

Список литературы

- [1] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 260–269.
- [2] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 250–259.
- [3] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 1–10.
- [4] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 188–197.
- [5] T. Blackwell and M. Young, “Swarm granulator,” in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 399–408.
- [6] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 160–169.
- [7] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 270–279.
- [8] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 11–20.
- [9] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori,

- F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 170–177.
- [10] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 280–288.
 - [11] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 21–30.
 - [12] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 419–426.
 - [13] A. Dorin, “The virtual ecosystem as generative electronic art,” in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 467–476.
 - [14] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 198–207.
 - [15] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 301–311.
 - [16] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 312–321.
 - [17] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 501–512.
 - [18] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 208–218.
- [19] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 178–187.
- [20] G. Greenfield, “Tilings of sequences of co-evolved images,” in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 427–436.
- [21] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 31–40.
- [22] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 513–524.
- [23] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 130–139.
- [24] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 525–536.
- [25] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 41–51.
- [26] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 322–328.

- [27] M. Lewis, “Aesthetic video filter evolution in an interactive real-time framework,” in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 409–418.
- [28] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 140–149.
- [29] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 437–446.
- [30] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 329–338.
- [31] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 537–548.
- [32] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 52–62.
- [33] J. McCormack, “Aesthetic evolution of l-systems revisited,” in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 477–488.
- [34] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 63–72.
- [35] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 339–348.

- [36] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 73–83.
- [37] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 457–466.
- [38] G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004.
- [39] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 349–358.
- [40] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 84–93.
- [41] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 230–239.
- [42] L. Sekanina, “Evolutionary design space exploration for median circuits,” in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 240–249.
- [43] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 94–103.
- [44] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 289–300.

- [45] J. Shin, H. Ki, V. Maik, J. Kang, J. Jung, and J. Paik, "Evolutionary algorithm-based local structure modeling for improved active shape model," in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 359–368.
- [46] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 219–229.
- [47] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 104–112.
- [48] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 447–456.
- [49] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 150–159.
- [50] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 113–122.
- [51] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 549–560.
- [52] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 123–129.
- [53] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori,

- F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 379–388.
- [54] M. Zhang and W. Smart, “Multiclass object classification using genetic programming,” in *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 369–378.
- [55] 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*, ser. LNCS, G. R. Raidl, S. Cagnoni, J. Branke, D. W. Corne, R. Drechsler, Y. Jin, C. Johnson, P. Machado, E. Marchiori, F. Rothlauf, G. D. Smith, and G. Squillero, Eds., vol. 3005. Coimbra, Portugal: Springer Verlag, 5-7 April 2004, pp. 389–398.