

## Список литературы

- [1] Wu, A. S., (ed.) Orlando, Florida, USA (13 July, 1999).
- [2] Kubota, N. and Fukuda, T. (13 July, 1999) Hierarchical coding in coevolutionary algorithms. In Johnson, C. G., Olsson, B., and Romaniuk, S., (eds.), *Coevolutionary Algorithms and Coevolving Agents*, Orlando, Florida, USA: pp. 2–4.
- [3] Romaniuk, S. G. (13 July, 1999) From agent collaboration and communication to speciation and simplified software design. In Johnson, C. G., Olsson, B., and Romaniuk, S., (eds.), *Coevolutionary Algorithms and Coevolving Agents*, Orlando, Florida, USA: pp. 5–7.
- [4] Sen, S., Biswas, A., Debnath, S., and Puppala, N. (13 July, 1999) Cooperative coevolution using shared memory. In Johnson, C. G., Olsson, B., and Romaniuk, S., (eds.), *Coevolutionary Algorithms and Coevolving Agents*, Orlando, Florida, USA: pp. 8–11.
- [5] Sen, S., Mundhe, M., and Debnath, S. (13 July, 1999) Evolving agent societies that avoid social dilemmas. In Johnson, C. G., Olsson, B., and Romaniuk, S., (eds.), *Coevolutionary Algorithms and Coevolving Agents*, Orlando, Florida, USA: pp. 12–14.
- [6] Maley, C. C. (13 July, 1999) Methodologies in the use of computational models for theoretical biology. In Maley, C. C., (ed.), *Computational Models in Theoretical Biology*, Orlando, Florida, USA: pp. 16–19.
- [7] Bedau, M. A. (13 July, 1999) Can unrealistic computer models illuminate theoretical biology?. In Maley, C. C., (ed.), *Computational Models in Theoretical Biology*, Orlando, Florida, USA: pp. 20–23.
- [8] Wu, A. S., Ramsey, C. L., Burke, D. S., De Jong, K. A., and Grefenstette, J. J. (13 July, 1999) An evolutionary computation model for studying viral evolution. In Maley, C. C., (ed.), *Computational Models in Theoretical Biology*, Orlando, Florida, USA: pp. 24–28.
- [9] Marrow, P. (13 July, 1999) Evolvability: Evolvability, computation, biology. In Marrow, P., Shackleton, M., Fernandez-Villacanas, J.-L., and Ray, T., (eds.), *Evolvability*, Orlando, Florida, USA: pp. 30–33.
- [10] Bedau, M. A. (13 July, 1999) Quantifying the extent and intensity of adaptive evolution. In Marrow, P., Shackleton, M., Fernandez-Villacanas, J.-L., and Ray, T., (eds.), *Evolvability*, Orlando, Florida, USA: pp. 34–37.
- [11] Glickman, M. and Sycara, K. (13 July, 1999) Comparing mechanisms for evolving evolvability. In Marrow, P., Shackleton, M., Fernandez-Villacanas, J.-L., and Ray, T., (eds.), *Evolvability*, Orlando, Florida, USA: pp. 38–41.
- [12] Ofria, C. (13 July, 1999) Robustness and evolvability of programming languages. In Marrow, P., Shackleton, M., Fernandez-Villacanas, J.-L., and Ray, T., (eds.), *Evolvability*, Orlando, Florida, USA: p. 42.
- [13] Turney, P. D. (13 July, 1999) Increasing evolvability considered as a large scale trend in evolution. In Marrow, P., Shackleton, M., Fernandez-Villacanas, J.-L., and Ray, T., (eds.), *Evolvability*, Orlando, Florida, USA: pp. 43–46.
- [14] Wagner, G. P. (13 July, 1999) The quantitative genetic theory of evolvability. In Marrow, P., Shackleton, M., Fernandez-Villacanas, J.-L., and Ray, T., (eds.), *Evolvability*, Orlando, Florida, USA: pp. 47–50.
