

Список литературы

- [1] Raidl, G. R. et al., editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, Coimbra, Portugal, 2004, Springer Verlag.
- [2] Bazzoli, A. and Tettamanzi, A. G. B., A memetic algorithm for protein structure prediction in a 3D-lattice HP model, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 1–10, Coimbra, Portugal, 2004, Springer Verlag.
- [3] Brizuela, C. A., González, L. C., and Romero, H. J., An improved genetic algorithm for the sequencing by hybridization problem, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 11–20, Coimbra, Portugal, 2004, Springer Verlag.
- [4] Cotta, C., Sloper, C., and Moscato, P., Evolutionary search of thresholds for robust feature set selection: Application to the analysis of microarray data, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 21–30, Coimbra, Portugal, 2004, Springer Verlag.
- [5] Heddad, A., Brameier, M., and MacCallum, R., Evolving regular expression-based sequence classifiers for protein nuclear localisation, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 31–40, Coimbra, Portugal, 2004, Springer Verlag.
- [6] Jong, K., Marchiori, E., and van der Vaart, A., Analysis of proteomic pattern data for cancer detection, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 41–51, Coimbra, Portugal, 2004, Springer Verlag.
- [7] Matsumaru, N., Centler, F., Zauner, K.-P., and Dittrich, P., Self-adaptive scouting—autonomous experimentation for systems biology, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 52–62, Coimbra, Portugal, 2004, Springer Verlag.
- [8] Moore, J. and Hahn, L., An improved grammatical evolution strategy for hierarchical petri net modeling of complex genetic systems, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 63–72, Coimbra, Portugal, 2004, Springer Verlag.
- [9] Nam, J.-W., Joung, J.-G., Ahn, Y.-S., and Zhang, B.-T., Two-step genetic programming for optimization of RNA common-structure, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 73–83, Coimbra, Portugal, 2004, Springer Verlag.
- [10] Rocha, M., Neves, J., Rocha, I., and Ferreira, E., Evolutionary algorithms for optimal control in fed-batch fermentation processes, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 84–93, Coimbra, Portugal, 2004, Springer Verlag.
- [11] Shen, J. and Heckendorn, R., Discrete branch length representations for genetic algorithms in phylogenetic search, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 94–103, Coimbra, Portugal, 2004, Springer Verlag.

- [12] Spieth, C., Streichert, F., Speer, N., and Zell, A., Iteratively inferring gene regulatory networks with virtual knockout experiments, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 104–112, Coimbra, Portugal, 2004, Springer Verlag.
- [13] Thomsen, R. and Boomsma, W., Multiple sequence alignment using SAGA: Investigating the effects of operator scheduling, population seeding, and crossover operators, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 113–122, Coimbra, Portugal, 2004, Springer Verlag.
- [14] Vandecasteele, F. P. J., Hess, T. F., and Crawford, R. L., Constructing microbial consortia with minimal growth using a genetic algorithm, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 123–129, Coimbra, Portugal, 2004, Springer Verlag.
- [15] Jedidi, A., Caminada, A., and Finke, G., 2-objective optimization of cells overlap and geometry with evolutionary algorithms, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 130–139, Coimbra, Portugal, 2004, Springer Verlag.
- [16] Livramento, S., Moura, A. V., Miyazawa, F. K., Harada, M. M., and Miranda, R. A., A genetic algorithm for telecommunication network design, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 140–149, Coimbra, Portugal, 2004, Springer Verlag.
- [17] Talay, A. C. and Oktug, S., A ga/heuristic hybrid technique for routing and wavelength assignment in wdm networks, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 150–159, Coimbra, Portugal, 2004, Springer Verlag.
- [18] Blesa, M. and Blum, C., Ant colony optimization for the maximum edge-disjoint paths problem, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 160–169, Coimbra, Portugal, 2004, Springer Verlag.
- [19] Comellas, F. and Dalfó, C., Using genetic programming to design broadcasting algorithms for manhattan street networks, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 170–177, Coimbra, Portugal, 2004, Springer Verlag.
- [20] Granato de Araújo, S., Carneiro de Mesquita Filho, A., and de Castro Pinto Pedroza, A., A scenario-based approach to protocol design using evolutionary techniques, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 178–187, Coimbra, Portugal, 2004, Springer Verlag.
- [21] Berntsson, J. and Tang, M., A slicing structure representation for the multi-layer floorplan layout problem, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 188–197, Coimbra, Portugal, 2004, Springer Verlag.
- [22] Drechsler, N., Hilgemeier, M., Fey, G., and Drechsler, R., Disjoint sum of product minimization by evolutionary algorithms, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 198–207, Coimbra, Portugal, 2004, Springer Verlag.

