## Список литературы


[1] WU, A. S., editor, Orlando, Florida, USA, 1999.

[2] KUBOTA, N. and FUKUDA, T., Hierarchical coding in coevolutionary algorithms, in JOHNSON, C. G., OLSSON, B., and ROMANIUK, S., editors, *Coevolutionary Algorithms and Coevolving Agents*, pp. 2–4, Orlando, Florida, USA, 1999.

[3] ROMANIUK, S. G., From agent collaboration and communication to speciation and simplified software design, in JOHNSON, C. G., OLSSON, B., and ROMANIUK, S., editors, *Coevolutionary Algorithms and Coevolving Agents*, pp. 5–7, Orlando, Florida, USA, 1999.

[4] SEN, S., BISWAS, A., DEBNATH, S., and PUPPALA, N., Cooperative coevolution using shared memory, in JOHNSON, C. G., OLSSON, B., and ROMANIUK, S., editors, *Coevolutionary Algorithms and Coevolving Agents*, pp. 8–11, Orlando, Florida, USA, 1999.

[5] SEN, S., MUNDHE, M., and DEBNATH, S., Evolving agent societies that avoid social dilemmas, in JOHNSON, C. G., OLSSON, B., and ROMANIUK, S., editors, *Coevolutionary Algorithms and Coevolving Agents*, pp. 12–14, Orlando, Florida, USA, 1999.

[6] MALEY, C. C., Methodologies in the use of computational models for theoretical biology, in MALEY, C. C., editor, *Computational Models in Theoretical Biology*, pp. 16–19, Orlando, Florida, USA, 1999.

[7] BEDAU, M. A., Can unrealistic computer models illuminate theoretical biology?, in MALEY, C. C., editor, *Computational Models in Theoretical Biology*, pp. 20–23, Orlando, Florida, USA, 1999.

[8] WU, A. S., RAMSEY, C. L., BURKE, D. S., De Jong, K. A., and GREFENSTETTE, J. J., An evolutionary computation model for studying viral evolution, in MALEY, C. C., editor, *Computational Models in Theoretical Biology*, pp. 24–28, Orlando, Florida, USA, 1999.

[9] MARROW, P., Evolvability: Evolvability, computation, biology, in MARROW, P., SHACKLETON, M., FERNANDEZ-VILLACANAS, J.-L., and RAY, T., editors, *Evolvability*, pp. 30–33, Orlando, Florida, USA, 1999.

[10] BEDAU, M. A., Quantifying the extent and intensity of adaptive evolution, in MARROW, P., SHACKLETON, M., FERNANDEZ-VILLACANAS, J.-L., and RAY, T., editors, *Evolvability*, pp. 34–37, Orlando, Florida, USA, 1999.

[11] GLICKMAN, M. and SYCARA, K., Comparing mechanisms for evolving evolvability, in MARROW, P., SHACKLETON, M., FERNANDEZ-VILLACANAS, J.-L., and RAY, T., editors, *Evolvability*, pp. 38–41, Orlando, Florida, USA, 1999.

[12] OFRIA, C., Robustness and evolvability of programming languages, in MARROW, P., SHACKLETON, M., FERNANDEZ-VILLACANAS, J.-L., and RAY, T., editors, *Evolvability*, p. 42, Orlando, Florida, USA, 1999.

[13] TURNEY, P. D., Increasing evolvability considered as a large scale trend in evolution, in MARROW, P., SHACKLETON, M., FERNANDEZ-VILLACANAS, J.-L., and RAY, T., editors, *Evolvability*, pp. 43–46, Orlando, Florida, USA, 1999.

[14] WAGNER, G. P., The quantitative genetic theory of evolvability, in MARROW, P., SHACKLETON, M., FERNANDEZ-VILLACANAS, J.-L., and RAY, T., editors, *Evolvability*, pp. 47–50, Orlando, Florida, USA, 1999.

