Список литературы

[1] AGOGINO, A. and TUMER, K., Efficient evaluation functions for multi-rover systems, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1–11, Seattle, WA, USA, 2004, Springer-Verlag.

[2] BRABAZON, A., SILVA, A., DE SOUSA, T. F., O'NEILL, M., MATTHEWS, R., et al., A particle swarm model of organizational adaptation, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 12–23, Seattle, WA, USA, 2004, Springer-Verlag.

[3] BUI, T. N. and RIZZO, J. R., Finding maximum cliques with distributed ants, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 24–35, Seattle, WA, USA, 2004, Springer-Verlag.

[4] BUI, T. N. and SUNDARRAJ, G., Ant system for the k-cardinality tree problem, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 36–47, Seattle, WA, USA, 2004, Springer-Verlag.

[5] CHITTY, D. M. and HERNANDEZ, M. L., A hybrid ant colony optimisation technique for dynamic vehicle routing, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 48–59, Seattle, WA, USA, 2004, Springer-Verlag.

[6] CORNFORTH, D. and KIRLEY, M., Cooperative problem solving using an agent-based market, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 60–71, Seattle, WA, USA, 2004, Springer-Verlag.

[7] CURRAN, D. and O'RIORDAN, C., Cultural evolution for sequential decision tasks: Evolving tic-tac-toe players in multi-agent systems, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 72–80, Seattle, WA, USA, 2004, Springer-Verlag.

[8] DOWNING, K. L., Artificial life and natural intelligence, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 81–92, Seattle, WA, USA, 2004, Springer-Verlag.

[9] KOWALIW, T., GROGONO, P., and KHARMA, N., Bluenome: A novel developmental model of artificial morphogenesis, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 93–104, Seattle, WA, USA, 2004, Springer-Verlag.

[10] LI, X., Adaptively choosing neighbourhood bests using species in a particle swarm optimizer for multimodal function optimization, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 105–116, Seattle, WA, USA, 2004, Springer-Verlag.

[11] LI, X., Better spread and convergence: Particle swarm multiobjective optimization using the maximin fitness function, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 117–128, Seattle, WA, USA, 2004, Springer-Verlag.

[12] MILLER, J. F., Evolving a self-repairing, self-regulating, french flag organism, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 129–139, Seattle, WA, USA, 2004, Springer-Verlag.

[13] MONSON, C. K. and SEPPI, K. D., The kalman swarm: A new approach to particle motion in swarm optimization, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 140–150, Seattle, WA, USA, 2004, Springer-Verlag.

[14] NAKANO, T. and SUDA, T., Adaptive and evolvable network services, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 151–162, Seattle, WA, USA, 2004, Springer-Verlag.

[15] O'NEILL, M. and BRABAZON, A., Grammatical swarm, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 163–174, Seattle, WA, USA, 2004, Springer-Verlag.

[16] SAPIN, E., BAILLEUX, O., CHABRIER, J.-J., and COLLET, P., A new universal cellular automaton discovered by evolutionary algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 175–187, Seattle, WA, USA, 2004, Springer-Verlag.

[17] SEMET, Y., O'REILLY, U.-M., and DURAND, F., An interactive artificial ant approach to non-photorealistic rendering, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 188–200, Seattle, WA, USA, 2004, Springer-Verlag.

[18] TALBOTT, W. A., Automatic creation of team-control plans using an assignment branch in genetic programming, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 201–212, Seattle, WA, USA, 2004, Springer-Verlag.

[19] TANEV, I. and YUTA, K., Implications of epigenetic learning via modification of histones on performance of genetic programming, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 213–224, Seattle, WA, USA, 2004, Springer-Verlag.

[20] PULIDO, G. T. and COELLO, C. A. C., Using clustering techniques to improve the performance of a multi-objective particle swarm optimizer, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 225–237, Seattle, WA, USA, 2004, Springer-Verlag.

[21] XIE, X.-F. and ZHANG, W.-J., Swaf: Swarm algorithm framework for numerical optimization, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 238–250, Seattle, WA, USA, 2004, Springer-Verlag.

