

Список литературы

- [1] Lones, M. A. and Tyrrell, A. M., The evolutionary computation approach to motif discovery in biological sequences, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 1–11, Washington, D.C., USA, 2005, ACM Press.
- [2] Abbott, R., Challenges for biologically-inspired computing, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 12–22, Washington, D.C., USA, 2005, ACM Press.
- [3] Yang, S. and Branke, J., Evolutionary algorithms for dynamic optimization problems: Workshop preface, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 23–24, Washington, D.C., USA, 2005, ACM Press.
- [4] Younes, A., Calamai, P., and Basir, O., Generalized benchmark generation for dynamic combinatorial problems, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 25–31, Washington, D.C., USA, 2005, ACM Press.
- [5] Rand, W. and Riolo, R., Measurements for understanding the behavior of the genetic algorithm in dynamic environments: A case study using the shaky ladder hyperplane-defined functions, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 32–38, Washington, D.C., USA, 2005, ACM Press.
- [6] Bosman, P. A. N., Learning, anticipation and time-deception in evolutionary online dynamic optimization, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 39–47, Washington, D.C., USA, 2005, ACM Press.
- [7] Boumaza, A., Learning environment dynamics from self-adaptation, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 48–54, Washington, D.C., USA, 2005, ACM Press.
- [8] Lim, D., Ong, Y.-S., and Lee, B.-S., Inverse multi-objective robust evolutionary design optimization in the presence of uncertainty, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 55–62, Washington, D.C., USA, 2005, ACM Press.
- [9] Gao, Y., Huang, J. Z., Rong, H., and Gu, D., Learning classifier system ensemble for data mining, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 63–66, Washington, D.C., USA, 2005, ACM Press.
- [10] Holmes, J. H., Detection of sentinel predictor-class associations with XCS: a sensitivity analysis, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 67–71, Washington, D.C., USA, 2005, ACM Press.
- [11] Gu, D. and Gao, Y., Incremental gradient descent imputation method for missing data in learning classifier systems, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 72–73, Washington, D.C., USA, 2005, ACM Press.
- [12] Orriols, A. and Bernadó-Mansilla, E., The class imbalance problem in learning classifier systems: a preliminary study, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 74–78, Washington, D.C., USA, 2005, ACM Press.
- [13] Baronti, F., Passaro, A., and Starita, A., Post-processing clustering to reduce XCS variability, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 79–81, Washington, D.C., USA, 2005, ACM Press.
- [14] Mellor, D., Policy transfer with a relational learning classifier system, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 82–84, Washington, D.C., USA, 2005, ACM Press.

- [15] Dam, H. H., Abbass, H. A., and Lokan, C., Be real! XCS with continuous-valued inputs, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 85–87, Washington, D.C., USA, 2005, ACM Press.
- [16] Llorà, X., Sastry, K., and Goldberg, D. E., Binary rule encoding schemes: A study using the compact classifier system, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 88–89, Washington, D.C., USA, 2005, ACM Press.
- [17] Booker, L. B., Adaptive value function approximations in classifier systems, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 90–91, Washington, D.C., USA, 2005, ACM Press.
- [18] Wada, A., Takadama, K., and Shimohara, K., Learning classifier system equivalent with reinforcement learning with function approximation, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 92–93, Washington, D.C., USA, 2005, ACM Press.
- [19] Wada, A., Takadama, K., and Shimohara, K., Counter example for q-bucket-brigade under prediction problem, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 94–99, Washington, D.C., USA, 2005, ACM Press.
- [20] Hamzeh, A. and Rahmani, A., Intelligent exploration method for XCS, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 100–102, Washington, D.C., USA, 2005, ACM Press.
- [21] McMahon, A., Scott, D., and Browne, W. N., An autonomous explore/exploit strategy, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 103–108, Washington, D.C., USA, 2005, ACM Press.
- [22] Inoue, H., Takadama, K., and Shimohara, K., Exploring XCS in multiagent environments, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 109–111, Washington, D.C., USA, 2005, ACM Press.
- [23] Sood, N. P., Williams, A. G., and De Jong, K. A., Evaluating the XCS learning classifier system in competitive simultaneous learning environments, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 112–118, Washington, D.C., USA, 2005, ACM Press.
- [24] Smith, N. W. and Congdon, C. B., RCS: A learning classifier systems for evolutionary robotics, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 119–120, Washington, D.C., USA, 2005, ACM Press.
- [25] Esterline, A., BouSaba, C., Homaifar, A., and Rodgers, D., A framework for learning coordinated behavior, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 121–124, Washington, D.C., USA, 2005, ACM Press.
- [26] Bourgeois-Republique, C., Frachet, B., and Collet, P., Using an interactive evolutionary algorithm to help fitting a cochlear implant, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 133–139, Washington, D.C., USA, 2005, ACM Press.
- [27] Mañana, G., González, F., and Romero, E., Distributed genetic algorithm for subtraction radiography, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 140–146, Washington, D.C., USA, 2005, ACM Press.
- [28] Passaro, A., Baronti, F., and Maggini, V., Exploring relationships between genotype and oral cancer development through XCS, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 147–151, Washington, D.C., USA, 2005, ACM Press.