- [15] Haynes, T., Langdon, W. B., O'Reilly, U.-M., Poli, R., and Rosca, J. (13 July, 1999) Foundations of genetic programming: Preface. In Haynes, T., Langdon, W. B., O'Reilly, U.-M., Poli, R., and Rosca, J., (eds.), *Foundations of Genetic Programming*, Orlando, Florida, USA: p. 52.
- [16] Daida, J. M. (13 July, 1999) Reconnoiter by candle: Identifying assumptions in genetic programming. In Haynes, T., Langdon, W. B., O'Reilly, U.-M., Poli, R., and Rosca, J., (eds.), *Foundations of Genetic Programming*, Orlando, Florida, USA: pp. 53–54.

- [17] Langdon, W. B. (13 July, 1999) 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., (eds.), *Foundations of Genetic Programming*, Orlando, Florida, USA: pp. 55–56.
- [18] Nordin, P., Banzhaf, W., and Francone, F. D. (13 July, 1999) Compression of effective size in genetic programming. In Haynes, T., Langdon, W. B., O'Reilly, U.-M., Poli, R., and Rosca, J., (eds.), *Foundations of Genetic Programming*, Orlando, Florida, USA: pp. 57–60.
- [19] Poli, R. (13 July, 1999) 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., (eds.), *Foundations of Genetic Programming*, Orlando, Florida, USA: pp. 61–63.
- [20] Rosca, J. (13 July, 1999) 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., (eds.), *Foundations of Genetic Programming*, Orlando, Florida, USA: pp. 64–65.
- [21] Yao, X. (13 July, 1999) Universal approximation by genetic programming. In Haynes, T., Langdon, W. B., O'Reilly, U.-M., Poli, R., and Rosca, J., (eds.), *Foundations of Genetic Programming*, Orlando, Florida, USA: pp. 66–67.
- [22] Zhang, B.-T. (13 July, 1999) Bayesian genetic programming. In Haynes, T., Langdon, W. B., O'Reilly, U.-M., Poli, R., and Rosca, J., (eds.), *Foundations of Genetic Programming*, Orlando, Florida, USA: pp. 68–70.
- [23] Hussain, T. S. (13 July, 1999) Workshop on advanced grammar techniques within genetic programming and evolutionary computation. In Hussain, T. S., (ed.), *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, Orlando, Florida, USA: p. 72.
- [24] Rose, B. J. (13 July, 1999) Logic-based genetic programming with definite clause translation grammars. In Hussain, T. S., (ed.), *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, Orlando, Florida, USA: pp. 73–75.
- [25] Jacob, C. (13 July, 1999) Lindenmayer systems and growth program evolution. In Hussain, T. S., (ed.), *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, Orlando, Florida, USA: pp. 76–79.
- [26] Janikow, C. Z. (13 July, 1999) Constrained genetic programming. In Hussain, T. S., (ed.), *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, Orlando, Florida, USA: pp. 80–82.
- [27] Hussain, T. S. and Browse, R. A. (13 July, 1999) Genetic operators with dynamic biases that operate on attribute grammar representations of neural networks. In Hussain, T. S., (ed.), *Advanced Grammar Techniques Within Genetic Programming and Evolutionary Computation*, Orlando, Florida, USA: pp. 83–86.
- [28] Daida, J. M. (13 July, 1999) The methodology, pedagogy, and philosophy of genetic and evolutionary computation: Reporting and research practices. In Daida, J. M., (ed.), *The Methodology, Pedagogy, and Philosophy of Genetic and Evolutionary Computation*, Orlando, Florida, USA: pp. 88–92.
- [29] Collins, T. D. (13 July, 1999) Evolutionary computation visualization. In Collins, T. D., (ed.), *Evolutionary Computation Visualization*, Orlando, Florida, USA: pp. 94–95.
