

Список литературы

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

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

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

- [35] D. Macias, A. Vial, and D. Barchiesi, 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 G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 329–338, Coimbra, Portugal, 2004, Springer Verlag.
- [36] E. Myodo and K. Tanaka, 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 G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 339–348, Coimbra, Portugal, 2004, Springer Verlag.
- [37] D. Rivero, J. R. R. nal, J. Dorado, and A. Pazos, Using genetic programming for character discrimination in damaged documents, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 349–358, Coimbra, Portugal, 2004, Springer Verlag.
- [38] J. Shin *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 G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 359–368, Coimbra, Portugal, 2004, Springer Verlag.
- [39] M. Zhang and W. Smart, Multiclass object classification using genetic programming, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 369–378, Coimbra, Portugal, 2004, Springer Verlag.
- [40] M. Zhang and U. Bhowan, 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 G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 379–388, Coimbra, Portugal, 2004, Springer Verlag.
- [41] Y. Zhang, S. L. Smith, and A. M. Tyrrell, Intrinsic evolvable hardware in digital filter design, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 389–398, Coimbra, Portugal, 2004, Springer Verlag.
- [42] T. Blackwell and M. Young, Swarm granulator, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 399–408, Coimbra, Portugal, 2004, Springer Verlag.
- [43] M. Lewis, Aesthetic video filter evolution in an interactive real-time framework, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 409–418, Coimbra, Portugal, 2004, Springer Verlag.
- [44] H. E. Dehlinger, 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 G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 419–426, Coimbra, Portugal, 2004, Springer Verlag.
- [45] G. Greenfield, Tilings of sequences of co-evolved images, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 427–436, Coimbra, Portugal, 2004, Springer Verlag.
- [46] P. Machado, J. Romero, M. L. Santos, A. Cardoso, and B. Manaris, Adaptive critics for evolutionary artists, in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by G. R. Raidl *et al.*, volume 3005 of *LNCS*, pp. 437–446, Coimbra, Portugal, 2004, Springer Verlag.

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