[22] BERRO, A. and SANCHEZ, S., Autonomous agent for multi-objective optimization, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 251–252, Seattle, WA, USA, 2004, Springer-Verlag.

[23] CHITTY, D. M., An evolved autonomous controller for satellite task scheduling, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 253–254, Seattle, WA, USA, 2004, Springer-Verlag.

[24] DIGNUM, S. and POLI, R., Multi-agent foreign exchange market modelling via gp, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 255–256, Seattle, WA, USA, 2004, Springer-Verlag.

[25] DREWES, R., MACIOKAS, J., LOUIS, S. J., and GOODMAN, P., An evolutionary autonomous agent with visual cortex and recurrent spiking columnar neural network, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 257–258, Seattle, WA, USA, 2004, Springer-Verlag.

[26] GÓMEZ, O. and BARÁN, B., Arguments for aco's success, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 259–260, Seattle, WA, USA, 2004, Springer-Verlag.

[27] XIE, X.-F. and ZHANG, W.-J., Solving engineering design problems by social cognitive optimization, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 261–262, Seattle, WA, USA, 2004, Springer-Verlag.

[28] DOZIER, G., BROWN, D., HURLEY, J., and CAIN, K., Vulnerability analysis of immunity-based intrusion detection systems using evolutionary hackers, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 263–274, Seattle, WA, USA, 2004, Springer-Verlag.

[29] HANG, X. and DAI, H., Constructing detectors in schema complementary space for anomaly detection, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 275–286, Seattle, WA, USA, 2004, Springer-Verlag.

[30] JI, Z. and DASGUPTA, D., Real-valued negative selection algorithm with variable-sized detectors, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 287–298, Seattle, WA, USA, 2004, Springer-Verlag.

[31] STIBOR, T., BAYAROU, K. M., and ECKERT, C., An investigation of r-chunk detector generation on higher alphabets, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 299–307, Seattle, WA, USA, 2004, Springer-Verlag.

[32] TIMMIS, J. and EDMONDS, C., A comment on opt-ainet: An immune network algorithm for optimisation, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 308–317, Seattle, WA, USA, 2004, Springer-Verlag.

[33] QIANG QI, Z., MIN SONG, S., HUA YANG, Z., DA HU, G., and EN ZHANG, F., A novel immune feedback control algorithm and its applications, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 318–320, Seattle, WA, USA, 2004, Springer-Verlag.

[34] BELDA, I., LLORÀ, X., MARTINELL, M., TARRAGÓ, T., and GIRALT, E., Computer-aided peptide evolution for virtual drug design, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 321–332, Seattle, WA, USA, 2004, Springer-Verlag.

[35] BONGARD, J. C. and LIPSON, H., Automating genetic network inference with minimal physical experimentation using coevolution, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 333–345, Seattle, WA, USA, 2004, Springer-Verlag.

[36] KIM, Y.-H., LEE, S.-Y., and MOON, B.-R., A genetic approach for gene selection on microarray expression data, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 346–355, Seattle, WA, USA, 2004, Springer-Verlag.

[37] KODURU, P., DAS, S., WELCH, S., and ROE, J. L., Fuzzy dominance based multi-objective ga-simplex hybrid algorithms applied to gene network models, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 356–367, Seattle, WA, USA, 2004, Springer-Verlag.

[38] DE MAGALHÄES, C. S., BARBOSA, H. J., and DARDENNE, L. E., Selection-insertion schemes in genetic algorithms for the flexible ligand docking problem, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 368–379, Seattle, WA, USA, 2004, Springer-Verlag.

[39] MAURI, G., MOSCA, R., and PAVESI, G., A ga approach to the definition of regulatory signals in genomic sequences, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 380–391, Seattle, WA, USA, 2004, Springer-Verlag.

[40] MOORE, J. H. and HAHN, L. W., Systems biology modeling in human genetics using petri nets and grammatical evolution, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 392–401, Seattle, WA, USA, 2004, Springer-Verlag.