- [30] Bedau, M. A., Joshi, S., and Lillie, B. (13 July, 1999) Visualizing waves of evolutionary activity of alleles. In Collins, T. D., (ed.), *Evolutionary Computation Visualization*, Orlando, Florida, USA: pp. 96–98.
- [31] Collins, J. J. (13 July, 1999) Visualization of evolutionary algorithms using principal components analysis. In Collins, T. D., (ed.), *Evolutionary Computation Visualization*, Orlando, Florida, USA: pp. 99–100.

- [32] Pohlheim, H. (13 July, 1999) Visualization of evolutionary algorithms: Real-world application of standard techniques and multidimensional visualization. In Collins, T. D., (ed.), *Evolutionary Computation Visualization*, Orlando, Florida, USA: pp. 101–103.
- [33] Spears, W. M. (13 July, 1999) An overview of multidimensional visualization techniques. In Collins, T. D., (ed.), *Evolutionary Computation Visualization*, Orlando, Florida, USA: pp. 104–105.
- [34] Wu, A. S., Ramsey, C. L., De Jong, K. A., Grefenstette, J. J., and Burke, D. S. (13 July, 1999) VIS: A genetic algorithm visualization tool. In Collins, T. D., (ed.), *Evolutionary Computation Visualization*, Orlando, Florida, USA: pp. 106–109.
- [35] Deb, K. (13 July, 1999) Organizer’s Comments. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 111–112.
- [36] Veldhuizen, D. A. V. and Lamont, G. B. (13 July, 1999) MOEA test suite generation, design, and use. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 113–114.
- [37] Jimenez, F., Verdegay, J. L., and Gomez-Skarmeta, A. F. (13 July, 1999) Evolutionary techniques for constrained multiobjective optimization problems. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 115–116.
- [38] Coello, C. A. C. (13 July, 1999) Constraint handling through a multiobjective optimization technique. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 117–118.
- [39] Shaw, K. J., Fonseca, C. M., and Fleming, P. J. (13 July, 1999) A simple demonstration of a quantitative technique for comparing multiobjective genetic algorithm performance. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 119–120.
- [40] Zitzler, E., Deb, K., and Thiele, L. (13 July, 1999) Comparison of multiobjective evolutionary algorithms on test functions of different difficulty. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 121–122.
- [41] Knowles, J. and Corne, D. (13 July, 1999) Assessing the performance of the pareto archived evolution strategy. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 123–124.
- [42] Veldhuizen, D. A. V. and Lamont, G. B. (13 July, 1999) Genetic algorithms, building blocks, and multiobjective optimization. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 125–126.
- [43] Binh, T. T. (13 July, 1999) A multiobjective evolutionary algorithm: The study cases. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 127–128.
- [44] Cunha, A. G., Oliveira, P., and Covas, J. A. (13 July, 1999) Genetic algorithms in multiobjective optimization problems: An application to polymer extrusion. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 129–130.
- [45] Herreros, A., Baeyens, E., and Peran, J. R. (13 July, 1999) Design of multiobjective robust controllers using genetic algorithms. In Deb, K., (ed.), *Multi-criterion Optimization Using Evolutionary Methods*, Orlando, Florida, USA: pp. 131–132.
- [46] Branke, J. (13 July, 1999) Evolutionary approaches to dynamic optimization problems - A survey. In Branke, J. and Baeck, T., (eds.), *Evolutionary Algorithms for Dynamic Optimization Problems*, Orlando, Florida, USA: pp. 134–137.
- [47] Mattfeld, D. C. and Bierwirth, C. (13 July, 1999) Adaptation and dynamic optimization problems: A view from general system theory. In Branke, J. and Baeck, T., (eds.), *Evolutionary Algorithms for Dynamic Optimization Problems*, Orlando, Florida, USA: pp. 138–141.

