

Список литературы

- [Ballerini *et al.*(2004)Ballerini, Bocchi & Johansson] BALLERINI, L., BOCCHI, L. & JOHANSSON, C. B. (2004). 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* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Ballerini & Franzén(2004)] BALLERINI, L. & FRANZÉN, L. (2004). Genetic optimization of morphological filters with applications in breast cancer detection. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Bazzoli & Tettamanzi(2004)] BAZZOLI, A. & TETTAMANZI, A. G. B. (2004). 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* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Berntsson & Tang(2004)] BERNTSSON, J. & TANG, M. (2004). A slicing structure representation for the multi-layer floorplan layout problem. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Blackwell & Young(2004)] BLACKWELL, T. & YOUNG, M. (2004). Swarm granulator. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Blesa & Blum(2004)] BLESÁ, M. & BLUM, C. (2004). Ant colony optimization for the maximum edge-disjoint paths problem. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Brabazon & O'Neill(2004)] BRABAZON, A. & O'NEILL, M. (2004). Bond-issuer credit rating with grammatical evolution. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Brizuela *et al.*(2004)Brizuela, González & Romero] BRIZUELA, C. A., GONZÁLEZ, L. C. & ROMERO, H. J. (2004). An improved genetic algorithm for the sequencing by hybridization problem. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.

- [Comellas & Dalfó(2004)] COMELLAS, F. & DALFÓ, C. (2004). Using genetic programming to design broadcasting algorithms for manhattan street networks. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Cooper et al.(2004)Cooper, Howard & Tyrrell] COOPER, C., HOWARD, D. & TYRRELL, A. M. (2004). Using gas to create a waveguide model of the oral vocal tract. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Cotta et al.(2004)Cotta, Sloper & Moscato] COTTA, C., SLOPER, C. & MOSCATO, P. (2004). 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* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Dehlinger(2004)] DEHLINGER, H. E. (2004). Generative art: Fuzzy polygon clipping in program generated line oriented drawings. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Dorin(2004)] DORIN, A. (2004). The virtual ecosystem as generative electronic art. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Drechsler et al.(2004)Drechsler, Hilgemeier, Fey & Drechsler] DRECHSLER, N., HILGEMEIER, M., FEY, G. & DRECHSLER, R. (2004). Disjoint sum of product minimization by evolutionary algorithms. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Duarte et al.(2004)Duarte, Sánchez, Fernández, Montemayor & Pantrigo] DUARTE, A., SÁNCHEZ, A., FERNÁNDEZ, F., MONTEMAYOR, A. S. & PANTRIGO, J. J. (2004). Top-down evolutionary image segmentation using a hierarchical social metaheuristic. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Dunn & Olague(2004)] DUNN, E. & OLAGUE, G. (2004). Multi-objective sensor planning for efficient and accurate object reconstruction. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Fleury et al.(2004)Fleury, Lacomme & Prins] FLEURY, G., LACOMME, P. & PRINS, C. (2004). Evolutionary algorithms for stochastic arc routing problems. In: *Applications of Evolutionary*

- Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Fühner *et al.*(2004)] Fühner, Erdmann, Farkas, Tollkühn & Kókai] FÜHNER, T., ERDMANN, A., FARKAS, R., TOLLKÜHN, B. & KÓKAI, G. (2004). Genetic algorithms to improve mask and illumination geometries in lithographic imaging systems. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Granato de Araújo *et al.*(2004)] Granato de Araújo, Carneiro de Mesquita Filho & de Castro Pinto Pedroza] GRANATO DE ARAÚJO, S., CARNEIRO DE MESQUITA FILHO, A. & DE CASTRO PINTO PEDROZA, A. (2004). A scenario-based approach to protocol design using evolutionary techniques. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Greenfield(2004)] GREENFIELD, G. (2004). Tilings of sequences of co-evolved images. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Heddad *et al.*(2004)] Heddad, Brameier & MacCallum] HEDDAD, A., BRAMEIER, M. & MACCALLUM, R. (2004). Evolving regular expression-based sequence classifiers for protein nuclear localisation. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Janson & Middendorf(2004)] JANSON, S. & MIDDENDORF, M. (2004). A hierarchical particle swarm optimizer for dynamic optimization problems. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Jedidi *et al.*(2004)] Jedidi, Caminada & Finke] JEDIDI, A., CAMINADA, A. & FINKE, G. (2004). 2-objective optimization of cells overlap and geometry with evolutionary algorithms. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Jin & Sendhoff(2004)] JIN, Y. & SENDHOFF, B. (2004). Constructing dynamic optimization test problems using the multi-objective optimization concept. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Jong *et al.*(2004)] Jong, Marchiori & van der Vaart] JONG, K., MARCHIORI, E. & VAN DER VAART, A. (2004). Analysis of proteomic pattern data for cancer detection. In: *Applications*