[15] HAYNES, T., LANGDON, W. B., O'REILLY, U.-M., POLI, R., and ROSCA, J., Foundations of genetic programming: Preface, in HAYNES, T., LANGDON, W. B., O'REILLY, U.-M., POLI, R., and ROSCA, J., editors, *Foundations of Genetic Programming*, p. 52, Orlando, Florida, USA, 1999.

[16] DAIDA, J. M., Reconnoiter by candle: Identifying assumptions in genetic programming, in HAYNES, T., LANGDON, W. B., O'REILLY, U.-M., POLI, R., and ROSCA, J., editors, *Foundations of Genetic Programming*, pp. 53–54, Orlando, Florida, USA, 1999.

[17] LANGDON, W. B., Linear increase in tree height leads to sub-quadratic bloat, in HAYNES, T., LANGDON, W. B., O'REILLY, U.-M., POLI, R., and ROSCA, J., editors, *Foundations of Genetic Programming*, pp. 55–56, Orlando, Florida, USA, 1999.

[18] NORDIN, P., BANZHAF, W., and FRANCONE, F. D., Compression of effective size in genetic programming, in HAYNES, T., LANGDON, W. B., O'REILLY, U.-M., POLI, R., and ROSCA, J., editors, *Foundations of Genetic Programming*, pp. 57–60, Orlando, Florida, USA, 1999.

[19] POLI, R., Schema theory without expectations for gp and gas with one-point crossover in the presence of schema creation, in HAYNES, T., LANGDON, W. B., O'REILLY, U.-M., POLI, R., and ROSCA, J., editors, *Foundations of Genetic Programming*, pp. 61–63, Orlando, Florida, USA, 1999.

[20] ROSCA, J., Genetic programming acquires solutions by combining top-down and bottom-up refinement, in HAYNES, T., LANGDON, W. B., O'REILLY, U.-M., POLI, R., and ROSCA, J., editors, *Foundations of Genetic Programming*, pp. 64–65, Orlando, Florida, USA, 1999.

[21] YAO, X., Universal approximation by genetic programming, in HAYNES, T., LANGDON, W. B., O'REILLY, U.-M., POLI, R., and ROSCA, J., editors, *Foundations of Genetic Programming*, pp. 66–67, Orlando, Florida, USA, 1999.

[22] ZHANG, B.-T., Bayesian genetic programming, in HAYNES, T., LANGDON, W. B., O'REILLY, U.-M., POLI, R., and ROSCA, J., editors, *Foundations of Genetic Programming*, pp. 68–70, Orlando, Florida, USA, 1999.

[23] HUSSAIN, T. S., Workshop on advanced grammar techniques within genetic programming and evolutionary computation, in HUSSAIN, T. S., editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, p. 72, Orlando, Florida, USA, 1999.

[24] ROSE, B. J., Logic-based genetic programming with definite clause translation grammars, in HUSSAIN, T. S., editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pp. 73–75, Orlando, Florida, USA, 1999.

[25] JACOB, C., Lindenmayer systems and growth program evolution, in HUSSAIN, T. S., editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pp. 76–79, Orlando, Florida, USA, 1999.

[26] JANIKOW, C. Z., Constrained genetic programming, in HUSSAIN, T. S., editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pp. 80–82, Orlando, Florida, USA, 1999.

[27] HUSSAIN, T. S. and BROWSE, R. A., Genetic operators with dynamic biases that operate on attribute grammar representations of neural networks, in HUSSAIN, T. S., editor, *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, pp. 83–86, Orlando, Florida, USA, 1999.

[28] DAIDA, J. M., The methodology, pedagogy, and philosophy of genetic and evolutionary computation: Reporting and research practices, in DAIDA, J. M., editor, *The Methodology, Pedagogy, and Philosophy of Genetic and Evolutionary Computation*, pp. 88–92, Orlando, Florida, USA, 1999.