- [29] Petrovski, A. and McCall, J., Smart problem solving environment for medical decision support, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 152–158, Washington, D.C., USA, 2005, ACM Press.
- [30] Stephens, C. R., Waelbroeck, H., and Talley, S. L., Predicting healthcare costs using GAs, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 159–163, Washington, D.C., USA, 2005, ACM Press.
- [31] Siccama, I. and Keijzer, M., Genetic programming as a method to develop powerful predictive models for clinical diagnosis, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 164–166, Washington, D.C., USA, 2005, ACM Press.
- [32] Day, R. O., Nunez, A. S., and Lamont, G. B., MOEA design of robust digital symbol sets, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 167–169, Washington, D.C., USA, 2005, ACM Press.
- [33] LaRoche, P. and Zincir-Heywood, A. N., 802.11 network intrusion detection using genetic programming, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 170–171, Washington, D.C., USA, 2005, ACM Press.
- [34] Oh, J. C. and Blowers, M., Text-independent open-set speaker identification for military missions using genetic rule-based system, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 172–174, Washington, D.C., USA, 2005, ACM Press.
- [35] Ridder, J. P., Evolutionary computation methods for synchronization of effects based operations, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 175–177, Washington, D.C., USA, 2005, ACM Press.
- [36] Shapiro, J. M., Lamont, G. B., and Peterson, G. L., An evolutionary algorithm to generate ellipsoid network intrusion detectors, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 178–180, Washington, D.C., USA, 2005, ACM Press.
- [37] Thie, C. J., Chitty, D. M., and Reed, C. M., Using evolutionary algorithms and dynamic programming to solve uncertain multi-criteria optimisation problems with application to lifetime management for military platforms, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 181–183, Washington, D.C., USA, 2005, ACM Press.
- [38] Hussain, T. S., Cerys, D., Montana, D., Vidaver, G., and Berliner, J. E., Tactical UGV navigation and logistics planning, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 184–186, Washington, D.C., USA, 2005, ACM Press.
- [39] McDonnell, J. and Rice, A., Rapid asset allocation for dynamic TACAIR decision support, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 187–189, Washington, D.C., USA, 2005, ACM Press.
- [40] Moore, F. and Marshall, P., Evolving next generation signal compression and reconstruction transforms via genetic algorithms, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 190–192, Washington, D.C., USA, 2005, ACM Press.
- [41] Kleeman, M. P. and Lamont, G. B., Solving the aircraft engine maintenance scheduling problem using a multi-objective evolutionary algorithm, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 196–198, Washington, D.C., USA, 2005, ACM Press.

- [42] Mühlenbein, H. and Höns, R., Approximate factorizations of distributions and the minimum relative entropy principle, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 199–211, Washington, D.C., USA, 2005, ACM Press.
- [43] Samples, M. E., Daida, J. M., Byom, M., and Pizzimenti, M., Parameter sweeps for exploring GP parameters, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 212–219, Washington, D.C., USA, 2005, ACM Press.
- [44] Piszcz, A. and Soule, T., Genetic programming: Parametric analysis of structure altering mutation techniques, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 220–227, Washington, D.C., USA, 2005, ACM Press.
- [45] Lobo, F. G. and Lima, C. F., A review of adaptive population sizing schemes in genetic algorithm, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 228–234, Washington, D.C., USA, 2005, ACM Press.
- [46] Clune, J., Goings, S., Punch, B., and Goodman, E., Investigations in meta-GAs: Panaceas or pipe dreams?, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 235–241, Washington, D.C., USA, 2005, ACM Press.
- [47] Bidlo, M. and Sekanina, L., Providing information from the environment for growing electronic circuits through polymorphic gates, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 242–248, Washington, D.C., USA, 2005, ACM Press.
- [48] Gallini, A., Ferretti, C., and Mauri, G., Bio molecular engine: A bio-inspired environment for models of growing and evolvable computation, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 249–256, Washington, D.C., USA, 2005, ACM Press.
- [49] Reisinger, J., Stanley, K., and Miikkulainen, R., Towards an empirical measure of evolvability, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 257–264, Washington, D.C., USA, 2005, ACM Press.
- [50] Rieffel, J. and Pollack, J., Evolutionary fabrication: The emergence of novel assembly methods in artificial ontogenies, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 265–272, Washington, D.C., USA, 2005, ACM Press.
- [51] Viswanathan, S. and Pollack, J., How artificial ontogenies can retard evolution, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 273–280, Washington, D.C., USA, 2005, ACM Press.
- [52] Wiles, J. et al., There’s more to a model than code: understanding and formalizing in silico modeling experience, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 281–288, Washington, D.C., USA, 2005, ACM Press.
- [53] Bidlo, M., A benchmark for the sorting network problem, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 289–291, Washington, D.C., USA, 2005, ACM Press.
- [54] Garibay, I., Wu, A. S., and Garibay, O., On location independent representations and self-organization, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 292–292, Washington, D.C., USA, 2005, ACM Press.
- [55] Mierswa, I. and Morik, K., Method trees: Building blocks for self-organizable representations of value series, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 293–300, Washington, D.C., USA, 2005, ACM Press.