- [48] Baeck, T. (13 July, 1999) Self-adaptive genetic algorithms for dynamic environments with slow dynamics. In Branke, J. and Baeck, T., (eds.), *Evolutionary Algorithms for Dynamic Optimization Problems*, Orlando, Florida, USA: pp. 142–145.
- [49] Karr, C. L. (13 July, 1999) An architecture for adaptive process control systems. In Branke, J. and Baeck, T., (eds.), *Evolutionary Algorithms for Dynamic Optimization Problems*, Orlando, Florida, USA: pp. 146–148.
- [50] Santana, R., Ochoa, A., and Soto, M. R. (13 July, 1999) Evolutionary algorithms for dynamic optimization problems: An approach using evolutionary theory and the incident edge model. In Branke, J. and Baeck, T., (eds.), *Evolutionary Algorithms for Dynamic Optimization Problems*, Orlando, Florida, USA: pp. 149–152.
- [51] Anbarasu, L. A., Narayanasamy, P., and Sundararajan, V. (13 July, 1999) Multiple sequence alignment by parallelly evolvable genetic algorithms. In Cantu-Paz, E. and Punch, B., (eds.), *Evolutionary Computation and Parallel Processing*, Orlando, Florida, USA: pp. 154–156.
- [52] Bradwell, R. and Brown, K. (13 July, 1999) Parallel asynchronous memetic algorithms. In Cantu-Paz, E. and Punch, B., (eds.), *Evolutionary Computation and Parallel Processing*, Orlando, Florida, USA: pp. 157–159.
- [53] Braud, A. and Vrain, C. (13 July, 1999) A parallel genetic algorithm based on the BSP model. In Cantu-Paz, E. and Punch, B., (eds.), *Evolutionary Computation and Parallel Processing*, Orlando, Florida, USA: pp. 160–162.
- [54] Chong, F. S. (13 July, 1999) Java based distributed genetic programming on the internet. In Cantu-Paz, E. and Punch, B., (eds.), *Evolutionary Computation and Parallel Processing*, Orlando, Florida, USA: pp. 163–166.
- [55] Davison, B. D. and Rasheed, K. (13 July, 1999) Effect of global parallelism on a steady state GA. In Cantu-Paz, E. and Punch, B., (eds.), *Evolutionary Computation and Parallel Processing*, Orlando, Florida, USA: pp. 167–170.
- [56] He, L. and Mort, N. (13 July, 1999) Application of parallel genetic algorithms to combinatorial multimodal optimization problems. In Cantu-Paz, E. and Punch, B., (eds.), *Evolutionary Computation and Parallel Processing*, Orlando, Florida, USA: pp. 171–173.
- [57] Pohlheim, H., Pawletta, S., and Westphal, A. (13 July, 1999) Parallel evolutionary optimization under Matlab on standard computing networks. In Cantu-Paz, E. and Punch, B., (eds.), *Evolutionary Computation and Parallel Processing*, Orlando, Florida, USA: pp. 174–176.
- [58] Polani, D., Uthmann, T., and Dautenhahn, K. (13 July, 1999) GECCO Birds-of-a-feather workshop on evolution of sensors in nature, hardware, and simulation. In Polani, D., Uthmann, T., and Dautenhahn, K., (eds.), *Evolution of Sensors in Nature, Hardware, and Simulation*, Orlando, Florida, USA: p. 178.
- [59] Love, J. E. and Johnson, K. M. (13 July, 1999) Evolving natural and artificial gravisensory systems. In Polani, D., Uthmann, T., and Dautenhahn, K., (eds.), *Evolution of Sensors in Nature, Hardware, and Simulation*, Orlando, Florida, USA: pp. 179–183.
- [60] Mautner, C. (13 July, 1999) Exploring sensor usage in simulated evolutionary robotics. In Polani, D., Uthmann, T., and Dautenhahn, K., (eds.), *Evolution of Sensors in Nature, Hardware, and Simulation*, Orlando, Florida, USA: pp. 184–185.