[29] COLLINS, T. D., Evolutionary computation visualization, in COLLINS, T. D., editor, *Evolutionary Computation Visualization*, pp. 94–95, Orlando, Florida, USA, 1999.

[30] BEDAU, M. A., JOSHI, S., and LILLIE, B., Visualizing waves of evolutionary activity of alleles, in COLLINS, T. D., editor, *Evolutionary Computation Visualization*, pp. 96–98, Orlando, Florida, USA, 1999.

[31] COLLINS, J. J., Visualization of evolutionary algorithms using principal components analysis, in COLLINS, T. D., editor, *Evolutionary Computation Visualization*, pp. 99–100, Orlando, Florida, USA, 1999.

[32] POHLHEIM, H., Visualization of evolutionary algorithms: Real-world application of standard techniques and multidimensional visualization, in COLLINS, T. D., editor, *Evolutionary Computation Visualization*, pp. 101–103, Orlando, Florida, USA, 1999.

[33] SPEARS, W. M., An overview of multidimensional visualization techniques, in COLLINS, T. D., editor, *Evolutionary Computation Visualization*, pp. 104–105, Orlando, Florida, USA, 1999.

[34] WU, A. S., RAMSEY, C. L., De Jong, K. A., GREFENSTETTE, J. J., and BURKE, D. S., Vis: A genetic algorithm visualization tool, in COLLINS, T. D., editor, *Evolutionary Computation Visualization*, pp. 106–109, Orlando, Florida, USA, 1999.

[35] DEB, K., Organizer's comments, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 111–112, Orlando, Florida, USA, 1999.

[36] VELDHUIZEN, D. A. V. and LAMONT, G. B., Moea test suite generation, design, and use, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 113–114, Orlando, Florida, USA, 1999.

[37] JIMENEZ, F., VERDEGAY, J. L., and GOMEZ-SKARMETA, A. F., Evolutionary techniques for constrained multiobjective optimization problems, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 115–116, Orlando, Florida, USA, 1999.

[38] COELLO, C. A. C., Constraint handling through a multiobjective optimization technique, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 117–118, Orlando, Florida, USA, 1999.

[39] SHAW, K. J., FONSECA, C. M., and FLEMING, P. J., A simple demonstration of a quantitative technique for comparing multiobjective genetic algorithm performance, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 119–120, Orlando, Florida, USA, 1999.

[40] ZITZLER, E., DEB, K., and THIELE, L., Comparison of multiobjective evolutionary algorithms on test functions of different difficulty, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 121–122, Orlando, Florida, USA, 1999.

[41] KNOWLES, J. and CORNE, D., Assessing the performance of the pareto archived evolution strategy, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 123–124, Orlando, Florida, USA, 1999.

[42] VELDHUIZEN, D. A. V. and LAMONT, G. B., Genetic algorithms, building blocks, and multiobjective optimization, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 125–126, Orlando, Florida, USA, 1999.

[43] BINH, T. T., A multiobjective evolutionary algorithm: The study cases, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 127–128, Orlando, Florida, USA, 1999.

[44] CUNHA, A. G., OLIVEIRA, P., and COVAS, J. A., Genetic algorithms in multiobjective optimization problems: An application to polymer extrusion, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 129–130, Orlando, Florida, USA, 1999.

[45] HERREROS, A., BAEYENS, E., and PERAN, J. R., Design of multiobjective robust controllers using genetic algorithms, in DEB, K., editor, *Multi-criterion Optimization Using Evolutionary Methods*, pp. 131–132, Orlando, Florida, USA, 1999.

[46] BRANKE, J., Evolutionary approaches to dynamic optimization problems - a survey, in BRANKE, J. and BAECK, T., editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pp. 134–137, Orlando, Florida, USA, 1999.

[47] MATTFELD, D. C. and BIERWIRTH, C., Adaptation and dynamic optimization problems: A view from general system theory, in BRANKE, J. and BAECK, T., editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pp. 138–141, Orlando, Florida, USA, 1999.

