

Список литературы

- [1] 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, eds., *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, vol. 3449 of *LNCS*, (Lausanne, Switzerland), Springer Verlag, 30 March-1 April, 2005.
- [2] J. S. Aguilar-Ruiz and F. Divina, *Evolutionary biclustering of microarray data*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 1–10, Springer Verlag, 30 March-1 April, 2005.
- [3] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 11–21, Springer Verlag, 30 March-1 April, 2005.
- [4] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 22–32, Springer Verlag, 30 March-1 April, 2005.
- [5] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 33–43, Springer Verlag, 30 March-1 April, 2005.
- [6] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 44–53, Springer Verlag, 30 March-1 April, 2005.
- [7] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 54–63, Springer Verlag, 30 March-1 April, 2005.
- [8] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 64–73, Springer Verlag, 30 March-1 April, 2005.
- [9] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 74–83, Springer Verlag, 30 March-1 April, 2005.

- [10] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 84–94, Springer Verlag, 30 March-1 April, 2005.
- [11] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 95–104, Springer Verlag, 30 March-1 April, 2005.
- [12] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 105–114, Springer Verlag, 30 March-1 April, 2005.
- [13] J. Yang, S. Wongsu, V. Kadirkamanathan, 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 115–124, Springer Verlag, 30 March-1 April, 2005.
- [14] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 125–135, Springer Verlag, 30 March-1 April, 2005.
- [15] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 136–146, Springer Verlag, 30 March-1 April, 2005.
- [16] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 147–155, Springer Verlag, 30 March-1 April, 2005.
- [17] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 156–165, Springer Verlag, 30 March-1 April, 2005.
- [18] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 166–174, Springer Verlag, 30 March-1 April, 2005.
- [19] B. Karaoglu, H. Topçuoğlu and F. Gürgen, *Evolutionary algorithms for location area management*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 175–184, Springer Verlag, 30 March-1 April, 2005.
- [20] L. Sekanina, *Evolutionary design of gate-level polymorphic digital circuits*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 185–194, Springer Verlag, 30 March-1 April, 2005.
- [21] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 195–204, Springer Verlag, 30 March-1 April, 2005.
- [22] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 205–214, Springer Verlag, 30 March-1 April, 2005.
- [23] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 215–224, Springer Verlag, 30 March-1 April, 2005.
- [24] M. Oltean, *Evolving reversible circuits for the even-parity problem*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 225–234, Springer Verlag, 30 March-1 April, 2005.
- [25] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 235–244, Springer Verlag, 30 March-1 April, 2005.
- [26] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 245–253, Springer Verlag, 30 March-1 April, 2005.
- [27] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 254–263, Springer Verlag, 30 March-1 April, 2005.
- [28] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 264–273, Springer Verlag, 30 March-1 April, 2005.
- [29] E. Lutton, P. Grenier and J. L. Vehel, *An interactive ea for multifractal bayesian denoising*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 274–283, Springer Verlag, 30 March-1 April, 2005.
- [30] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 284–293, Springer Verlag, 30 March-1 April, 2005.
- [31] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 294–303, Springer Verlag, 30 March-1 April, 2005.
- [32] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 304–313, Springer Verlag, 30 March-1 April, 2005.
- [33] R. Vanyi, *Practical evaluation of efficient fitness functions for binary images*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 314–324, Springer Verlag, 30 March-1 April, 2005.
- [34] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 325–333, Springer Verlag, 30 March-1 April, 2005.
- [35] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 334–344, Springer Verlag, 30 March-1 April, 2005.

- [36] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 345–355, Springer Verlag, 30 March-1 April, 2005.
- [37] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 356–365, Springer Verlag, 30 March-1 April, 2005.
- [38] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 366–375, Springer Verlag, 30 March-1 April, 2005.
- [39] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 376–385, Springer Verlag, 30 March-1 April, 2005.
- [40] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 386–395, Springer Verlag, 30 March-1 April, 2005.
- [41] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 396–406, Springer Verlag, 30 March-1 April, 2005.
- [42] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 407–416, Springer Verlag, 30 March-1 April, 2005.
- [43] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 417–427, Springer Verlag, 30 March-1 April, 2005.
- [44] J. McCormack, *Open problems in evolutionary music and art*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 428–436, Springer Verlag, 30 March-1 April, 2005.
- [45] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 437–447, Springer Verlag, 30 March-1 April, 2005.
 - [46] A. Dorin, *Artificial life, death and epidemics in evolutionary, generative electronic art*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 448–457, Springer Verlag, 30 March-1 April, 2005.
 - [47] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 458–467, Springer Verlag, 30 March-1 April, 2005.
 - [48] T. Blackwell and J. Jefferies, *Swarm tech-tiles*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 468–477, Springer Verlag, 30 March-1 April, 2005.
 - [49] G. Greenfield, *Evolutionary methods for ant colony paintings*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 478–487, Springer Verlag, 30 March-1 April, 2005.
 - [50] S. T. Madsen and G. Widmer, *Evolutionary search for musical parallelism*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 488–497, Springer Verlag, 30 March-1 April, 2005.
 - [51] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 498–507, Springer Verlag, 30 March-1 April, 2005.
 - [52] R. Ramirez and A. Hazan, *Understanding expressive music performance using genetic algorithms*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 508–516, Springer Verlag, 30 March-1 April, 2005.
 - [53] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 517–526, Springer Verlag, 30 March-1 April, 2005.

- [54] P. Urbano, *Playing in the pheromone playground: Experiences in swarm painting*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 527–532, Springer Verlag, 30 March-1 April, 2005.
- [55] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 533–538, Springer Verlag, 30 March-1 April, 2005.
- [56] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 539–544, Springer Verlag, 30 March-1 April, 2005.
- [57] P. Worth and S. Stepney, *Growing music: musical interpretations of l-systems*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 545–550, Springer Verlag, 30 March-1 April, 2005.
- [58] A. R. Brown, *Exploring rhythmic automata*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 551–556, Springer Verlag, 30 March-1 April, 2005.
- [59] A. C. Eldridge, *Extra-music(ologic)al models for algorithmic composition*, in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 557–562, Springer Verlag, 30 March-1 April, 2005.
- [60] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 563–573, Springer Verlag, 30 March-1 April, 2005.
- [61] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 574–583, Springer Verlag, 30 March-1 April, 2005.
- [62] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 584–589, Springer Verlag, 30 March-1 April, 2005.

- [63] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 590–599, Springer Verlag, 30 March-1 April, 2005.
- [64] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 600–609, Springer Verlag, 30 March-1 April, 2005.
- [65] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 610–616, Springer Verlag, 30 March-1 April, 2005.
- [66] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 617–622, Springer Verlag, 30 March-1 April, 2005.
- [67] 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* (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, eds.), vol. 3449 of *LNCS*, (Lausanne, Switzerland), pp. 623–628, Springer Verlag, 30 March-1 April, 2005.