[41] PARSOPOULOS, K., PAPAGEORGIOU, E., GROUMPOS, P., and VRAHATIS, M., Evolutionary computation techniques for optimizing fuzzy cognitive maps in radiation therapy systems, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 402–413, Seattle, WA, USA, 2004, Springer-Verlag.

[42] PAUL, T. K. and IBA, H., Identification of informative genes for molecular classification using probabilistic model building genetic algorithm, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 414–425, Seattle, WA, USA, 2004, Springer-Verlag.

[43] PETERSON, M. R., DOOM, T. E., and RAYMER, M. L., Ga-facilitated knowledge discovery and pattern recognition optimization applied to the biochemistry of protein solvation, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 426–437, Seattle, WA, USA, 2004, Springer-Verlag.

[44] RITCHIE, M. D., COFFEY, C. S., and MOORE, J. H., Genetic programming neural networks as a bioinformatics tool for human genetics, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 438–448, Seattle, WA, USA, 2004, Springer-Verlag.

[45] SHENEMAN, L. and FOSTER, J. A., Evolving better multiple sequence alignments, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 449–460, Seattle, WA, USA, 2004, Springer-Verlag.

[46] SPIETH, C., STREICHERT, F., SPEER, N., and ZELL, A., Optimizing topology and parameters of gene regulatory network models from time-series experiments, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 461–470, Seattle, WA, USA, 2004, Springer-Verlag.

[47] STREICHERT, F., PLANATSCHER, H., SPIETH, C., ULMER, H., and ZELL, A., Comparing genetic programming and evolution strategies on inferring gene regulatory networks, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 471–480, Seattle, WA, USA, 2004, Springer-Verlag.

[48] YANG, J.-M., SHEN, T.-W., CHEN, Y.-F., and CHIU, Y.-Y., An evolutionary approach with pharmacophore-based scoring functions for virtual database screening, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 481–492, Seattle, WA, USA, 2004, Springer-Verlag.

[49] AGUILAR-RUIZ, J. S., MATEOS, D., GIRALDEZ, R., and RIQUELME, J. C., Statistical test-based evolutionary segmentation of yeast genome, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 493–494, Seattle, WA, USA, 2004, Springer-Verlag.

[50] BUEHLER, E. C., DAS, S., and CULLY, J. F., Equilibrium and extinction in a trisexual diploid mating system: An investigation, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 495–496, Seattle, WA, USA, 2004, Springer-Verlag.

[51] BURNS, D. J. and MAY, K. T., On parameterizing models of antigen-antibody binding dynamics on surfaces: A genetic algorithm approach and the need for speed, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 497–498, Seattle, WA, USA, 2004, Springer-Verlag.

[52] JUST, W. and SUN, X., Is the predicted ess in the sequential assessment game evolvable?, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 499–500, Seattle, WA, USA, 2004, Springer-Verlag.

[53] BUCCI, A., POLLACK, J. B., and DE JONG, E., Automated extraction of problem structure, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 501–512, Seattle, WA, USA, 2004, Springer-Verlag.

[54] CHANG, M., OHKURA, K., UEDA, K., and SUGIYAMA, M., Modeling coevolutionary genetic algorithms on two-bit landscapes: Random partnering, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 513–524, Seattle, WA, USA, 2004, Springer-Verlag.

[55] DE JONG, E. D., The incremental pareto-coevolution archive, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 525–536, Seattle, WA, USA, 2004, Springer-Verlag.

[56] IORIO, A. W. and LI, X., A cooperative coevolutionary multiobjective algorithm using non-dominated sorting, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 537–548, Seattle, WA, USA, 2004, Springer-Verlag.

[57] LIEKENS, A. M., TEN EIKELDER, H. M., and HILBERS, P. A., Predicting genetic drift in 2x2 games, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 549–560, Seattle, WA, USA, 2004, Springer-Verlag.