[48] BAECK, T., Self-adaptive genetic algorithms for dynamic environments with slow dynamics, in BRANKE, J. and BAECK, T., editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pp. 142–145, Orlando, Florida, USA, 1999.

[49] KARR, C. L., An architecture for adaptive process control systems, in BRANKE, J. and BAECK, T., editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pp. 146–148, Orlando, Florida, USA, 1999.

[50] SANTANA, R., OCHOA, A., and SOTO, M. R., Evolutionary algorithms for dynamic optimization problems: An approach using evolutionary theory and the incident edge model, in BRANKE, J. and BAECK, T., editors, *Evolutionary Algorithms for Dynamic Optimization Problems*, pp. 149–152, Orlando, Florida, USA, 1999.

[51] ANBARASU, L. A., NARAYANASAMY, P., and SUNDARARAJAN, V., Multiple sequence alignment by parallely evolvable genetic algorithms, in CANTU-PAZ, E. and PUNCH, B., editors, *Evolutionary Computation and Parallel Processing*, pp. 154–156, Orlando, Florida, USA, 1999.

[52] BRADWELL, R. and BROWN, K., Parallel asynchronous memetic algorithms, in CANTU-PAZ, E. and PUNCH, B., editors, *Evolutionary Computation and Parallel Processing*, pp. 157–159, Orlando, Florida, USA, 1999.

[53] BRAUD, A. and VRAIN, C., A parallel genetic algorithm based on the bsp model, in CANTU-PAZ, E. and PUNCH, B., editors, *Evolutionary Computation and Parallel Processing*, pp. 160–162, Orlando, Florida, USA, 1999.

[54] CHONG, F. S., Java based distributed genetic programming on the internet, in CANTU-PAZ, E. and PUNCH, B., editors, *Evolutionary Computation and Parallel Processing*, pp. 163–166, Orlando, Florida, USA, 1999.

[55] DAVISON, B. D. and RASHEED, K., Effect of global parallelism on a steady state ga, in CANTU-PAZ, E. and PUNCH, B., editors, *Evolutionary Computation and Parallel Processing*, pp. 167–170, Orlando, Florida, USA, 1999.

[56] HE, L. and MORT, N., Application of parallel genetic algorithms to combinatorial multimodal optimization problems, in CANTU-PAZ, E. and PUNCH, B., editors, *Evolutionary Computation and Parallel Processing*, pp. 171–173, Orlando, Florida, USA, 1999.

[57] POHLHEIM, H., PAWLETTA, S., and WESTPHAL, A., Parallel evolutionary optimization under matlab on standard computing networks, in CANTU-PAZ, E. and PUNCH, B., editors, *Evolutionary Computation and Parallel Processing*, pp. 174–176, Orlando, Florida, USA, 1999.

[58] POLANI, D., UTHMANN, T., and DAUTENHAHN, K., Gecco birds-of-a-feather workshop on evolution of sensors in nature, hardware, and simulation, in POLANI, D., UTHMANN, T., and DAUTENHAHN, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, p. 178, Orlando, Florida, USA, 1999.

[59] LOVE, J. E. and JOHNSON, K. M., Evolving natural and artificial gravisensory systems, in POLANI, D., UTHMANN, T., and DAUTENHAHN, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pp. 179–183, Orlando, Florida, USA, 1999.

[60] MAUTNER, C., Exploring sensor usage in simulated evolutionary robotics, in POLANI, D., UTHMANN, T., and DAUTENHAHN, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pp. 184–185, Orlando, Florida, USA, 1999.

[61] ALISSANDRAKIS, A. and DAUTENHAHN, K., Evolution of vision-based agent behavior in hilly landscapes, in POLANI, D., UTHMANN, T., and DAUTENHAHN, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pp. 186–190, Orlando, Florida, USA, 1999.

[62] SINCLAIR, M. C. and CLARK, A. F., Evolving an artificial vision system: Initial considerations, in POLANI, D., UTHMANN, T., and DAUTENHAHN, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pp. 191–195, Orlando, Florida, USA, 1999.