- [61] Alissandrakis, A. and Dautenhahn, K. (13 July, 1999) Evolution of vision-based agent behavior in hilly landscapes. In Polani, D., Uthmann, T., and Dautenhahn, K., (eds.), *Evolution of Sensors in Nature, Hardware, and Simulation*, Orlando, Florida, USA: pp. 186–190.
- [62] Sinclair, M. C. and Clark, A. F. (13 July, 1999) Evolving an artificial vision system: Initial considerations. In Polani, D., Uthmann, T., and Dautenhahn, K., (eds.), *Evolution of Sensors in Nature, Hardware, and Simulation*, Orlando, Florida, USA: pp. 191–195.

- [63] Hutt, B. and Keating, D. (13 July, 1999) The evolution of an eye in visually guided foraging agents. In Polani, D., Uthmann, T., and Dautenhahn, K., (eds.), *Evolution of Sensors in Nature, Hardware, and Simulation*, Orlando, Florida, USA: pp. 196–200.
- [64] Liese, A., Polani, D., and Uthmann, T. (13 July, 1999) Evolution of the spectral properties of a visual agent receptor. In Polani, D., Uthmann, T., and Dautenhahn, K., (eds.), *Evolution of Sensors in Nature, Hardware, and Simulation*, Orlando, Florida, USA: pp. 201–206.
- [65] Sinclair, M. C., Corne, D., and Smith, G. D. (13 July, 1999) Evolutionary telecommunications: Past, present, and future. In Sinclair, M. C., Corne, D., and Smith, G. D., (eds.), *Evolutionary Telecommunications: Past, Present, and Future*, Orlando, Florida, USA: p. 208.
- [66] Sinclair, M. C. (13 July, 1999) Evolutionary telecommunications: A summary. In Sinclair, M. C., Corne, D., and Smith, G. D., (eds.), *Evolutionary Telecommunications: Past, Present, and Future*, Orlando, Florida, USA: pp. 209–212.
- [67] Davis, L. (13 July, 1999) Telecommunications and the evolution of algorithms. In Sinclair, M. C., Corne, D., and Smith, G. D., (eds.), *Evolutionary Telecommunications: Past, Present, and Future*, Orlando, Florida, USA: pp. 213–214.
- [68] Munetomo, M. (13 July, 1999) Designing genetic algorithms for adaptive routing algorithms in the internet. In Sinclair, M. C., Corne, D., and Smith, G. D., (eds.), *Evolutionary Telecommunications: Past, Present, and Future*, Orlando, Florida, USA: pp. 215–216.
- [69] Smith, G. D. (13 July, 1999) Genetic algorithms for mobile and satellite telecommunication systems. In Sinclair, M. C., Corne, D., and Smith, G. D., (eds.), *Evolutionary Telecommunications: Past, Present, and Future*, Orlando, Florida, USA: pp. 217–218.
- [70] Smith, R. E. (13 July, 1999) Embodiment of evolutionary computation in network agents. In Sinclair, M. C., Corne, D., and Smith, G. D., (eds.), *Evolutionary Telecommunications: Past, Present, and Future*, Orlando, Florida, USA: pp. 219–220.
- [71] Wood, D. H. (13 July, 1999) Getting our bearings in DNA computing: A panel discussion. In Wood, D. H., (ed.), *Getting Our Bearings in DNA Computing*, Orlando, Florida, USA: pp. 222–224.
- [72] Freitas, A. A. (13 July, 1999) 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., (ed.), *Joint GECCO-99 and AAAI-99 Workshop Data Mining with Evolutionary Algorithms: Research Directions*, Orlando, Florida, USA: p. 226.
- [73] Bonarini, A., Bonacina, C., and Matteucci, M. (13 July, 1999) Fuzzy and crisp representations of real-valued input for learning classifier systems. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 228–235.
- [74] Booker, L. B. (13 July, 1999) Do we really need to estimate rule utilities in classifier systems?. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 236–241.
