutionary system," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 403. Orlando, Florida, USA, 13 july, 1999.
- [124] J. bin Suen and J. shiang Kouh, "Genetic algorithms for optimal series propeller design," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 404–405. Orlando, Florida, USA, 13 july, 1999.
- [125] A. Suppapitnarm, "Simulated annealing: An alternative approach to true multiobjective optimization," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 406–407. Orlando, Florida, USA, 13 july, 1999.
- [126] F. Taghiyareh, "Toward designing a new parallel fine-grain genetic algorithm," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 408. Orlando, Florida, USA, 13 july, 1999.
- [127] C. Teuscher, "Romero's pilgrimage to santa fe: A tale of robot evolution," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 409–410. Orlando, Florida, USA, 13 july, 1999.
- [128] C. V. Hoyweghen, "Symmetry in the representation of an optimization problem," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 411. Orlando, Florida, USA, 13 july, 1999.
- [129] O. Vele-Langs, "A genetic metaheuristic for traveling salespersons problem," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 412–413. Orlando, Florida, USA, 13 july, 1999.
- [130] M. Voss, "Evolutionary algorithm for structural optimization," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 414–415. Orlando, Florida, USA, 13 july, 1999.
- [131] R. Watson, "Evolution and problem decomposition," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 416–417. Orlando, Florida, USA, 13 july, 1999.

- [132] S. Zemke, "Amalgamation of genetic selection and boosting," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., pp. 418–419. Orlando, Florida, USA, 13 july, 1999.
- [133] J. Zhang, "Niching in an es context," in *Graduate Student Workshop*, U.-M. O'Reilly, ed., p. 420. Orlando, Florida, USA, 13 july, 1999.