[63] HUTT, B. and KEATING, D., The evolution of an eye in visually guided foraging agents, in POLANI, D., UTHMANN, T., and DAUTENHAHN, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pp. 196–200, Orlando, Florida, USA, 1999.

[64] LIESE, A., POLANI, D., and UTHMANN, T., Evolution of the spectral properties of a visual agent receptor, in POLANI, D., UTHMANN, T., and DAUTENHAHN, K., editors, *Evolution of Sensors in Nature, Hardware, and Simulation*, pp. 201–206, Orlando, Florida, USA, 1999.

[65] SINCLAIR, M. C., CORNE, D., and SMITH, G. D., Evolutionary telecommunications: Past, present, and future, in SINCLAIR, M. C., CORNE, D., and SMITH, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, p. 208, Orlando, Florida, USA, 1999.

[66] SINCLAIR, M. C., Evolutionary telecommunications: A summary, in SINCLAIR, M. C., CORNE, D., and SMITH, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, pp. 209–212, Orlando, Florida, USA, 1999.

[67] DAVIS, L., Telecommunications and the evolution of algorithms, in SINCLAIR, M. C., CORNE, D., and SMITH, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, pp. 213–214, Orlando, Florida, USA, 1999.

[68] MUNETOMO, M., Designing genetic algorithms for adaptive routing algorithms in the internet, in SINCLAIR, M. C., CORNE, D., and SMITH, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, pp. 215–216, Orlando, Florida, USA, 1999.

[69] SMITH, G. D., Genetic algorithms for mobile and satellite telecommunication systems, in SINCLAIR, M. C., CORNE, D., and SMITH, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, pp. 217–218, Orlando, Florida, USA, 1999.

[70] SMITH, R. E., Embodiment of evolutionary computation in network agents, in SINCLAIR, M. C., CORNE, D., and SMITH, G. D., editors, *Evolutionary Telecommunications: Past, Present, and Future*, pp. 219–220, Orlando, Florida, USA, 1999.

[71] WOOD, D. H., Getting our bearings in dna computing: A panel discussion, in WOOD, D. H., editor, *Getting Our Bearings in DNA Computing*, pp. 222–224, Orlando, Florida, USA, 1999.

[72] FREITAS, A. A., A summary of the papers presented at the joint aaai-99 and gecco-99 workshop on data mining with evolutionary algorithms: Research directions, in FREITAS, A. A., editor, *Joint GECCO-99 and AAAI-99 Workshop Data Mining with Evolutionary Algorithms: Research Directions*, p. 226, Orlando, Florida, USA, 1999.

[73] BONARINI, A., BONACINA, C., and MATTEUCCI, M., Fuzzy and crisp representations of real-valued input for learning classifier systems, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 228–235, Orlando, Florida, USA, 1999.

[74] BOOKER, L. B., Do we really need to estimate rule utilities in classifier systems?, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 236–241, Orlando, Florida, USA, 1999.

[75] BUTZ, M. and STOLZMANN, W., Action-planning in anticipatory classifier systems, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 242–249, Orlando, Florida, USA, 1999.

[76] HOLMES, J. H., Quantitative methods for evaluating learning classifier system performance in forced two-choice decision tasks, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 250–257, Orlando, Florida, USA, 1999.

[77] KOVACS, T., Strength or accuracy? a comparison of two approaches to fitness calculation in learning classifier systems, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 258–265, Orlando, Florida, USA, 1999.

[78] LATTAUD, C., Non-homogenous classifier systems in a macro-evolution process, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 266–271, Orlando, Florida, USA, 1999.

[79] SAXON, S. and BARRY, A., Xcs and the monk's problems, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 272–281, Orlando, Florida, USA, 1999.

