

Список литературы

- [1] Lucia Ballerini, Leonardo Bocchi, and Carina B. Johansson. Image segmentation by a genetic fuzzy c-means algorithm using color and spatial information. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 260–269, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [2] Lucia Ballerini and Lennart Franzén. Genetic optimization of morphological filters with applications in breast cancer detection. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 250–259, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [3] Andrea Bazzoli and Andrea G. B. Tettamanzi. A memetic algorithm for protein structure prediction in a 3D-lattice HP model. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 1–10, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [4] Johan Berntsson and Maolin Tang. A slicing structure representation for the multi-layer floorplan layout problem. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 188–197, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [5] Tim Blackwell and Michael Young. Swarm granulator. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 399–408, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [6] Maria Blesa and Christian Blum. Ant colony optimization for the maximum edge-disjoint paths problem. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 160–169, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [7] Anthony Brabazon and Michael O'Neill. Bond-issuer credit rating with grammatical evolution. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 270–279, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [8] Carlos A. Brizuela, Luis C. González, and Heidi J. Romero. An improved genetic algorithm for the sequencing by hybridization problem. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 11–20, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.

- [9] Francesc Comellas and Cristina Dalfó. Using genetic programming to design broadcasting algorithms for manhattan street networks. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 170–177, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [10] Crispin Cooper, David Howard, and Andy M. Tyrrell. Using gas to create a waveguide model of the oral vocal tract. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 280–288, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [11] Carlos Cotta, Christian Sloper, and Pablo Moscato. Evolutionary search of thresholds for robust feature set selection: Application to the analysis of microarray data. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 21–30, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [12] Hans Eberhardt Dehlinger. Generative art: Fuzzy polygon clipping in program generated line oriented drawings. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 419–426, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [13] Alan Dorin. The virtual ecosystem as generative electronic art. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 467–476, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [14] Nicole Drechsler, Mario Hilgemeier, Görschwin Fey, and Rolf Drechsler. Disjoint sum of product minimization by evolutionary algorithms. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 198–207, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [15] Abraham Duarte, Ángel Sánchez, Felipe Fernández, Antonio S. Montemayor, and Juan J. Pantrigo. Top-down evolutionary image segmentation using a hierarchical social metaheuristic. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 301–311, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [16] Enrique Dunn and Gustavo Olague. Multi-objective sensor planning for efficient and accurate object reconstruction. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 312–321, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.

- [17] Gérard Fleury, Philippe Lacomme, and Christian Prins. Evolutionary algorithms for stochastic arc routing problems. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 501–512, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [18] Tim Fühner, Andreas Erdmann, Richárd Farkas, Bernd Tollkühn, and Gabriella Kókai. Genetic algorithms to improve mask and illumination geometries in lithographic imaging systems. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 208–218, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [19] Sérgio Granato de Araújo, Antônio Carneiro de Mesquita Filho, and Aloysio de Castro Pinto Pedroza. A scenario-based approach to protocol design using evolutionary techniques. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 178–187, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [20] Gary Greenfield. Tilings of sequences of co-evolved images. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 427–436, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [21] Amine Heddad, Markus Brameier, and Robert MacCallum. Evolving regular expression-based sequence classifiers for protein nuclear localisation. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 31–40, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [22] Stefan Janson and Martin Middendorf. A hierarchical particle swarm optimizer for dynamic optimization problems. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 513–524, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [23] Adel Jedidi, Alexandre Caminada, and Gerd Finke. 2-objective optimization of cells overlap and geometry with evolutionary algorithms. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 130–139, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [24] Yaochu Jin and Bernhard Sendhoff. Constructing dynamic optimization test problems using the multi-objective optimization concept. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 525–536, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.

- [25] Kees Jong, Elena Marchiori, and Aad van der Vaart. Analysis of proteomic pattern data for cancer detection. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 41–51, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [26] Sung-Min Kim and Wonha Kim. An algorithm for segmenting gaseous objects on images. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 322–328, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [27] Matthew Lewis. Aesthetic video filter evolution in an interactive real-time framework. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 409–418, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [28] Silvana Livramento, Arnaldo Vieira Moura, Flávio Keidi Miyazawa, Mário Massato Harada, and Rogério Albertoni Miranda. A genetic algorithm for telecommunication network design. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 140–149, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [29] Penousal Machado, Juan Romero, María Luisa Santos, Amílcar Cardoso, and Bill Manaris. Adaptive critics for evolutionary artists. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 437–446, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [30] Demetrio Macias, Alexandre Vial, and Dominique Barchiesi. Evolution strategies approach for the solution of an inverse problem in near-field optics. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 329–338, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [31] Darío Maravall, Javier de Lope, and Miguel Ángel Patricio. Competitive goal coordination in automatic parking. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 537–548, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [32] Naoki Matsumaru, Florian Centler, Klaus-Peter Zauner, and Peter Dittrich. Self-adaptive scouting—autonomous experimentation for systems biology. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 52–62, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.