[58] PALACIOS-DURAZO, R. A. and VALENZUELA-RENDÓN, M., Similarities between co-evolution and learning classifier systems and their applications, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 561–572, Seattle, WA, USA, 2004, Springer-Verlag.

[59] PANAIT, L., WIEGAND, R. P., and LUKE, S., A sensitivity analysis of a cooperative coevolutionary algorithm biased for optimization, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 573–584, Seattle, WA, USA, 2004, Springer-Verlag.

[60] BADER-NATAL, A. and POLLACK, J. B., A population-differential method of monitoring success and failure in coevolution, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 585–586, Seattle, WA, USA, 2004, Springer-Verlag.

[61] NADIMI, S. and BHANU, B., Cooperative coevolution fusion for moving object detection, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 587–589, Seattle, WA, USA, 2004, Springer-Verlag.

[62] INOUE, Y., TOHGE, T., and IBA, H., Learning to acquire autonomous behavior: Cooperation by humanoid robots, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 590–602, Seattle, WA, USA, 2004, Springer-Verlag.

[63] PAINE, R. W. and TANI, J., Evolved motor primitives and sequences in a hierarchical recurrent neural network, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 603–614, Seattle, WA, USA, 2004, Springer-Verlag.

[64] PIRES, E. S., MACHADO, J. T., and DE MOURA OLIVEIRA, P., Robot trajectory planning using multi-objective genetic algorithm optimization, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 615–626, Seattle, WA, USA, 2004, Springer-Verlag.

[65] TANEV, I., RAY, T., and BULLER, A., Evolution, robustness, and adaptation of sidewinding locomotion of simulated snake-like robot, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 627–639, Seattle, WA, USA, 2004, Springer-Verlag.

[66] MANIADAKIS, M. and TRAHANIAS, P., Evolution tunes coevolution: Modelling robot cognition mechanisms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 640–641, Seattle, WA, USA, 2004, Springer-Verlag.

[67] ALBRECHT, A. A., On the complexity to approach optimum solutions by inhomogeneous markov chains, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 642–653, Seattle, WA, USA, 2004, Springer-Verlag.

[68] BEYER, H.-G., Actuator noise in recombinant evolution strategies on general quadratic fitness models, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 654–665, Seattle, WA, USA, 2004, Springer-Verlag.

[69] CLEVENGER, L. M. and HART, W. E., Convergence examples of a filter-based evolutionary algorithm, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 666–677, Seattle, WA, USA, 2004, Springer-Verlag.

[70] DELBEM, A., DE CARVALHO, A., POLICASTRO, C. A., PINTO, A. K., HONDA, K., et al., Node-depth encoding for evolutionary algorithms applied to network design, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 678–687, Seattle, WA, USA, 2004, Springer-Verlag.

[71] JIN, Y. and SENDHOFF, B., Reducing fitness evaluations using clustering techniques and neural network ensembles, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 688–699, Seattle, WA, USA, 2004, Springer-Verlag.

[72] MEZURA-MONTES, E. and COELLO, C. A. C., An improved diversity mechanism for solving constrained optimization problems using a multimembered evolution strategy, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 700–712, Seattle, WA, USA, 2004, Springer-Verlag.

[73] NEUMANN, F. and WEGENER, I., Randomized local search, evolutionary algorithms, and the minimum spanning tree problem, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 713–724, Seattle, WA, USA, 2004, Springer-Verlag.

[74] ROWE, J. E. and ZENA HIDOVIĆ, D., An evolution strategy using a continuous version of the gray-code neighbourhood distribution, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 725–736, Seattle, WA, USA, 2004, Springer-Verlag.

[75] SHU, L.-S., HO, S.-J., HO, S.-Y., CHEN, J.-H., and HUNG, M.-H., A novel multi-objective orthogonal simulated annealing algorithm for solving multi-objective optimization problems with a large number of parameters, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 737–747, Seattle, WA, USA, 2004, Springer-Verlag.

[76] STORCH, T., On the choice of the population size, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 748–760, Seattle, WA, USA, 2004, Springer-Verlag.

