Список литературы

[1] Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.) Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC Vol. 3449 of LNCS, Lausanne, Switzerland (30 March-1 April, 2005) Springer Verlag.

[2] Aguilar-Ruiz, J. S. and Divina, F. (30 March-1 April, 2005) Evolutionary Biclustering of Microarray Data. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 1–10.

[3] Bidargaddi, N. P., Chetty, M., and Kamruzzaman, J. (30 March-1 April, 2005) A Fuzzy Viterbi Algorithm for Improved Sequence Alignment and Searching of Proteins. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 11–21.

[4] Błażewicz, J., Borowski, M., Formanowicz, P., and Stobiecki, M. (30 March-1 April, 2005) Tabu search method for determining sequences of amino acids in long polypeptides. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 22–32.

[5] Bleuler, S. and Zitzler, E. (30 March-1 April, 2005) Order Preserving Clustering over Multiple Time Course Experiments. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 33–43.

[6] Bush, W. S., Motsinger, A. A., Dudek, S. M., and Ritchie, M. D. (30 March-1 April, 2005) Can neural network constraints in GP provide power to detect genes associated with human disease?. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 44–53.

[7] Cutello, V., Narzisi, G., and Nicosia, G. (30 March-1 April, 2005) A Class of Pareto Archived Evolution Strategy Algorithms using Immune inspired Operators for Ab-Initio Protein Structure Prediction. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 54–63.

[8] Krishna, A., Narayanan, A., and Keedwell, E. C. (30 March-1 April, 2005) Neural networks and temporal gene expression data. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 64–73.

[9] Marchiori, E. and Sebag, M. (30 March-1 April, 2005) Bayesian learning with local support vector machines for cancer classification with gene expression data. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO,*

EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 74–83.

[10] Moscato, P., Berretta, R., Hourani, M., Mendes, A., and Cotta, C. (30 March-1 April, 2005) Genes Related with Alzheimer's Disease: A Comparison of Evolutionary Search, Statistical and Integer Programming Approaches. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 84–94.

[11] Pulasinghe, K. and Rajapakse, J. C. (30 March-1 April, 2005) Syntactic Approach to Predict Membrane Spanning Regions of Transmembrane Proteins. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 95–104.

[12] Tsunoda, D. F., Lopes, H. S., and Freitas, A. A. (30 March-1 April, 2005) An evolutionary approach for motif discovery and transmembrane protein classification. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 105–114.

[13] Yang, J., Wongsa, S., Kadirkamanathan, V., Billings, S. A., and Wright, P. C. (30 March-1 April, 2005) Differential Evolution and Its Application to Metabolic Flux Analysis. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 115–124.

[14] Chen, Y.-C., Yang, J.-M., Tsai, C.-H., and Kao, C.-Y. (30 March-1 April, 2005) GEMPLS: A New QSAR Method Combining Generic Evolutionary Method and Partial Least Squares. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 125–135.

[15] Wedde, H. F. and Farooq, M. (30 March-1 April, 2005) A Performance Evaluation Framework for Nature Inspired Routing Algorithms. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 136–146.

[16] Torres D., D. E. and Rocco S., C. M. (30 March-1 April, 2005) Empirical Models Based on Hybrid Intelligent Systems for Assessing the Reliability of Complex Networks. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 147–155.

[17] Reichelt, D., Gmilkowsky, P., and Linser, S. (30 March-1 April, 2005) A Study of an Iterated Local Search on the Reliable Communication Networks Design Problem. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 156–165.

[18] Fang, L. and Le-Ping, L. (30 March-1 April, 2005) Unsupervised Anomaly Detection Based On An Evolutionary Artificial Immune Network. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 166–174.

[19] Karaoğlu, B., Topçuoğlu, H., and Gürgen, F. (30 March-1 April, 2005) Evolutionary Algorithms for Location Area Management. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 175–184.

[20] Sekanina, L. (30 March-1 April, 2005) Evolutionary Design of Gate-Level Polymorphic Digital Circuits. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 185–194.

[21] Liu, H., Miller, J. F., and Tyrrell, A. M. (30 March-1 April, 2005) A Biological Development model for the Design of Robust Multiplier. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 195–204.

[22] Sanchez, E., Reorda, M. S., and Squillero, G. (30 March-1 April, 2005) Automatic completion and refinement of verification sets for microprocessor cores. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 205–214.