- [75] Butz, M. and Stolzmann, W. (13 July, 1999) Action-planning in anticipatory classifier systems. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 242–249.
- [76] Holmes, J. H. (13 July, 1999) Quantitative methods for evaluating learning classifier system performance in forced two-choice decision tasks. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 250–257.
- [77] Kovacs, T. (13 July, 1999) 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., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 258–265.

- [78] Lattaud, C. (13 July, 1999) Non-homogenous classifier systems in a macro-evolution process. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 266–271.
- [79] Saxon, S. and Barry, A. (13 July, 1999) XCS and the Monk’s Problems. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 272–281.
- [80] Smith, R. E., Dike, B. A., Ravichandran, B., El-Fallah, A., and Mehra, R. K. (13 July, 1999) The fighter aircraft LCS: A case of different LCS goals and techniques. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 282–289.
- [81] Stolzmann, W. (13 July, 1999) Latent learning in Khepera robots with anticipatory classifier systems. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 290–297.
- [82] Tomlinson, A. and Bull, L. (13 July, 1999) A corporate XCS. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 298–305.
- [83] Tomlinson, A. and Bull, L. (13 July, 1999) A zeroth level corporate classifier system. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 306–313.
- [84] Westerdale, T. H. (13 July, 1999) Wilson’s error measurement and the Markov property – Identifying detrimental classifiers. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 314–321.
- [85] Wilson, S. W. (13 July, 1999) State of XCS classifier system research. In Lanzi, P. L., Stolzmann, W., and Wilson, S. W., (eds.), *2nd International Workshop on Learning Classifier Systems*, Orlando, Florida, USA: pp. 322–334.
- [86] Antipov, E. (13 July, 1999) A Max 1s problem in DNA computing via GAs. In O’Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 338.
- [87] Anwar, A. (13 July, 1999) Sparse distributed memory with evolutionary mechanisms. In O’Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 339–340.
- [88] Card, S. (13 July, 1999) Genetic programming of wavelet networks for time series prediction. In O’Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 341–342.
- [89] Cardalda, J. J. R. (13 July, 1999) Musical adaptive systems. In O’Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 343–344.
- [90] Costa, J. C. (13 July, 1999) Artificial life modeling of downy mildew of the grapevine. In O’Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 346–347.
- [91] Dopico, J. R. R. (13 July, 1999) Search and generation of heuristic rules of experience for the simplification of ANN training with genetic algorithm. In O’Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 348.
- [92] Eldershaw, C. and Cameron, S. (13 July, 1999) Motion planning using GAs. In O’Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 349.
- [93] Etaner-Uyar, S. (13 July, 1999) New operators and dominance scheme for a diploid GA. In O’Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 350–351.
- [94] Feyzbakhsh, S. A. (13 July, 1999) The new methodology of Adam-Eve-like genetic algorithm for cost optimization. In O’Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 352.

- [95] Gallego-Schmid, M. (13 July, 1999) Modified AntNet: software application in the evaluation and management of a telecommunication network. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 353–354.
- [96] Giacobini, M. (13 July, 1999) A randomness test for binary sequences based on evolutionary algorithms. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 355–356.
- [97] Hidalgo, J. I. (13 July, 1999) Graph partitioning methods for multi-FPGA systems and reconfigurable hardware using genetic algorithms. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 357–358.
- [98] Kalganova, T. (13 July, 1999) A new evolutionary hardware approach for logic design. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 360–361.
- [99] Kanade, U. (13 July, 1999) A study of arithmetic genetic encoding for highly randomized fitness landscapes. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 362–363.
- [100] Karle, V. (13 July, 1999) Algorithm for the paratransit vehicle routing problem using a modified crossover operator based on adjacency relations. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 364.
- [101] Keijzer, M. (13 July, 1999) Scientific discovery using genetic programming. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 365–366.
