

Список литературы

- [1] 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, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 1–10, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 11–20, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 21–30, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 31–40, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 41–51, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 52–62, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 63–72, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 73–83, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 84–93, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 94–103, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 104–112, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 113–122, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 123–129, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 130–139, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 140–149, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 150–159, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 160–169, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 170–177, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 178–187, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 188–197, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 198–207, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 208–218, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 219–229, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 230–239, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 240–249, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 250–259, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 260–269, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 270–279, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 280–288, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 289–300, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 301–311, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 312–321, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 322–328, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 329–338, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 339–348, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 349–358, Coimbra, Portugal, 5-7 April 2004, Springer Verlag.
 - [38] 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*, edited by 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, volume 3005 of *LNCS*, pages 359–368, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 369–378, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 379–388, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 389–398, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 399–408, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 409–418, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 419–426, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 427–436, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 437–446, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 447–456, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 457–466, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 467–476, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 477–488, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 501–512, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 513–524, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 525–536, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 537–548, Coimbra, Portugal, 5-7 April 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, 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, volume 3005 of *LNCS*, pages 549–560, Coimbra, Portugal, 5-7 April 2004, Springer Verlag.