[23] Tang, M. and Sebastian, A. (30 March-1 April, 2005) A Genetic Algorithm for VLSI Floorplanning Using O-Tree Representation. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 215–224.

[24] Oltean, M. (30 March-1 April, 2005) Evolving reversible circuits for the even-parity problem. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 225–234.

[25] Scheuermann, B. and Middendorf, M. (30 March-1 April, 2005) Counter-based Ant Colony Optimization as a Hardware-oriented Meta-Heuristic. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 235–244.

[26] Manetta, L., Ollino, L., and Schillaci, M. (30 March-1 April, 2005) Use of an evolutionary tool for antenna array synthesis. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 245–253.

[27] Blansché, A., Gançarski, P., and Korczak, J. J. (30 March-1 April, 2005) A Coevolutionary Approach for Clustering with Feature Weighting Application to Image Analysis. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 254–263.

[28] Bocchi, L., Ballerini, L., and Hässler, S. (30 March-1 April, 2005) A new evolutionary algorithm for image segmentation. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 264–273.

[29] Lutton, E., Grenier, P., and Vehel, J. L. (30 March-1 April, 2005) An Interactive EA for Multifractal Bayesian Denoising. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 274–283.

[30] Centeno, T. M., Lopes, H. S., Felisberto, M. K., and Ramos de Arruda, L. V. (30 March-1 April, 2005) Object Detection for Computer Vision Using a Robust Genetic Algorithm. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 284–293.

[31] Pérez, C. B., Olague, G., Fernandez, F., and Lutton, E. (30 March-1 April, 2005) An Evolutionary Infection Algorithm for Dense Stereo Correspondence. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 294–303.

[32] Shan, T., Wang, S., Zhang, X., and Jiao, L. (30 March-1 April, 2005) Automatic Image Enhancement Driven by Evolution Based on Ridgelet Frame in the Presence of Noise. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 304–313.

[33] Vanyi, R. (30 March-1 April, 2005) Practical Evaluation of Efficient Fitness Functions for Binary Images. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 314–324.

[34] Zhang, X., Wang, S., Shan, T., and Jiao, L. (30 March-1 April, 2005) Selective SVMs Ensemble Driven by Immune Clonal Algorithm. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 325–333.

[35] de Croon, G. C. H. E., Postma, E. O., and van den Herik, H. J. (30 March-1 April, 2005) Sensory-motor Coordination in Gaze Control. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET,*

EvoHOT, EvoIASP, EvoMUSART, EvoSTOC, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 334–344.

[36] Duarte, A., Sánchez, Á., Fernández, F., and Sanz, A. (30 March-1 April, 2005) Region Merging for Severe Oversegmented Images using a Hierarchical Social Metaheuristic. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 345–355.

[37] Dunn, E., Olague, G., and Lutton, E. (30 March-1 April, 2005) Automated Photogrammetric Network Design using the Parisian Approach. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 356–365.

[38] Langer, M., Svensson, B., Brun, A., Andersson, M., and Knutsson, H. (30 March-1 April, 2005) Design of Fast Multidimensional Filters Using Genetic Algorithms. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 366–375.

[39] Mumolo, E., Nolich, M., and Scalamera, G. (30 March-1 April, 2005) Genetic-Fuzzy Optimization Algorithm for Adaptive Learning of Human Vocalization in Robotics. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 376–385.

[40] Óscar Pérez, García, J., Berlanga, A., and Molina, J. M. (30 March-1 April, 2005) Evolving Parameters of Surveillance Video Systems for Non-Overfitted Learning. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 386–395.

[41] Roberts, M. E. and Claridge, E. (30 March-1 April, 2005) A Multistage Approach To Cooperatively Coevolving Feature Construction and Object Detection. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 396–406.

[42] Smith, S. L., Leggett, S., and Tyrrell, A. M. (30 March-1 April, 2005) An Implicit Context Representation for Evolving Image Processing Filters. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 407–416.

[43] Zhang, M. and Smart, W. (30 March-1 April, 2005) Learning Weights in Genetic Programs Using Gradient Descent for Object Recognition. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 417–427.

[44] McCormack, J. (30 March-1 April, 2005) Open Problems in Evolutionary Music and Art. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 428–436.

[45] Collomosse, J. P. and Hall, P. M. (30 March-1 April, 2005) Genetic Paint: A Search for Salient Paintings. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 437–447.