- [102] Khalak, A. (13 July, 1999) Evolutionary model of open source software: economic impact. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 367–368.
- [103] Kim, J. (13 July, 1999) An artificial immune system for network intrusion detection. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 369–370.
- [104] Krasnogor, N. (13 July, 1999) Coevolution of genes and memes in memetic algorithms. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 371.
- [105] Kumar, S. (13 July, 1999) Lessons from nature: The benefits of embryology. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 372–373.
- [106] Li, J. (13 July, 1999) FGP: A genetic programming tool for financial prediction. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 374.
- [107] Livingstone, D. (13 July, 1999) On modelling the evolution of language and languages. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 375–376.
- [108] Lukschandl, E. (13 July, 1999) Evolving the behavior of collaborating entities using genetic programming. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 377–378.
- [109] Marino, A. (13 July, 1999) Sexual vs. asexual recombination for the graph coloring problem with hybrid genetic algorithms. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 379–380.
- [110] Mehrotra, R. (13 July, 1999) Gust loads and gust methods for predicting aircraft loads and dynamic response. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 381–382.
- [111] Monett, D. (13 July, 1999) Genetic algorithm techniques and intelligent agents design for the mathematical modeling of chemical processes in medicine. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 383–385.
- [112] Noda, E. (13 July, 1999) Discovering interesting prediction rules with a genetic algorithm. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 386–387.

- [113] Ochoa, G. (13 July, 1999) The multiple roles of recombination in GAs. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 388.
- [114] Olsson, L. (13 July, 1999) Strategy evolution for electronic markets using genetic programming. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 389.
- [115] O'Neill, M. (13 July, 1999) Automatic programming with grammatical evolution. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 390–391.
- [116] Parandekar, A. (13 July, 1999) Genetic algorithm-based optimizer: A Java based teaching tool. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 392–393.
- [117] Podgorelec, V. (13 July, 1999) Medical diagnosis prediction using genetic programming. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 394–395.
- [118] Porter, R. (13 July, 1999) GA-accelerators using FPGAs. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 396–397.
- [119] Pratihari, D. K. (13 July, 1999) Optimal path and gait generations simultaneously of a six-legged robot using a GA-fuzzy approach. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 398–399.
- [120] Quick, T. (13 July, 1999) Embodiment as situated structural coupling. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 400.
- [121] Rekiek, B. (13 July, 1999) Multiple-objectives genetic algorithm. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 401.
- [122] Santana, R. (13 July, 1999) On estimation distribution algorithms. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 402.
- [123] Sheehan, L. (13 July, 1999) Self-tuning evolutionary system. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 403.
- [124] bin Suen, J. and shiang Kouh, J. (13 July, 1999) Genetic algorithms for optimal series propeller design. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 404–405.
- [125] Suppakitnarm, A. (13 July, 1999) Simulated annealing: An alternative approach to true multiobjective optimization. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 406–407.
- [126] Taghiyareh, F. (13 July, 1999) Toward designing a new parallel fine-grain genetic algorithm. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 408.
- [127] Teuscher, C. (13 July, 1999) Romero's pilgrimage to Santa Fe: A tale of robot evolution. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 409–410.
- [128] Hoyweghen, C. V. (13 July, 1999) Symmetry in the representation of an optimization problem. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 411.
- [129] Vele-Langs, O. (13 July, 1999) A genetic metaheuristic for traveling salespersons problem. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 412–413.
- [130] Voss, M. (13 July, 1999) Evolutionary algorithm for structural optimization. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 414–415.
- [131] Watson, R. (13 July, 1999) Evolution and problem decomposition. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 416–417.
- [132] Zemke, S. (13 July, 1999) Amalgamation of genetic selection and boosting. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: pp. 418–419.
- [133] Zhang, J. (13 July, 1999) Niching in an ES context. In O'Reilly, U.-M., (ed.), *Graduate Student Workshop*, Orlando, Florida, USA: p. 420.