

Список литературы

- [1] J. S. Aguilar-Ruiz and F. Divina, “Evolutionary biclustering of microarray data,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 1–10.
- [2] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 584–589.
- [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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 11–21.
- [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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 22–32.
- [5] T. Blackwell and J. Jefferies, “Swarm tech-tiles,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 468–477.
- [6] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 254–263.
- [7] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 33–43.
- [8] L. Bocchi, L. Ballerini, and S. H ssler, “A new evolutionary algorithm for image segmentation,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 264–273.
- [9] A. R. Brown, “Exploring rhythmic automata,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 551–556.

- [10] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 44–53.
- [11] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 284–293.
- [12] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 125–135.
- [13] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 437–447.
- [14] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 54–63.
- [15] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 334–344.
- [16] A. Dorin, “Artificial life, death and epidemics in evolutionary, generative electronic art,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 448–457.
- [17] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 458–467.
- [18] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 345–355.

- [19] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 356–365.
- [20] A. C. Eldridge, “Extra-music(ologic)al models for algorithmic composition,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 557–562.
- [21] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 166–174.
- [22] G. Greenfield, “Evolutionary methods for ant colony paintings,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 478–487.
- [23] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 563–573.
- [24] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 175–184.
- [25] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 64–73.
- [26] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 366–375.
- [27] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 195–204.

- [28] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 274–283.
- [29] S. T. Madsen and G. Widmer, “Evolutionary search for musical parallelism,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 488–497.
- [30] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 498–507.
- [31] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 245–253.
- [32] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 74–83.
- [33] J. McCormack, “Open problems in evolutionary music and art,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 428–436.
- [34] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 517–526.
- [35] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 574–583.
- [36] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 539–544.

- [37] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 533–538.
- [38] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 84–94.
- [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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 376–385.
- [40] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 610–616.
- [41] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 617–622.
- [42] M. Oltean, “Evolving reversible circuits for the even-parity problem,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 225–234.
- [43] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 386–395.
- [44] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 590–599.
- [45] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 294–303.
- [46] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 95–104.
 - [47] R. Ramirez and A. Hazan, “Understanding expressive music performance using genetic algorithms,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 508–516.
 - [48] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 600–609.
 - [49] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 156–165.
 - [50] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 396–406.
 - [51] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 623–628.
 - [52] 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*, ser. LNCS, vol. 3449. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005. [Online]. Available: <http://www.springerlink.com/openurl.asp?genre=article&issn=0302-9743&volume=3449&page=1>
 - [53] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 205–214.

- [54] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 235–244.
- [55] L. Sekanina, “Evolutionary design of gate-level polymorphic digital circuits,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 185–194.
- [56] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 304–313.
- [57] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 407–416.
- [58] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 215–224.
- [59] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 147–155.
- [60] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 105–114.
- [61] P. Urbano, “Playing in the pheromone playground: Experiences in swarm painting,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 527–532.
- [62] R. Vanyi, “Practical evaluation of efficient fitness functions for binary images,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 314–324.

- [63] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 136–146.
- [64] P. Worth and S. Stepney, “Growing music: musical interpretations of l-systems,” in *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 545–550.
- [65] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 115–124.
- [66] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 417–427.
- [67] 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*, ser. LNCS, 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. Lausanne, Switzerland: Springer Verlag, 30 March-1 April 2005, pp. 325–333.