- [33] Jon McCormack. Aesthetic evolution of l-systems revisited. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 477–488, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [34] Jason Moore and Lance Hahn. An improved grammatical evolution strategy for hierarchical petri net modeling of complex genetic systems. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 63–72, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [35] Emi Myodo and Kiyoshi Tanaka. A watermark sharing scheme to high quality halftone images with genetic algorithms. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 339–348, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [36] Jin-Wu Nam, Je-Gun Joung, Young-Sirk Ahn, and Byoung-Tak Zhang. Two-step genetic programming for optimization of RNA common-structure. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 73–83, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [37] Paul Nemirowsky and Rebecca Luger-Guillaume. Improvisational media space :: Architecture and strategies for evolution. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 457–466, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [38] Daniel Rivero, Juan R. Rabu nal, Julián Dorado, and Alejandro Pazos. Using genetic programming for character discrimination in damaged documents. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 349–358, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [39] Miguel Rocha, José Neves, Isabel Rocha, and Eugénio Ferreira. Evolutionary algorithms for optimal control in fed-batch fermentation processes. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 84–93, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [40] Ernesto Sanchez, Giovanni Squillero, and Massimo Violante. Exploiting hw acceleration for classifying complex test program generation problems. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 230–239, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.

- [41] Lukáš Sekanina. Evolutionary design space exploration for median circuits. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 240–249, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [42] Jian Shen and Robert Heckendorn. Discrete branch length representations for genetic algorithms in phylogenetic search. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 94–103, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [43] Jin shi Cui and Zeng qi Sun. Vision-based hand motion capture using genetic algorithm. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 289–300, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [44] Jeongho Shin, Hyunjong Ki, Vivek Maik, Jinyoung Kang, Junghoon Jung, and Joonki Paik. Evolutionary algorithm-based local structure modeling for improved active shape model. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 359–368, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [45] Eduardo José Solteiro Pires, Paulo B. de Moura Oliveira, and José António Tenreiro Machado. Multi-objective genetic manipulator trajectory planner. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 219–229, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [46] Christian Spieth, Felix Streichert, Nora Speer, and Andreas Zell. Iteratively inferring gene regulatory networks with virtual knockout experiments. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 104–112, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [47] Nils Svängård and Peter Nordin. Automated aesthetic selection of evolutionary art by distance based classification of genomes and phenomes using the universal similarity metric. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 447–456, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [48] A. Cagatay Talay and Sema Oktug. A ga/heuristic hybrid technique for routing and wavelength assignment in wdm networks. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 150–159, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.

- [49] René Thomsen and Wouter Boomsma. Multiple sequence alignment using SAGA: Investigating the effects of operator scheduling, population seeding, and crossover operators. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 113–122, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [50] James Vaccaro and Clark Guest. Evolutionary bayesian network dynamic planner for game RISK. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 549–560, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [51] Frederik P. J. Vandecasteele, Thomas F. Hess, and Ronald L. Crawford. Constructing microbial consortia with minimal growth using a genetic algorithm. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 123–129, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [52] Mengjie Zhang and Urvesh Bhowan. Program size and pixel statistics in genetic programming for object detection. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 379–388, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [53] Mengjie Zhang and Will Smart. Multiclass object classification using genetic programming. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 369–378, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [54] Yang Zhang, Steve L. Smith, and Andy M. Tyrrell. Intrinsic evolvable hardware in digital filter design. In Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3005 of *LNCS*, pages 389–398, Coimbra, Portugal, 5-7 April 2004. Springer Verlag.
- [55] Guenther R. Raidl, Stefano Cagnoni, Jurgen Branke, David W. Corne, Rolf Drechsler, Yaochu Jin, Colin Johnson, Penousal Machado, Elena Marchiori, Franz Rothlauf, George D. Smith, and Giovanni 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.