

Список литературы

- [Aguilar-Ruiz and Divina 2005] J. S. Aguilar-Ruiz and F. Divina, Evolutionary biclustering of microarray data, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 1–10, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Avigad et al. 2005] G. Avigad, A. Moshaiov, and N. Brauner, Moea-based approach to delayed decisions for robust conceptual design, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 584–589, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Bidargaddi et al. 2005] N. P. Bidargaddi, M. Chetty, and J. Kamruzzaman, A fuzzy viterbi algorithm for improved sequence alignment and searching of proteins, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 11–21, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Błażewicz et al. 2005] J. Błażewicz, M. Borowski, P. Formanowicz, and M. Stobiecki, Tabu search method for determining sequences of amino acids in long polypeptides, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 22–32, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Blackwell and Jefferies 2005] T. Blackwell and J. Jefferies, Swarm tech-tiles, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 468–477, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Blansch  et al. 2005] A. Blansch , P. Ga arski, and J. J. Korczak, A coevolutionary approach for clustering with feature weighting application to image analysis, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 254–263, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.

- [Bleuler and Zitzler 2005] S. Bleuler and E. Zitzler, Order preserving clustering over multiple time course experiments, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 33–43, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Bocchi et al. 2005] L. Bocchi, L. Ballerini, and S. Hässler, A new evolutionary algorithm for image segmentation, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 264–273, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Brown 2005] A. R. Brown, Exploring rhythmic automata, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 551–556, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Bush et al. 2005] W. S. Bush, A. A. Motsinger, S. M. Dudek, and M. D. Ritchie, Can neural network constraints in gp provide power to detect genes associated with human disease?, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 44–53, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Centeno et al. 2005] T. M. Centeno, H. S. Lopes, M. K. Felisberto, and L. V. Ramos de Arruda, Object detection for computer vision using a robust genetic algorithm, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 284–293, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Chen et al. 2005] Y.-C. Chen, J.-M. Yang, C.-H. Tsai, and C.-Y. Kao, Gempls: A new qsar method combining generic evolutionary method and partial least squares, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 125–135, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.

- [Collomosse and Hall 2005] J. P. Collomosse and P. M. Hall, Genetic paint: A search for salient paintings, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 437–447, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Cutello et al. 2005] V. Cutello, G. Narzisi, and G. Nicosia, A class of pareto archived evolution strategy algorithms using immune inspired operators for ab-initio protein structure prediction, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 54–63, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [de Croon et al. 2005] G. C. H. E. de Croon, E. O. Postma, and H. J. van den Herik, Sensory-motor coordination in gaze control, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 334–344, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Dorin 2005] A. Dorin, Artificial life, death and epidemics in evolutionary, generative electronic art, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 448–457, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Draves 2005] S. Draves, The electric sheep screen-saver: A case study in aesthetic evolution, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 458–467, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Duarte et al. 2005] A. Duarte, Á. Sánchez, F. Fernández, and A. Sanz, Region merging for severe oversegmented images using a hierarchical social metaheuristic, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 345–355, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.

- [Dunn et al. 2005] E. Dunn, G. Olague, and E. Lutton, Automated photogrammetric network design using the parisian approach, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 356–365, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Eldridge 2005] A. C. Eldridge, Extra-music(ologic)al models for algorithmic composition, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 557–562, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Fang and Le-Ping 2005] L. Fang and L. Le-Ping, Unsupervised anomaly detection based on an evolutionary artificial immune network, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 166–174, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Greenfield 2005] G. Greenfield, Evolutionary methods for ant colony paintings, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 478–487, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Karaman et al. 2005] A. Karaman, Şima Uyar, and G. Eryiğit, The memory indexing evolutionary algorithm for dynamic environments, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 563–573, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Karaoğlu et al. 2005] B. Karaoğlu, H. Topçuoğlu, and F. Gürgen, Evolutionary algorithms for location area management, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 175–184, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Krishna et al. 2005] A. Krishna, A. Narayanan, and E. C. Keedwell, Neural networks and temporal gene expression data, in *Applications*

