Список литературы

[1] Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.). 2006 *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*. Budapest: Springer Verlag. (doi:doi:10.1007/11732242).

[2] Bakir B, Sezerman OU. 2006 Functional classification of g-protein coupled receptors, based on their specific ligand coupling patterns. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 1–12. Budapest: Springer Verlag.

[3] Bolshakova N, Azuaje F, Cunningham P. 2006 Incorporating biological domain knowledge into cluster validity assessment. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 13–22. Budapest: Springer Verlag.

[4] Danyi K, Kókai G, Csontos J. 2006 A novel mathematical model for the optimization of DNA-chip design and its implementation. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 23–33. Budapest: Springer Verlag.

[5] Huerta EB, Duval B, Hao JK. 2006 A hybrid GA/SVM approach for gene selection and classification of microarray data. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 34–44. Budapest: Springer Verlag.

[6] Kim KY, Cho DY, Zhang BT. 2006 Multi-stage evolutionary algorithms for efficient identification of gene regulatory networks. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 45–56. Budapest: Springer Verlag.

[7] Kim S, Zhang BT. 2006 Human papillomavirus risk type classification from protein sequences using support vector machines. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 57–66. Budapest: Springer Verlag.

[8] Mahata P, Costa W, Cotta C, Moscato P. 2006 Hierarchical clustering, languages and cancer. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 67–78. Budapest: Springer Verlag.

[9] Marchiori E, Jimenez CR, West-Nielsen M, Heegaard NHH. 2006 Robust SVM-based biomarker selection with noisy mass spectrometric proteomic data. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 79–90. Budapest: Springer Verlag.

[10] Meyer PE, Bontempi G. 2006 On the use of variable complementarity for feature selection in cancer classification. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 91–102. Budapest: Springer Verlag.

[11] Motsinger AA, Dudek SM, Hahn LW, Ritchie MD. 2006 Comparison of neural network optimization approaches for studies of human genetics. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 103–114. Budapest: Springer Verlag.

[12] Palacios P, Pelta D, Blanco A. 2006 Obtaining biclusters in microarrays with population-based heuristics. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 115–126. Budapest: Springer Verlag.

[13] Porto AHL, Barbosa VC. 2006 Multiple sequence alignment based on set covers. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 127–137. Budapest: Springer Verlag.

[14] Porto AHL, Barbosa VC. 2006 A methodology for determining amino-acid substitution matrices from set covers. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 138–148. Budapest: Springer Verlag.

[15] Rajapakse M, Schmidt B, Brusic V. 2006 Multi-objective evolutionary algorithm for discovering peptide binding motifs. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 149–158. Budapest: Springer Verlag.

[16] Romero-Zaliz R, Rubio-Escudero C, Cordón O, Harari O, del Val C, Zwir I. 2006 Mining structural databases: An evolutionary multi-objective conceptual clustering methodology. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 159–171. Budapest: Springer Verlag.

[17] Rubio-Escudero C, Romero-Zaliz R, Cordon O, Harari O, del Val C, Zwir I. 2006 Optimal selection of microarray analysis methods using a conceptual clustering algorithm. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 172–183. Budapest: Springer Verlag.

[18] Shin SY, Lee IH, Zhang BT. 2006 Microarray probe design using ϵ-multi-objective evolutionary algorithms with thermodynamic criteria. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 184–195. Budapest: Springer Verlag.

[19] Stojanovic N. 2006 An algorithm for the automated verification of DNA supercontig assemblies. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 196–207. Budapest: Springer Verlag.

[20] Stout M, Bacardit J, Hirst JD, Krasnogor N, Blazewicz J. 2006 From HP lattice models to real proteins: coordination number prediction using learning classifier systems. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH,

Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 208–220. Budapest: Springer Verlag.

[21] Tran D, Pham T, Satou K, Ho T. 2006 Conditional random fields for predicting and analyzing histone occupancy, acetylation and methylation areas in DNA sequences. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 221–230. Budapest: Springer Verlag.

[22] Wetcharaporn W, Chaiyaratana N, Tongsima S. 2006 DNA fragment assembly: An ant colony system approach. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 231–242. Budapest: Springer Verlag.

[23] Wedde HF, Timm C, Farooq M. 2006 Beehiveguard: A step towards secure nature inspired routing algorithms. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 243–254. Budapest: Springer Verlag.

[24] Luna F, Nebro AJ, Dorronsoro B, Alba E, Bouvry P, Hogie L. 2006 Optimal broadcasting in metropolitan MANETs using multiobjective scatter search. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 255–266. Budapest: Springer Verlag.

[25] Ohlídal M, Jaroš J, Schwarz J, Dvořák V. 2006 Evolutionary design of OAB and AAB communication schedules for interconnection networks. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 267–278. Budapest: Springer Verlag.

[26] Comellas F, Sapena E. 2006 A multiagent algorithm for graph partitioning. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 279–285. Budapest: Springer Verlag.