[46] Dorin, A. (30 March-1 April, 2005) Artificial Life, Death and Epidemics in Evolutionary, Generative Electronic Art. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 448–457.

[47] Draves, S. (30 March-1 April, 2005) The Electric Sheep Screen-Saver: A Case Study in Aesthetic Evolution. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 458–467.

[48] Blackwell, T. and Jefferies, J. (30 March-1 April, 2005) Swarm Tech-tiles. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 468–477.

[49] Greenfield, G. (30 March-1 April, 2005) Evolutionary Methods for Ant Colony Paintings. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 478–487.

[50] Madsen, S. T. and Widmer, G. (30 March-1 April, 2005) Evolutionary Search for Musical Parallelism. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 488–497.

[51] Manaris, B., Machado, P., McCauley, C., Romero, J., and Krehbiel, D. (30 March-1 April, 2005) Developing Fitness Functions for Pleasant Music: Zipf's Law and Interactive Evolution Systems. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 498–507.

[52] Ramirez, R. and Hazan, A. (30 March-1 April, 2005) Understanding Expressive Music Performance Using Genetic Algorithms. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 508–516.

[53] McDermott, J., Griffith, N. J. L., and O'Neill, M. (30 March-1 April, 2005) Toward User-directed Evolution of Sound Synthesis Parameters. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 517–526.

[54] Urbano, P. (30 March-1 April, 2005) Playing in the Pheromone Playground: Experiences in Swarm Painting. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 527–532.

[55] Mitchell, T. J. and Pipe, A. G. (30 March-1 April, 2005) Convergence Synthesis of Dynamic Frequency Modulation Tones Using an Evolution Strategy. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 533–538.

[56] Miranda, E. R. and Matthias, J. (30 March-1 April, 2005) Granular Sampling using a Pulse-Coupled Network of Spiking Neurons. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 539–544.

[57] Worth, P. and Stepney, S. (30 March-1 April, 2005) Growing Music: musical interpretations of L-Systems. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 545–550.

[58] Brown, A. R. (30 March-1 April, 2005) Exploring Rhythmic Automata. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 551–556.

[59] Eldridge, A. C. (30 March-1 April, 2005) Extra-Music(ologic)al Models for Algorithmic Composition. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 557–562.

[60] Karaman, A., Şima Uyar, and Eryiğit, G. (30 March-1 April, 2005) The Memory Indexing Evolutionary Algorithm for Dynamic Environments. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 563–573.

[61] Merkle, D., Middendorf, M., and Scheidler, A. (30 March-1 April, 2005) Dynamic Decentralized Packet Clustering in Networks. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT,*

EvoIASP, EvoMUSART, EvoSTOC, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 574–583.

[62] Avigad, G., Moshaiov, A., and Brauner, N. (30 March-1 April, 2005) MOEA-based Approach to Delayed Decisions for Robust Conceptual Design. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 584–589.

[63] Parsopoulos, K. E. and Vrahatis, M. N. (30 March-1 April, 2005) Unified Particle Swarm Optimization in Dynamic Environments. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 590–599.

[64] Rand, W. and Riolo, R. (30 March-1 April, 2005) Shaky Ladders, Hyperplane-Defined Functions and Genetic Algorithms: Systematic Controlled Observation in Dynamic Environments. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 600–609.

[65] Neri, F., Kononova, A. V., Delvecchio, G., Labini, M. S., and Uglanov, A. V. (30 March-1 April, 2005) A Hierarchical Evolutionary Algorithm with Noisy Fitness in Structural Optimization Problems. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 610–616.

[66] Ochoa, G., Mädler-Kron, C., Rodriguez, R., and Jaffe, K. (30 March-1 April, 2005) Assortative Mating in Genetic Algorithms for Dynamic Problems. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 617–622.

[67] Rocco S., C. M. (30 March-1 April, 2005) A Hybrid Approach based on Evolutionary Strategies and Interval Arithmetic to perform Robust Designs. In Rothlauf, F., Branke, J., Cagnoni, S., Corne, D. W., Drechsler, R., Jin, Y., Machado, P., Marchiori, E., Romero, J., Smith, G. D., and Squillero, G., (eds.), *Applications of Evolutionary Computing, EvoWorkshops2005: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoMUSART, EvoSTOC*, Lausanne, Switzerland: Springer Verlag Vol. 3449 of LNCS, pp. 623–628.