- [23] Fühner, T., Erdmann, A., Farkas, R., Tollkühn, B., and Kókai, G., Genetic algorithms to improve mask and illumination geometries in lithographic imaging systems, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 208–218, Coimbra, Portugal, 2004, Springer Verlag.
- [24] Solteiro Pires, E. J., de Moura Oliveira, P. B., and Tenreiro Machado, J. A., Multi-objective genetic manipulator trajectory planner, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 219–229, Coimbra, Portugal, 2004, Springer Verlag.
- [25] Sanchez, E., Squillero, G., and Violante, M., Exploiting hw acceleration for classifying complex test program generation problems, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 230–239, Coimbra, Portugal, 2004, Springer Verlag.
- [26] Sekanina, L., Evolutionary design space exploration for median circuits, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 240–249, Coimbra, Portugal, 2004, Springer Verlag.
- [27] Ballerini, L. and Franzén, L., Genetic optimization of morphological filters with applications in breast cancer detection, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 250–259, Coimbra, Portugal, 2004, Springer Verlag.
- [28] Ballerini, L., Bocchi, L., and Johansson, C. B., Image segmentation by a genetic fuzzy c-means algorithm using color and spatial information, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 260–269, Coimbra, Portugal, 2004, Springer Verlag.
- [29] Brabazon, A. and O’Neill, M., Bond-issuer credit rating with grammatical evolution, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 270–279, Coimbra, Portugal, 2004, Springer Verlag.
- [30] Cooper, C., Howard, D., and Tyrrell, A. M., Using gas to create a waveguide model of the oral vocal tract, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 280–288, Coimbra, Portugal, 2004, Springer Verlag.
- [31] shi Cui, J. and qi Sun, Z., Vision-based hand motion capture using genetic algorithm, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 289–300, Coimbra, Portugal, 2004, Springer Verlag.
- [32] Duarte, A., Sánchez, A., Fernández, F., Montemayor, A. S., and Pantrigo, J. J., Top-down evolutionary image segmentation using a hierarchical social metaheuristic, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 301–311, Coimbra, Portugal, 2004, Springer Verlag.
- [33] Dunn, E. and Olague, G., Multi-objective sensor planning for efficient and accurate object reconstruction, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 312–321, Coimbra, Portugal, 2004, Springer Verlag.
- [34] Kim, S.-M. and Kim, W., An algorithm for segmenting gaseous objects on images, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 322–328, Coimbra, Portugal, 2004, Springer Verlag.

- [35] Macias, D., Vial, A., and Barchiesi, D., Evolution strategies approach for the solution of an inverse problem in near-field optics, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 329–338, Coimbra, Portugal, 2004, Springer Verlag.
- [36] Myodo, E. and Tanaka, K., A watermark sharing scheme to high quality halftone images with genetic algorithms, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 339–348, Coimbra, Portugal, 2004, Springer Verlag.
- [37] Rivero, D., nal, J. R. R., Dorado, J., and Pazos, A., Using genetic programming for character discrimination in damaged documents, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 349–358, Coimbra, Portugal, 2004, Springer Verlag.
- [38] Shin, J. et al., Evolutionary algorithm-based local structure modeling for improved active shape model, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 359–368, Coimbra, Portugal, 2004, Springer Verlag.
- [39] Zhang, M. and Smart, W., Multiclass object classification using genetic programming, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 369–378, Coimbra, Portugal, 2004, Springer Verlag.
- [40] Zhang, M. and Bhowan, U., Program size and pixel statistics in genetic programming for object detection, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 379–388, Coimbra, Portugal, 2004, Springer Verlag.
- [41] Zhang, Y., Smith, S. L., and Tyrrell, A. M., Intrinsic evolvable hardware in digital filter design, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 389–398, Coimbra, Portugal, 2004, Springer Verlag.
- [42] Blackwell, T. and Young, M., Swarm granulator, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 399–408, Coimbra, Portugal, 2004, Springer Verlag.
- [43] Lewis, M., Aesthetic video filter evolution in an interactive real-time framework, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 409–418, Coimbra, Portugal, 2004, Springer Verlag.
- [44] Dehlinger, H. E., Generative art: Fuzzy polygon clipping in program generated line oriented drawings, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 419–426, Coimbra, Portugal, 2004, Springer Verlag.
- [45] Greenfield, G., Tilings of sequences of co-evolved images, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 427–436, Coimbra, Portugal, 2004, Springer Verlag.
- [46] Machado, P., Romero, J., Santos, M. L., Cardoso, A., and Manaris, B., Adaptive critics for evolutionary artists, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 437–446, Coimbra, Portugal, 2004, Springer Verlag.

- [47] Svängård, N. and Nordin, P., Automated aesthetic selection of evolutionary art by distance based classification of genomes and phenomes using the universal similarity metric, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 447–456, Coimbra, Portugal, 2004, Springer Verlag.
- [48] Nemirovsky, P. and Luger-Guillaume, R., Improvisational media space :: Architecture and strategies for evolution, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 457–466, Coimbra, Portugal, 2004, Springer Verlag.
- [49] Dorin, A., The virtual ecosystem as generative electronic art, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 467–476, Coimbra, Portugal, 2004, Springer Verlag.
- [50] McCormack, J., Aesthetic evolution of l-systems revisited, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 477–488, Coimbra, Portugal, 2004, Springer Verlag.
- [51] Fleury, G., Lacomme, P., and Prins, C., Evolutionary algorithms for stochastic arc routing problems, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 501–512, Coimbra, Portugal, 2004, Springer Verlag.
- [52] Janson, S. and Middendorf, M., A hierarchical particle swarm optimizer for dynamic optimization problems, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 513–524, Coimbra, Portugal, 2004, Springer Verlag.
- [53] Jin, Y. and Sendhoff, B., Constructing dynamic optimization test problems using the multi-objective optimization concept, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 525–536, Coimbra, Portugal, 2004, Springer Verlag.
- [54] Maravall, D., de Lope, J., and Patricio, M. A., Competitive goal coordination in automatic parking, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 537–548, Coimbra, Portugal, 2004, Springer Verlag.
- [55] Vaccaro, J. and Guest, C., Evolutionary bayesian network dynamic planner for game RISK, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by Raidl, G. R. et al., volume 3005 of *LNCS*, pages 549–560, Coimbra, Portugal, 2004, Springer Verlag.