- of *Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 64–73, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Langer et al. 2005] M. Langer, B. Svensson, A. Brun, M. Andersson, and H. Knutsson, Design of fast multidimensional filters using genetic algorithms, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 366–375, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Liu et al. 2005] H. Liu, J. F. Miller, and A. M. Tyrrell, A biological development model for the design of robust multiplier, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 195–204, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Lutton et al. 2005] E. Lutton, P. Grenier, and J. L. Vehl, An interactive ea for multifractal bayesian denoising, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 274–283, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Madsen and Widmer 2005] S. T. Madsen and G. Widmer, Evolutionary search for musical parallelism, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 488–497, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Manaris et al. 2005] B. Manaris, P. Machado, C. McCauley, J. Romero, and D. Krehbiel, Developing fitness functions for pleasant music: Zipf’s law and interactive evolution systems, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 498–507, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Manetta et al. 2005] L. Manetta, L. Ollino, and M. Schillaci, Use of an evolutionary tool for antenna array synthesis, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO,*

- EvoCOMNET*, *EvoHOT*, *EvoIASP*, *EvoMUSART*, *EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 245–253, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Marchiori and Sebag 2005] E. Marchiori and M. Sebag, Bayesian learning with local support vector machines for cancer classification with gene expression data, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 74–83, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [McCormack 2005] J. McCormack, Open problems in evolutionary music and art, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 428–436, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [McDermott et al. 2005] J. McDermott, N. J. L. Griffith, and M. O’Neill, Toward user-directed evolution of sound synthesis parameters, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 517–526, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Merkle et al. 2005] D. Merkle, M. Middendorf, and A. Scheidler, Dynamic decentralized packet clustering in networks, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 574–583, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Miranda and Matthias 2005] E. R. Miranda and J. Matthias, Granular sampling using a pulse-coupled network of spiking neurons, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 539–544, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Mitchell and Pipe 2005] T. J. Mitchell and A. G. Pipe, Convergence synthesis of dynamic frequency modulation tones using an evolution strategy, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni,

- D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 533–538, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Moscato et al. 2005] P. Moscato, R. Berretta, M. Hourani, A. Mendes, and C. Cotta, Genes related with alzheimer’s disease: A comparison of evolutionary search, statistical and integer programming approaches, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 84–94, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Mumolo et al. 2005] E. Mumolo, M. Nolich, and G. Scalamera, Genetic-fuzzy optimization algorithm for adaptive learning of human vocalization in robotics, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 376–385, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Neri et al. 2005] F. Neri, A. V. Kononova, G. Delvecchio, M. S. Labini, and A. V. Uglanov, A hierarchical evolutionary algorithm with noisy fitness in structural optimization problems, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 610–616, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Ochoa et al. 2005] G. Ochoa, C. Mädler-Kron, R. Rodriguez, and K. Jaffe, Assortative mating in genetic algorithms for dynamic problems, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 617–622, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Oltean 2005] M. Oltean, Evolving reversible circuits for the even-parity problem, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 225–234, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Óscar Pérez et al. 2005] Óscar Pérez, J. García, A. Berlanga, and J. M. Molina, Evolving parameters of surveillance video systems for non-overfitted learning, in *Applications of Evolutionary*

- Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 386–395, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Parsopoulos and Vrahatis 2005] K. E. Parsopoulos and M. N. Vrahatis, Unified particle swarm optimization in dynamic environments, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 590–599, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Pérez et al. 2005] C. B. Pérez, G. Olague, F. Fernandez, and E. Lutton, An evolutionary infection algorithm for dense stereo correspondence, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 294–303, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Pulasinghe and Rajapakse 2005] K. Pulasinghe and J. C. Rajapakse, Syntactic approach to predict membrane spanning regions of transmembrane proteins, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 95–104, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Ramirez and Hazan 2005] R. Ramirez and A. Hazan, Understanding expressive music performance using genetic algorithms, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 508–516, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Rand and Riolo 2005] W. Rand and R. Riolo, Shaky ladders, hyperplane-defined functions and genetic algorithms: Systematic controlled observation in dynamic environments, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 600–609, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Reichelt et al. 2005] D. Reichelt, P. Gmilkowsky, and S. Linser, A study of an iterated local search on the reliable communication networks design problem, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET,*

- EvoHOT*, *EvoIASP*, *EvoMUSART*, *EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 156–165, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Roberts and Claridge 2005] M. E. Roberts and E. Claridge, A multistage approach to cooperatively coevolving feature construction and object detection, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 396–406, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Rocco S. 2005] C. M. Rocco S., A hybrid approach based on evolutionary strategies and interval arithmetic to perform robust designs, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 623–628, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Rothlauf et al. 2005] F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, editors, *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, volume 3449 of *LNCS*, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Sanchez et al. 2005] E. Sanchez, M. S. Reorda, and G. Squillero, Automatic completion and refinement of verification sets for microprocessor cores, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 205–214, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Scheuermann and Middendorf 2005] B. Scheuermann and M. Middendorf, Counter-based ant colony optimization as a hardware-oriented meta-heuristic, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 235–244, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Sekanina 2005] L. Sekanina, Evolutionary design of gate-level polymorphic digital circuits, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin,

- P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 185–194, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Shan et al. 2005] T. Shan, S. Wang, X. Zhang, and L. Jiao, Automatic image enhancement driven by evolution based on ridgelet frame in the presence of noise, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 304–313, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Smith et al. 2005] S. L. Smith, S. Leggett, and A. M. Tyrrell, An implicit context representation for evolving image processing filters, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 407–416, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Tang and Sebastian 2005] M. Tang and A. Sebastian, A genetic algorithm for vlsi floorplanning using o-tree representation, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 215–224, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Torres D. and Rocco S. 2005] D. E. Torres D. and C. M. Rocco S., Empirical models based on hybrid intelligent systems for assessing the reliability of complex networks, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 147–155, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Tsunoda et al. 2005] D. F. Tsunoda, H. S. Lopes, and A. A. Freitas, An evolutionary approach for motif discovery and transmembrane protein classification, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 105–114, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Urbano 2005] P. Urbano, Playing in the pheromone playground: Experiences in swarm painting, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and

- G. Squillero, volume 3449 of *LNCS*, pp. 527–532, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Vanyi 2005] R. Vanyi, Practical evaluation of efficient fitness functions for binary images, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 314–324, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Wedde and Farooq 2005] H. F. Wedde and M. Farooq, A performance evaluation framework for nature inspired routing algorithms, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 136–146, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Worth and Stepney 2005] P. Worth and S. Stepney, Growing music: musical interpretations of l-systems, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 545–550, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Yang et al. 2005] J. Yang, S. Wongsu, V. Kadiramanathan, S. A. Billings, and P. C. Wright, Differential evolution and its application to metabolic flux analysis, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 115–124, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Zhang and Smart 2005] M. Zhang and W. Smart, Learning weights in genetic programs using gradient descent for object recognition, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*, pp. 417–427, Lausanne, Switzerland, 30 March-1 April 2005, Springer Verlag.
- [Zhang et al. 2005] X. Zhang, S. Wang, T. Shan, and L. Jiao, Selective svms ensemble driven by immune clonal algorithm, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, edited by F. Rothlauf, J. Branke, S. Cagnoni, D. W. Corne, R. Drechsler, Y. Jin, P. Machado, E. Marchiori, J. Romero, G. D. Smith, and G. Squillero, volume 3449 of *LNCS*,

pp. 325–333, Lausanne, Switzerland, 30 March-1 April 2005,
Springer Verlag.