[80] SMITH, R. E., DIKE, B. A., RAVICHANDRAN, B., EL-FALLAH, A., and MEHRA, R. K., The fighter aircraft lcs: A case of different lcs goals and techniques, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 282–289, Orlando, Florida, USA, 1999.

[81] STOLZMANN, W., Latent learning in khepera robots with anticipatory classifier systems, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 290–297, Orlando, Florida, USA, 1999.

[82] TOMLINSON, A. and BULL, L., A corporate xcs, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 298–305, Orlando, Florida, USA, 1999.

[83] TOMLINSON, A. and BULL, L., A zeroth level corporate classifier system, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 306–313, Orlando, Florida, USA, 1999.

[84] WESTERDALE, T. H., Wilson's error measurement and the markov property – identifying detrimental classifiers, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 314–321, Orlando, Florida, USA, 1999.

[85] WILSON, S. W., State of xcs classifier system research, in LANZI, P. L., STOLZMANN, W., and WILSON, S. W., editors, *2nd International Workshop on Learning Classifier Systems*, pp. 322–334, Orlando, Florida, USA, 1999.

[86] ANTIPOV, E., A max 1s problem in dna computing via gas, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 338, Orlando, Florida, USA, 1999.

[87] ANWAR, A., Sparse distributed memory with evolutionary mechanisms, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 339–340, Orlando, Florida, USA, 1999.

[88] CARD, S., Genetic programming of wavelet networks for time series prediction, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 341–342, Orlando, Florida, USA, 1999.

[89] CARDALDA, J. J. R., Musical adaptive systems, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 343–344, Orlando, Florida, USA, 1999.

[90] COSTA, J. C., Artificial life modeling of downy mildew of the grapevine, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 346–347, Orlando, Florida, USA, 1999.

[91] DOPICO, J. R. R., Search and generation of heuristic rules of experience for the simplification of ann training with genetic algorithm, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 348, Orlando, Florida, USA, 1999.

[92] ELDERSHAW, C. and CAMERON, S., Motion planning using gas, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 349, Orlando, Florida, USA, 1999.

[93] ETANER-UYAR, S., New operators and dominance scheme for a diploid ga, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 350–351, Orlando, Florida, USA, 1999.

[94] FEYZBAKHSH, S. A., The new methodology of adam-eve-like genetic algorithm for cost optimization, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 352, Orlando, Florida, USA, 1999.

[95] GALLEGO-SCHMID, M., Modified antnet: software application in the evaluation and management of a telecommunication network, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 353–354, Orlando, Florida, USA, 1999.

[96] GIACOBINI, M., A randomness test for binary sequences based on evolutionary algorithms, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 355–356, Orlando, Florida, USA, 1999.

[97] HIDALGO, J. I., Graph partitioning methods for multi-fpga systems and reconfigurable hardware using genetic algorithms, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 357–358, Orlando, Florida, USA, 1999.

[98] KALGANOVA, T., A new evolutionary hardware approach for logic design, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 360–361, Orlando, Florida, USA, 1999.

[99] KANADE, U., A study of arithmetic genetic encoding for highly randomized fitness landscapes, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 362–363, Orlando, Florida, USA, 1999.

[100] KARLE, V., Algorithm for the paratransit vehicle routing problem using a modified crossover operator based on adjacency relations, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 364, Orlando, Florida, USA, 1999.

[101] KEIJZER, M., Scientific discovery using genetic programming, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 365–366, Orlando, Florida, USA, 1999.

[102] KHALAK, A., Evolutionary model of open source software: economic impact, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 367–368, Orlando, Florida, USA, 1999.

[103] KIM, J., An artificial immune system for network intrusion detection, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 369–370, Orlando, Florida, USA, 1999.

[104] KRASNOGOR, N., Coevolution of genes and memes in memetic algorithms, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 371, Orlando, Florida, USA, 1999.

[105] KUMAR, S., Lessons from nature: The benefits of embryology, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 372–373, Orlando, Florida, USA, 1999.