[77] WITT, C., An analysis of the (1+1) ea on simple pseudo-boolean functions, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 761–773, Seattle, WA, USA, 2004, Springer-Verlag.

[78] YANAI, K. and IBA, H., Program evolution by integrating edp and gp, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 774–785, Seattle, WA, USA, 2004, Springer-Verlag.

[79] BERLIK, S., A step size preserving directed mutation operator, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 786–787, Seattle, WA, USA, 2004, Springer-Verlag.

[80] GROSAN, C., A comparison of several algorithms and representations for single objective optimization, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 788–789, Seattle, WA, USA, 2004, Springer-Verlag.

[81] JAKOB, W., BLUME, C., and BRETTHAUER, G., Towards a generally applicable self-adapting hybridization of evolutionary algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 790–791, Seattle, WA, USA, 2004, Springer-Verlag.

[82] KEYMEULEN, D., ZEBULUM, R., DUONG, V., GUO, X., FERGUSON, I., et al., High temperature experiments for circuit self-recovery, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 792–803, Seattle, WA, USA, 2004, Springer-Verlag.

[83] RIEFFEL, J. and POLLACK, J., The emergence of ontogenic scaffolding in a stochastic development environment, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 804–815, Seattle, WA, USA, 2004, Springer-Verlag.

[84] THOMA, Y. and SANCHEZ, E., A reconfigurable chip for evolvable hardware, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 816–827, Seattle, WA, USA, 2004, Springer-Verlag.

[85] AGUILAR-RUIZ, J., BACARDIT, J., and DIVINA, F., Experimental evaluation of discretization schemes for rule induction, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 828–839, Seattle, WA, USA, 2004, Springer-Verlag.

[86] AHN, C. W., RAMAKRISHNA, R., and GOLDBERG, D. E., Real-coded bayesian optimization algorithm: Bringing the strength of boa into the continuous world, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 840–851, Seattle, WA, USA, 2004, Springer-Verlag.

[87] ALBA, E. and CHICANO, J. F., Training neural networks with ga hybrid algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 852–863, Seattle, WA, USA, 2004, Springer-Verlag.

[88] ALBA, E. and LUQUE, G., Growth curves and takeover time in distributed evolutionary algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 864–876, Seattle, WA, USA, 2004, Springer-Verlag.

[89] APORNTEWAN, C. and CHONGSTITVATANA, P., Simultaneity matrix for solving hierarchically decomposable functions, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 877–888, Seattle, WA, USA, 2004, Springer-Verlag.

[90] ARAUJO, L., LUQUE, G., and ALBA, E., Metaheuristics for natural language tagging, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 889–900, Seattle, WA, USA, 2004, Springer-Verlag.

[91] BALLESTER, P. J. and CARTER, J. N., An effective real-parameter genetic algorithm with parent centric normal crossover for multimodal optimisation, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 901–913, Seattle, WA, USA, 2004, Springer-Verlag.

[92] BASSETT, J. K., POTTER, M. A., and JONG, K. A. D., Looking under the ea hood with price's equation, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 914–922, Seattle, WA, USA, 2004, Springer-Verlag.

[93] BRANKE, J., KAMPER, A., and SCHMECK, H., Distribution of evolutionary algorithms in heterogeneous networks, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 923–934, Seattle, WA, USA, 2004, Springer-Verlag.

[94] BUYUKBOZKIRLI, B. and GOODMAN, E. D., A statistical model of ga dynamics for the onemax problem, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 935–946, Seattle, WA, USA, 2004, Springer-Verlag.

[95] CANTÚ-PAZ, E., Adaptive sampling for noisy problems, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 947–958, Seattle, WA, USA, 2004, Springer-Verlag.

[96] CANTÚ-PAZ, E., Feature subset selection, class separability, and genetic algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 959–970, Seattle, WA, USA, 2004, Springer-Verlag.

[97] PING CHEN, Y. and GOLDBERG, D. E., Introducing subchromosome representations to the linkage learning genetic algorithm, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 971–982, Seattle, WA, USA, 2004, Springer-Verlag.

