## Список литературы

- [1] Agogino A, Tumer K. 2004 Efficient evaluation functions for multi-rover systems. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1–11. Seattle, WA, USA: Springer-Verlag.
- [2] Brabazon A, Silva A, de Sousa TF, O'Neill M, Matthews R, Costa E. 2004 A particle swarm model of organizational adaptation. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 12–23. Seattle, WA, USA: Springer-Verlag.
- [3] Bui TN, Rizzo JR. 2004 Finding maximum cliques with distributed ants. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 24–35. Seattle, WA, USA: Springer-Verlag.
- [4] Bui TN, Sundarraj G. 2004 Ant system for the k-cardinality tree problem. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 36–47. Seattle, WA, USA: Springer-Verlag.
- [5] Chitty DM, Hernandez ML. 2004 A hybrid ant colony optimisation technique for dynamic vehicle routing. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 48–59. Seattle, WA, USA: Springer-Verlag.
- [6] Cornforth D, Kirley M. 2004 Cooperative problem solving using an agent-based market. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 60–71. Seattle, WA, USA: Springer-Verlag.
- [7] Curran D, O'Riordan C. 2004 Cultural evolution for sequential decision tasks: Evolving tictac-toe players in multi-agent systems. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 72–80. Seattle, WA, USA: Springer-Verlag.
- [8] Downing KL. 2004 Artificial life and natural intelligence. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 81–92. Seattle, WA, USA: Springer-Verlag.
- [9] Kowaliw T, Grogono P, Kharma N. 2004 Bluenome: A novel developmental model of artificial morphogenesis. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 93–104. Seattle, WA, USA: Springer-Verlag.
- [10] Li X. 2004 Adaptively choosing neighbourhood bests using species in a particle swarm optimizer for multimodal function optimization. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 105– 116. Seattle, WA, USA: Springer-Verlag.
- [11] Li X. 2004 Better spread and convergence: Particle swarm multiobjective optimization using the maximin fitness function. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 117– 128. Seattle, WA, USA: Springer-Verlag.

- [12] Miller JF. 2004 Evolving a self-repairing, self-regulating, french flag organism. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 129–139. Seattle, WA, USA: Springer-Verlag.
- [13] Monson CK, Seppi KD. 2004 The kalman swarm: A new approach to particle motion in swarm optimization. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 140–150. Seattle, WA, USA: Springer-Verlag.
- [14] Nakano T, Suda T. 2004 Adaptive and evolvable network services. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 151–162. Seattle, WA, USA: Springer-Verlag.
- [15] O'Neill M, Brabazon A. 2004 Grammatical swarm. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 163–174. Seattle, WA, USA: Springer-Verlag.
- [16] Sapin E, Bailleux O, Chabrier JJ, Collet P. 2004 A new universal cellular automaton discovered by evolutionary algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 175–187. Seattle, WA, USA: Springer-Verlag.
- [17] Semet Y, O'Reilly UM, Durand F. 2004 An interactive artificial ant approach to non-photorealistic rendering. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 188–200. Seattle, WA, USA: Springer-Verlag.
- [18] Talbott WA. 2004 Automatic creation of team-control plans using an assignment branch in genetic programming. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 201–212. Seattle, WA, USA: Springer-Verlag.
- [19] Tanev I, Yuta K. 2004 Implications of epigenetic learning via modification of histones on performance of genetic programming. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 213– 224. Seattle, WA, USA: Springer-Verlag.
- [20] Pulido GT, Coello CAC. 2004 Using clustering techniques to improve the performance of a multi-objective particle swarm optimizer. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 225– 237. Seattle, WA, USA: Springer-Verlag.
- [21] Xie XF, Zhang WJ. 2004 Swaf: Swarm algorithm framework for numerical optimization. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 238–250. Seattle, WA, USA: Springer-Verlag.
- [22] Berro A, Sanchez S. 2004 Autonomous agent for multi-objective optimization. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 251–252. Seattle, WA, USA: Springer-Verlag.

- [23] Chitty DM. 2004 An evolved autonomous controller for satellite task scheduling. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 253–254. Seattle, WA, USA: Springer-Verlag.
- [24] Dignum S, Poli R. 2004 Multi-agent foreign exchange market modelling via gp. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 255–256. Seattle, WA, USA: Springer-Verlag.
- [25] Drewes R, Maciokas J, Louis SJ, Goodman P. 2004 An evolutionary autonomous agent with visual cortex and recurrent spiking columnar neural network. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 257–258. Seattle, WA, USA: Springer-Verlag.
- [26] Gómez O, Barán B. 2004 Arguments for aco's success. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 259–260. Seattle, WA, USA: Springer-Verlag.
- [27] Xie XF, Zhang WJ. 2004 Solving engineering design problems by social cognitive optimization. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 261–262. Seattle, WA, USA: Springer-Verlag.
- [28] Dozier G, Brown D, Hurley J, Cain K. 2004 Vulnerability analysis of immunity-based intrusion detection systems using evolutionary hackers. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 263–274. Seattle, WA, USA: Springer-Verlag.
- [29] Hang X, Dai H. 2004 Constructing detectors in schema complementary space for anomaly detection. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 275–286. Seattle, WA, USA: Springer-Verlag.
- [30] Ji Z, Dasgupta D. 2004 Real-valued negative selection algorithm with variable-sized detectors. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 287–298. Seattle, WA, USA: Springer-Verlag.
- [31] Stibor T, Bayarou KM, Eckert C. 2004 An investigation of r-chunk detector generation on higher alphabets. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 299–307. Seattle, WA, USA: Springer-Verlag.
- [32] Timmis J, Edmonds C. 2004 A comment on opt-ainet: An immune network algorithm for optimisation. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 308–317. Seattle, WA, USA: Springer-Verlag.
- [33] qiang Qi Z, min Song S, hua Yang Z, da Hu G, en Zhang F. 2004 A novel immune feedback control algorithm and its applications. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 318–320. Seattle, WA, USA: Springer-Verlag.