- of *Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Kim & Kim(2004)] KIM, S.-M. & KIM, W. (2004). An algorithm for segmenting gaseous objects on images. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Lewis(2004)] LEWIS, M. (2004). Aesthetic video filter evolution in an interactive real-time framework. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Livramento *et al.*(2004)Livramento, Moura, Miyazawa, Harada & Miranda] LIVRAMENTO, S., MOURA, A. V., MIYAZAWA, F. K., HARADA, M. M. & MIRANDA, R. A. (2004). A genetic algorithm for telecommunication network design. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Machado *et al.*(2004)Machado, Romero, Santos, Cardoso & Manaris] MACHADO, P., ROMERO, J., SANTOS, M. L., CARDOSO, A. & MANARIS, B. (2004). Adaptive critics for evolutionary artists. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Macias *et al.*(2004)Macias, Vial & Barchiesi] MACIAS, D., VIAL, A. & BARCHIESI, D. (2004). 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* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Maravall *et al.*(2004)Maravall, de Lope & Patricio] MARAVALL, D., DE LOPE, J. & PATRICIO, M. A. (2004). Competitive goal coordination in automatic parking. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Matsumaru *et al.*(2004)Matsumaru, Centler, Zauner & Dittrich] MATSUMARU, N., CENTLER, F., ZAUNER, K.-P. & DITTRICH, P. (2004). Self-adaptive scouting—autonomous experimentation for systems biology. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [McCormack(2004)] MCCORMACK, J. (2004). Aesthetic evolution of l-systems revisited. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT,*

- EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Moore & Hahn(2004)] MOORE, J. & HAHN, L. (2004). 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* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Myodo & Tanaka(2004)] MYODO, E. & TANAKA, K. (2004). A watermark sharing scheme to high quality halftone images with genetic algorithms. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Nam *et al.*(2004)Nam, Joung, Ahn & Zhang] NAM, J.-W., JOUNG, J.-G., AHN, Y.-S. & ZHANG, B.-T. (2004). Two-step genetic programming for optimization of RNA common-structure. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Nemirovsky & Luger-Guillaume(2004)] NEMIROVSKY, P. & LUGER-GUILLAUME, R. (2004). Improvisational media space :: Architecture and strategies for evolution. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Raidl *et al.*(2004)Raidl, Cagnoni, Branke, Corne, Drechsler, Jin, Johnson, Machado, Marchiori, Rothlauf, Smith & Squillero] RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G. (eds.) (2004). *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Rivero *et al.*(2004)Rivero, nal, Dorado & Pazos] RIVERO, D., NAL, J. R. R., DORADO, J. & PAZOS, A. (2004). Using genetic programming for character discrimination in damaged documents. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Rocha *et al.*(2004)Rocha, Neves, Rocha & Ferreira] ROCHA, M., NEVES, J., ROCHA, I. & FERREIRA, E. (2004). Evolutionary algorithms for optimal control in fed-batch fermentation processes. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Sanchez *et al.*(2004)Sanchez, Squillero & Violante] SANCHEZ, E., SQUILLERO, G. & VIOLANTE, M. (2004). Exploiting hw acceleration for classifying complex test program generation problems. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.

- [Sekanina(2004)] SEKANINA, L. (2004). Evolutionary design space exploration for median circuits. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Shen & Heckendorn(2004)] SHEN, J. & HECKENDORN, R. (2004). Discrete branch length representations for genetic algorithms in phylogenetic search. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Shi Cui & qi Sun(2004)] SHI CUI, J. & QI SUN, Z. (2004). Vision-based hand motion capture using genetic algorithm. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Shin *et al.*(2004)Shin, Ki, Maik, Kang, Jung & Paik] SHIN, J., KI, H., MAIK, V., KANG, J., JUNG, J. & PAIK, J. (2004). Evolutionary algorithm-based local structure modeling for improved active shape model. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Solteiro Pires *et al.*(2004)Solteiro Pires, de Moura Oliveira & Tenreiro Machado] SOLTEIRO PIRES, E. J., DE MOURA OLIVEIRA, P. B. & TENREIRO MACHADO, J. A. (2004). Multi-objective genetic manipulator trajectory planner. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Spieth *et al.*(2004)Spieth, Streichert, Speer & Zell] SPIETH, C., STREICHERT, F., SPEER, N. & ZELL, A. (2004). Iteratively inferring gene regulatory networks with virtual knockout experiments. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Svangård & Nordin(2004)] SVANGÅRD, N. & NORDIN, P. (2004). 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* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Talay & Oktug(2004)] TALAY, A. C. & OKTUG, S. (2004). 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* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.

- [Thomsen & Boomsma(2004)] THOMSEN, R. & BOOMSMA, W. (2004). 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* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Vaccaro & Guest(2004)] VACCARO, J. & GUEST, C. (2004). Evolutionary bayesian network dynamic planner for game RISK. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Vandecasteele *et al.*(2004)Vandecasteele, Hess & Crawford] VANDECASTEELE, F. P. J., HESS, T. F. & CRAWFORD, R. L. (2004). Constructing microbial consortia with minimal growth using a genetic algorithm. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Zhang & Bhowan(2004)] ZHANG, M. & BHOWAN, U. (2004). Program size and pixel statistics in genetic programming for object detection. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Zhang & Smart(2004)] ZHANG, M. & SMART, W. (2004). Multiclass object classification using genetic programming. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.
- [Zhang *et al.*(2004)Zhang, Smith & Tyrrell] ZHANG, Y., SMITH, S. L. & TYRRELL, A. M. (2004). Intrinsic evolvable hardware in digital filter design. In: *Applications of Evolutionary Computing, EvoWorkshops2004: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (RAIDL, G. R., CAGNONI, S., BRANKE, J., CORNE, D. W., DRECHSLER, R., JIN, Y., JOHNSON, C., MACHADO, P., MARCHIORI, E., ROTHLAUF, F., SMITH, G. D. & SQUILLERO, G., eds.), vol. 3005 of *LNCS*. Coimbra, Portugal: Springer Verlag.