- [56] Otter, T., Genotype, phenotype and ontogeny, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 301–301, Washington, D.C., USA, 2005, ACM Press.
- [57] Lewis, J. and Lawson, J., Behaviorally coupled emergent representation, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 302–303, Washington, D.C., USA, 2005, ACM Press.
- [58] Kumar, S., A developmental genetics-inspired approach to robot control, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 304–309, Washington, D.C., USA, 2005, ACM Press.
- [59] Burjorjee, K. and Pollack, J., Theme preservation and the evolution of representation, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 310–320, Washington, D.C., USA, 2005, ACM Press.
- [60] de Jong, E. D., Watson, R. A., and Thierens, D., A generator for hierarchical problems, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 321–326, Washington, D.C., USA, 2005, ACM Press.
- [61] Janikow, C. Z., Adaptable representation in GP, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 327–331, Washington, D.C., USA, 2005, ACM Press.
- [62] Moraglio, A. and Poli, R., Topological crossover for the permutation representation, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 332–338, Washington, D.C., USA, 2005, ACM Press.
- [63] Toussaint, M., Factorial representations to generate arbitrary search distributions, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 339–345, Washington, D.C., USA, 2005, ACM Press.
- [64] Berntsson, J., G2DGA: An adaptive framework for internet-based distributed genetic algorithms, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 346–349, Washington, D.C., USA, 2005, ACM Press.
- [65] Dempsey, I., Constant generation for the financial domain using grammatical evolution, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 350–353, Washington, D.C., USA, 2005, ACM Press.
- [66] Foong, W. K., Maier, H. R., and Simpson, A. R., Ant colont optimization for power plant maintenance scheduling optimization, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 354–357, Washington, D.C., USA, 2005, ACM Press.
- [67] Hayes, C. S. M. and Gedeon, T., Hyperbolic fixed points are typical in the space of mixing operators for the infinite population genetic algorithm, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 358–361, Washington, D.C., USA, 2005, ACM Press.
- [68] Becerra, R. L. and Coello Coello, C. A., Use of domain information to improve the performance of an evolutionary algorithm, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 362–365, Washington, D.C., USA, 2005, ACM Press.
- [69] Lapointe, F.-J., Choreogenetics: the generation of choreographic variants through genetic mutations and selection, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 366–369, Washington, D.C., USA, 2005, ACM Press.

- [70] Lehmann, K. A., Why simulating evolutionary processes is just as interesting as applying them, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 370–373, Washington, D.C., USA, 2005, ACM Press.
- [71] Loiacono, D. and Lanzi, P. L., Improving generalization in the XCSF classifier system using linear least-squares, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 374–377, Washington, D.C., USA, 2005, ACM Press.
- [72] Majeed, H., A new approach to evaluate GP schema in context, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 378–381, Washington, D.C., USA, 2005, ACM Press.
- [73] Khemka, N., Jacob, C., and Cole, G., Making soccer kicks better: A study in particle swarm optimization, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 382–385, Washington, D.C., USA, 2005, ACM Press.
- [74] Skolicki, Z., An analysis of island models in evolutionary computation, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 386–389, Washington, D.C., USA, 2005, ACM Press.
- [75] Kahraman, A. and Seven, H. A., Healthy daily meal planner, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 390–393, Washington, D.C., USA, 2005, ACM Press.
- [76] Karpuzcu, U. R., Automatic verilog code generation through grammatical evolution, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 394–397, Washington, D.C., USA, 2005, ACM Press.
- [77] Kowall, C. A., Braitenberg simulations as vehicles of evolution, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 398–401, Washington, D.C., USA, 2005, ACM Press.
- [78] Kriplean, T. L., Evolving an ecology of two-tiered organizations, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 402–406, Washington, D.C., USA, 2005, ACM Press.
- [79] Suarez Pinzon, D. E., Olarte Ramos, J. Y., and Rojas Galeano, S. A., Evolving object oriented agent programs in robocup domain, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 407–410, Washington, D.C., USA, 2005, ACM Press.
- [80] Vishakh, Urrea, N. J., Nakano, T., and Suda, T., A resource-allocation mechanism for multiagent networks, in *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, edited by Rothlauf, F. et al., pages 411–414, Washington, D.C., USA, 2005, ACM Press.