[98] CHENG, C. D. and KOSORUKOFF, A., Interactive one-max problem allows to compare the performance of interactive and human-based genetic algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 983–993, Seattle, WA, USA, 2004, Springer-Verlag.

[99] CHOI, S.-S. and MOON, B.-R., Polynomial approximation of survival probabilities under multi-point crossover, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 994–1005, Seattle, WA, USA, 2004, Springer-Verlag.

[100] CHOW, R., Genotype to phenotype mappings with a multiple-chromosome genetic algorithm, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1006–1017, Seattle, WA, USA, 2004, Springer-Verlag.

[101] CHRYSSOMALAKOS, C. and STEPHENS, C. R., What basis for genetic dynamics?, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1018–1029, Seattle, WA, USA, 2004, Springer-Verlag.

[102] DE JONG, E. D. and THIERENS, D., Exploiting modularity, hierarchy, and repetition in variable-length problems, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1030–1041, Seattle, WA, USA, 2004, Springer-Verlag.

[103] DEB, K. and GUPTA, N. K., Optimal operating conditions for overhead crane maneuvering using multi-objective evolutionary algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1042–1053, Seattle, WA, USA, 2004, Springer-Verlag.

[104] DEB, K. and PAL, K., Efficiently solving: A large-scale integer linear program using a customized genetic algorithm, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1054–1065, Seattle, WA, USA, 2004, Springer-Verlag.

[105] DICKE, E., BYDE, A., LAYZELL, P., and CLIFF, D., Using a genetic algorithm to design and improve storage area network architectures, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1066–1077, Seattle, WA, USA, 2004, Springer-Verlag.

[106] DOZIER, G., CUNNINGHAM, H., BRITT, W., and ZHANG, F., Distributed constraint satisfaction, restricted recombination, and hybrid genetic search, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1078–1087, Seattle, WA, USA, 2004, Springer-Verlag.

[107] DROSTE, S., Analysis of the $(1 + 1)$ ea for a noisy onemax, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1088–1099, Seattle, WA, USA, 2004, Springer-Verlag.

[108] FISCHER, S., A polynomial upper bound for a mutation-based algorithm on the two-dimensional ising model, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1100–1112, Seattle, WA, USA, 2004, Springer-Verlag.

[109] FISCHER, S. and WEGENER, I., The ising model on the ring: Mutation versus recombination, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1113–1124, Seattle, WA, USA, 2004, Springer-Verlag.

[110] GARIBAY, I. I., GARIBAY, O. O., and WU, A. S., Effects of module encapsulation in repetitively modular genotypes on the search space, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1125–1137, Seattle, WA, USA, 2004, Springer-Verlag.

[111] GIACOBINI, M., ALBA, E., TETTAMANZI, A., and TOMASSINI, M., Modeling selection intensity for toroidal cellular evolutionary algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1138–1149, Seattle, WA, USA, 2004, Springer-Verlag.

[112] GOMEZ, J., Evolution of fuzzy rule based classifiers, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1150–1161, Seattle, WA, USA, 2004, Springer-Verlag.

[113] GOMEZ, J., Self adaptation of operator rates in evolutionary algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1162–1173, Seattle, WA, USA, 2004, Springer-Verlag.

[114] GRAHL, J. and ROTHLAUF, F., Polyeda: Combining estimation of distribution algorithms and linear inequality constraints, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1174–1185, Seattle, WA, USA, 2004, Springer-Verlag.

[115] GRAJDEANU, A. and JONG, K. D., Improving the locality properties of binary representations, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1186–1196, Seattle, WA, USA, 2004, Springer-Verlag.

[116] GREENE, W. A., Schema disruption in chromosomes that are structured as binary trees, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1197–1207, Seattle, WA, USA, 2004, Springer-Verlag.

[117] HOWARD, B. and SHEPPARD, J., The royal road not taken: A re-examination of the reasons for ga failure on r1, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1208–1219, Seattle, WA, USA, 2004, Springer-Verlag.