[106] LI, J., Fgp: A genetic programming tool for financial prediction, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 374, Orlando, Florida, USA, 1999.

[107] LIVINGSTONE, D., On modelling the evolution of language and languages, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 375–376, Orlando, Florida, USA, 1999.

[108] LUKSCHANDL, E., Evolving the behavior of collaborating entities using genetic programming, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 377–378, Orlando, Florida, USA, 1999.

[109] MARINO, A., Sexual vs. asexual recombination for the graph coloring problem with hybrid genetic algorithms, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 379–380, Orlando, Florida, USA, 1999.

[110] MEHROTRA, R., Gust loads and gust methods for predicting aircraft loads and dynamic response, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 381–382, Orlando, Florida, USA, 1999.

[111] MONETT, D., Genetic algorithm techniques and intelligent agents design for the mathematical modeling of chemical processes in medicine, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 383–385, Orlando, Florida, USA, 1999.

[112] NODA, E., Discovering interesting prediction rules with a genetic algorithm, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 386–387, Orlando, Florida, USA, 1999.

[113] OCHOA, G., The multiple roles of recombination in gas, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 388, Orlando, Florida, USA, 1999.

[114] OLSSON, L., Strategy evolution for electronic markets using genetic programming, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 389, Orlando, Florida, USA, 1999.

[115] O'NEILL, M., Automatic programming with grammatical evolution, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 390–391, Orlando, Florida, USA, 1999.

[116] PARANDEKAR, A., Genetic algorithm-based optimizer: A java based teaching tool, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 392–393, Orlando, Florida, USA, 1999.

[117] PODGORELEC, V., Medical diagnosis prediction using genetic programming, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 394–395, Orlando, Florida, USA, 1999.

[118] PORTER, R., Ga-accelerators using fpgas, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 396–397, Orlando, Florida, USA, 1999.

[119] PRATIHAR, D. K., Optimal path and gait generations simultaneously of a six-legged robot using a ga-fuzzy approach, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 398–399, Orlando, Florida, USA, 1999.

[120] QUICK, T., Embodiment as situated structural coupling, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 400, Orlando, Florida, USA, 1999.

[121] REKIEK, B., Multiple-objectives genetic algorithm, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 401, Orlando, Florida, USA, 1999.

[122] SANTANA, R., On estimation distribution algorithms, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 402, Orlando, Florida, USA, 1999.

[123] SHEEHAN, L., Self-tuning evolutionary system, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 403, Orlando, Florida, USA, 1999.

[124] BIN SUEN, J. and SHIANG KOUH, J., Genetic algorithms for optimal series propeller design, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 404–405, Orlando, Florida, USA, 1999.

[125] SUPPAPITNARM, A., Simulated annealing: An alternative approach to true multiobjective optimization, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 406–407, Orlando, Florida, USA, 1999.

[126] TAGHIYAREH, F., Toward designing a new parallel fine-grain genetic algorithm, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 408, Orlando, Florida, USA, 1999.

[127] TEUSCHER, C., Romero's pilgrimage to santa fe: A tale of robot evolution, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 409–410, Orlando, Florida, USA, 1999.

[128] HOYWEGHEN, C. V., Symmetry in the representation of an optimization problem, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 411, Orlando, Florida, USA, 1999.

[129] VELE-LANGS, O., A genetic metaheuristic for traveling salespersons problem, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 412–413, Orlando, Florida, USA, 1999.

[130] VOSS, M., Evolutionary algorithm for structural optimization, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 414–415, Orlando, Florida, USA, 1999.

[131] WATSON, R., Evolution and problem decomposition, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 416–417, Orlando, Florida, USA, 1999.

[132] ZEMKE, S., Amalgamation of genetic selection and boosting, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, pp. 418–419, Orlando, Florida, USA, 1999.

[133] ZHANG, J., Niching in an es context, in O'REILLY, U.-M., editor, *Graduate Student Workshop*, p. 420, Orlando, Florida, USA, 1999.