[27] Chen CM, Jeng BC, Yang CR, Lai GH. 2006 Tracing denial of service origin: Ant colony approach. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 286–295. Budapest: Springer Verlag.

[28] Kinane A, Muresan V, O'Connor N. 2006 Optimisation of constant matrix multiplication operation hardware using a genetic algorithm. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 296–307. Budapest: Springer Verlag.

[29] Kühne U, Drechsler N. 2006 Finding compact BDDs using genetic programming. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 308–319. Budapest: Springer Verlag.

[30] Logofatu D, Drechsler R. 2006 Efficient evolutionary approaches for the data ordering problem with inversion. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 320–331. Budapest: Springer Verlag.

[31] Terry MA, Marcus J, Farrell M, Aggarwal V, O'Reilly UM. 2006 GRACE: generative robust analog circuit exploration. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 332–343. Budapest: Springer Verlag.

[32] Sekanina L, Vašíček Z. 2006 On the practical limits of the evolutionary digital filter design at the gate level. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 344–355. Budapest: Springer Verlag.

[33] Bocchi L, Ballerini L. 2006 Image space colonization algorithm. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 356–367. Budapest: Springer Verlag.

[34] Wetcharaporn W, Chaiyaratana N, Huvanandana S. 2006 Enhancement of an automatic fingerprint identification system using a genetic algorithm and genetic programming. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 368–379. Budapest: Springer Verlag.

[35] Cho UK, Hong JH, Cho SB. 2006 Evolutionary singularity filter bank optimization for fingerprint image enhancement. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 380–390. Budapest: Springer Verlag.

[36] Cordella LP, De Stefano C, Fontanella F, Marcelli A. 2006 Evolutionary generation of prototypes for a learning vector quantization classfier. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 391–402. Budapest: Springer Verlag.

[37] De Falco I, Cioppa AD, Tarantino E. 2006 Automatic classification of handsegmented image parts with differential evolution. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 403–414. Budapest: Springer Verlag.

[38] Li R, Emmerich M, Bovenkamp EGP, Eggermont J, Bäck T, Dijkstra J, Reiber JHC. 2006 Mixed-integer evolution strategies and their application to intravascular ultrasound image analysis. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 415–426. Budapest: Springer Verlag.

[39] Olague G, Puente C. 2006 The honeybee search algorithm for three-dimensional reconstruction. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 427–437. Budapest: Springer Verlag.

[40] Óscar Pérez, Ángel Patricio M, García J, Molina JM. 2006 Improving the segmentation stage of a pedestrian tracking video-based system by means of evolution strategies. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 438–449. Budapest: Springer Verlag.

[41] Tianzhu W, Wenhui L, Yi W, Zihou G, Dongfeng H. 2006 An adaptive stochastic collision detection between deformable objects using particle swarm optimization. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 450–459. Budapest: Springer Verlag.

[42] Xie H, Zhang M, Andreae P. 2006 Genetic programming for automatic stress detection in spoken english. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 460–471. Budapest: Springer Verlag.

[43] Zhang M, Lett M. 2006 Localisation fitness in GP for object detection. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 472–483. Budapest: Springer Verlag.

[44] Zhang X, Lu B, Gou S, Jiao L. 2006 Immune multiobjective optimization algorithm for unsupervised feature selection. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 484–494. Budapest: Springer Verlag.

[45] Archetti F, Messina E, Toscani D, Vanneschi L. 2006 Classifying and counting vehicles in traffic control applications. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 495–499. Budapest: Springer Verlag.

[46] Azzini A, Tettamanzi AGB. 2006 A neural evolutionary classification method for brain-wave analysis. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 500–504. Budapest: Springer Verlag.

[47] Besson P, Vesin JM, Popovici V, Kunt M. 2006 Differential evolution applied to a multimodal information theoretic optimization problem. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 505–509. Budapest: Springer Verlag.

[48] Cheran SC, Gargano G. 2006 Artificial life models in lung CTs. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 510–514. Budapest: Springer Verlag.

[49] Krawiec K. 2006 Learning high-level visual concepts using attributed primitives and genetic programming. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing,*

EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC, vol. 3907 of *LNCS*, pp. 515–519. Budapest: Springer Verlag.

[50] Legrand P, Lutton E, Olague G. 2006 Evolutionary denoising based on an estimation of hölder exponents with oscillations. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 520–524. Budapest: Springer Verlag.

[51] Shen S, Chen W. 2006 Probability evolutionary algorithm based human body tracking. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 525–529. Budapest: Springer Verlag.

[52] Breukelaar R, Emmerich M, Bäck T. 2006 On interactive evolution strategies. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 530–541. Budapest: Springer Verlag.

[53] Sáez Y, Isasi P, Segovia J, Mochón A. 2006 An experimental comparative study for interactive evolutionary computation problems. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 542–553. Budapest: Springer Verlag.