[118] HU, J. and GOODMAN, E., Robust and efficient genetic algorithms with hierarchical niching and a sustainable evolutionary computation model, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1220–1232, Seattle, WA, USA, 2004, Springer-Verlag.

[119] HUANG, C.-F. and ROCHA, L. M., A systematic study of genetic algorithms with genotype editing, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1233–1245, Seattle, WA, USA, 2004, Springer-Verlag.

[120] ISHIBUCHI, H. and NARUKAWA, K., Some issues on the implementation of local search in evolutionary multiobjective optimization, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1246–1258, Seattle, WA, USA, 2004, Springer-Verlag.

[121] ISHIBUCHI, H. and SHIBATA, Y., Mating scheme for controlling the diversity-convergence balance for multiobjective optimization, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1259–1271, Seattle, WA, USA, 2004, Springer-Verlag.

[122] JULSTROM, B. A., Encoding bounded-diameter spanning trees with permutations and with random keys, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1272–1281, Seattle, WA, USA, 2004, Springer-Verlag.

[123] JULSTROM, B. A. and ANTONIADES, A., Three evolutionary codings of rectilinear steiner arborescences, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1282–1291, Seattle, WA, USA, 2004, Springer-Verlag.

[124] JUNG, S. and MOON, B.-R., Central point crossover for neuro-genetic hybrids, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1292–1303, Seattle, WA, USA, 2004, Springer-Verlag.

[125] KLAU, G. W., LJUBIC, I., MOSER, A., MUTZEL, P., NEUNER, P., et al., Combining a memetic algorithm with integer programming to solve the prize-collecting steiner tree problem, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1304–1315, Seattle, WA, USA, 2004, Springer-Verlag.

[126] LANGEHEINE, J., TREFZER, M., BRÜDERLE, D., MEIER, K., and SCHEMMEL, J., On the evolution of analog electronic circuits using building blocks on a cmos fpta, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1316–1327, Seattle, WA, USA, 2004, Springer-Verlag.

[127] LIMA, C. F. and LOBO, F. G., Parameter-less optimization with the extended compact genetic algorithm and iterated local search, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1328–1339, Seattle, WA, USA, 2004, Springer-Verlag.

[128] LUNACEK, M., WHITLEY, D., GABRIEL, P., and STEPHENS, G., Comparing search algorithms for the temperature inversion problem, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1340–1351, Seattle, WA, USA, 2004, Springer-Verlag.

[129] MENON, A., Inequality's arrow: The role of greed and order in genetic algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1352–1364, Seattle, WA, USA, 2004, Springer-Verlag.

[130] MILES, C., LOUIS, S. J., and DREWES, R., Trap avoidance in strategic computer game playing with case injected genetic algorithms, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1365–1376, Seattle, WA, USA, 2004, Springer-Verlag.

[131] MORAGLIO, A. and POLI, R., Topological interpretation of crossover, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1377–1388, Seattle, WA, USA, 2004, Springer-Verlag.

[132] MUMFORD, C. L., Simple population replacement strategies for a steady-state multi-objective evolutionary algorithm, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1389–1400, Seattle, WA, USA, 2004, Springer-Verlag.

[133] NASRAOUI, O., ROJAS, C., and CARDONA, C., Dynamic and scalable evolutionary data mining: An approach based on a self-adaptive multiple expression mechanism, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1401–1413, Seattle, WA, USA, 2004, Springer-Verlag.

[134] NICOLAU, M. and RYAN, C., Crossover, population dynamics, and convergence in the gauge system, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1414–1425, Seattle, WA, USA, 2004, Springer-Verlag.

[135] OHNISHI, K., SASTRY, K., CHEN, Y.-P., and GOLDBERG, D. E., Inducing sequentiality using grammatical genetic codes, in DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., et al., editors, *Genetic and Evolutionary Computation – GECCO-2004, Part I*, volume 3102 of *Lecture Notes in Computer Science*, pp. 1426–1437, Seattle, WA, USA, 2004, Springer-Verlag.