[54] Hong CF, Yang HF, Wang LH, Lin MH, Yang PW, Lin GS. 2006 Creating chance by new interactive evolutionary computation: Bipartite graph based interactive genetic algorithm. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 554–564. Budapest: Springer Verlag.

[55] Hsu FC, Hung MH. 2006 Practically applying interactive genetic algorithms to customers' designs on a customizable C2C framework: Entrusting select operations to IGA users. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 575–585. Budapest: Springer Verlag.

[56] Brintrup AM, Takagi H, Ramsden J. 2006 Evaluation of sequential, multi-objective, and parallel interactive genetic algorithms for multi-objective floor plan optimisation. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 586–598. Budapest: Springer Verlag.

[57] Collomosse JP. 2006 Supervised genetic search for parameter selection in painterly rendering. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 599–610. Budapest: Springer Verlag.

[58] Greenfield G. 2006 Robot paintings evolved using simulated robots. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 611–621. Budapest: Springer Verlag.

[59] Urbano P. 2006 Consensual paintings. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 622–632. Budapest: Springer Verlag.

[60] Basa T, Go CA, Yoo KS, Lee WH. 2006 Using physiological signals to evolve art. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 633–641. Budapest: Springer Verlag.

[61] Campolongo G, Vena S. 2006 Science of networks and music: A new approach on musical analysis and creation. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 642–651. Budapest: Springer Verlag.

[62] Bown O, Lexer S. 2006 Continuous-time recurrent neural networks for generative and interactive musical performance. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 652–663. Budapest: Springer Verlag.

[63] Gounaropoulos A, Johnson CG. 2006 Synthesising timbres and timbre-changes from adjectives/adverbs. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 664–675. Budapest: Springer Verlag.

[64] Hazan A, Ramirez R, Maestre E, Perez A, Pertusa A. 2006 Modelling expressive performance: a regression tree approach based on strongly typed genetic programming. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 676–687. Budapest: Springer Verlag.

[65] Magnus C. 2006 Evolutionary musique concrète. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 688–695. Budapest: Springer Verlag.

[66] Martins JM, Miranda ER. 2006 A connectionist architecture for the evolution of rhythms. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 696–706. Budapest: Springer Verlag.

[67] Henriques NAC, Correia N, Manzolli J, Correia L, Chambel T. 2006 Moviegene: Evolutionary video production based on genetic algorithms and cinematic properties. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 707–711. Budapest: Springer Verlag.

[68] Hochreiter R. 2006 Audible convergence for optimal base melody extension with statistical genre-specific interval distance evaluation. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 712–716. Budapest: Springer Verlag.

[69] Khalifa Y, Foster R. 2006 A two-stage autonomous evolutionary music composer. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 717–721. Budapest: Springer Verlag.

[70] Santarosa R, Moroni A, Manzolli J. 2006 Layered genetical algorithms evolving into musical accompaniment generation. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 722–726. Budapest: Springer Verlag.

[71] Basseur M, Zitzler E. 2006 A preliminary study on handling uncertainty in indicator-based multiobjective optimization. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 727–739. Budapest: Springer Verlag.

[72] Sastry K, Winward P, Goldberg DE, Lima C. 2006 Fluctuating crosstalk as a source of deterministic noise and its effects on GA scalability. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 740–751. Budapest: Springer Verlag.

[73] Schmidt C, Branke J, Chick SE. 2006 Integrating techniques from statistical ranking into evolutionary algorithms. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 752–763. Budapest: Springer Verlag.

[74] Branke J, Orbayı M, Şima Uyar. 2006 The role of representations in dynamic knapsack problems. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 764–775. Budapest: Springer Verlag.

[75] Rand W, Riolo R. 2006 The effect of building block construction on the behavior of the GA in dynamic environments: A case study using the shaky ladder hyperplane-defined functions. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 776–787. Budapest: Springer Verlag.

[76] Yang S. 2006 Associative memory scheme for genetic algorithms in dynamic environments. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 788–799. Budapest: Springer Verlag.

[77] Kobliha M, Schwarz J, Očenášek J. 2006 Bayesian optimization algorithms for dynamic problems. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC*, vol. 3907 of *LNCS*, pp. 800–804. Budapest: Springer Verlag.

[78] Neri F, Cascella GL, Salvatore N, Kononova AV, Acciani G. 2006 Prudent-daring vs tolerant survivor selection schemes in control design of electric drives. In: Rothlauf F, Branke J, Cagnoni S, Costa E, Cotta C, Drechsler R, Lutton E, Machado P, Moore JH, Romero J, *et al.* (eds.), *Applications of Evolutionary Computing, EvoWorkshops2006: EvoBIO, EvoCOMNET, EvoHOT,*

EvoIASP, EvoInteraction, EvoMUSART, EvoSTOC, vol. 3907 of *LNCS*, pp. 805–810. Budapest: Springer Verlag.