- [34] Belda I, Llorà X, Martinell M, Tarragó T, Giralt E. 2004 Computer-aided peptide evolution for virtual drug design. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 321–332. Seattle, WA, USA: Springer-Verlag.
- [35] Bongard JC, Lipson H. 2004 Automating genetic network inference with minimal physical experimentation using coevolution. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 333– 345. Seattle, WA, USA: Springer-Verlag.
- [36] Kim YH, Lee SY, Moon BR. 2004 A genetic approach for gene selection on microarray expression data. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 346–355. Seattle, WA, USA: Springer-Verlag.
- [37] Koduru P, Das S, Welch S, Roe JL. 2004 Fuzzy dominance based multi-objective ga-simplex hybrid algorithms applied to gene network models. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 356–367. Seattle, WA, USA: Springer-Verlag.
- [38] de Magalhäes CS, Barbosa HJ, Dardenne LE. 2004 Selection-insertion schemes in genetic algorithms for the flexible ligand docking problem. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 368–379. Seattle, WA, USA: Springer-Verlag.
- [39] Mauri G, Mosca R, Pavesi G. 2004 A ga approach to the definition of regulatory signals in genomic sequences. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 380–391. Seattle, WA, USA: Springer-Verlag.
- [40] Moore JH, Hahn LW. 2004 Systems biology modeling in human genetics using petri nets and grammatical evolution. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 392–401. Seattle, WA, USA: Springer-Verlag.
- [41] Parsopoulos K, Papageorgiou E, Groumpos P, Vrahatis M. 2004 Evolutionary computation techniques for optimizing fuzzy cognitive maps in radiation therapy systems. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 402–413. Seattle, WA, USA: Springer-Verlag.
- [42] Paul TK, Iba H. 2004 Identification of informative genes for molecular classification using probabilistic model building genetic algorithm. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 414–425. Seattle, WA, USA: Springer-Verlag.
- [43] Peterson MR, Doom TE, Raymer ML. 2004 Ga-facilitated knowledge discovery and pattern recognition optimization applied to the biochemistry of protein solvation. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 426–437. Seattle, WA, USA: Springer-Verlag.

- [44] Ritchie MD, Coffey CS, Moore JH. 2004 Genetic programming neural networks as a bioinformatics tool for human genetics. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 438– 448. Seattle, WA, USA: Springer-Verlag.
- [45] Sheneman L, Foster JA. 2004 Evolving better multiple sequence alignments. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 449–460. Seattle, WA, USA: Springer-Verlag.
- [46] Spieth C, Streichert F, Speer N, Zell A. 2004 Optimizing topology and parameters of gene regulatory network models from time-series experiments. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 461–470. Seattle, WA, USA: Springer-Verlag.
- [47] Streichert F, Planatscher H, Spieth C, Ulmer H, Zell A. 2004 Comparing genetic programming and evolution strategies on inferring gene regulatory networks. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 471–480. Seattle, WA, USA: Springer-Verlag.
- [48] Yang JM, Shen TW, Chen YF, Chiu YY. 2004 An evolutionary approach with pharmacophore-based scoring functions for virtual database screening. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 481–492. Seattle, WA, USA: Springer-Verlag.
- [49] Aguilar-Ruiz JS, Mateos D, Giraldez R, Riquelme JC. 2004 Statistical test-based evolutionary segmentation of yeast genome. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 493–494. Seattle, WA, USA: Springer-Verlag.
- [50] Buehler EC, Das S, Cully JF. 2004 Equilibrium and extinction in a trisexual diploid mating system: An investigation. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 495–496. Seattle, WA, USA: Springer-Verlag.
- [51] Burns DJ, May KT. 2004 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 HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 497–498. Seattle, WA, USA: Springer-Verlag.
- [52] Just W, Sun X. 2004 Is the predicted ess in the sequential assessment game evolvable? In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 499–500. Seattle, WA, USA: Springer-Verlag.
- [53] Bucci A, Pollack JB, de Jong E. 2004 Automated extraction of problem structure. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 501–512. Seattle, WA, USA: Springer-Verlag.
- [54] Chang M, Ohkura K, Ueda K, Sugiyama M. 2004 Modeling coevolutionary genetic algorithms on two-bit landscapes: Random partnering. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary

- Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 513–524. Seattle, WA, USA: Springer-Verlag.
- [55] de Jong ED. 2004 The incremental pareto-coevolution archive. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 525–536. Seattle, WA, USA: Springer-Verlag.
- [56] Iorio AW, Li X. 2004 A cooperative coevolutionary multiobjective algorithm using non-dominated sorting. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 537–548. Seattle, WA, USA: Springer-Verlag.
- [57] Liekens AM, ten Eikelder HM, Hilbers PA. 2004 Predicting genetic drift in 2x2 games. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 549–560. Seattle, WA, USA: Springer-Verlag.
- [58] Palacios-Durazo RA, Valenzuela-Rendón M. 2004 Similarities between co-evolution and learning classifier systems and their applications. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 561–572. Seattle, WA, USA: Springer-Verlag.
- [59] Panait L, Wiegand RP, Luke S. 2004 A sensitivity analysis of a cooperative coevolutionary algorithm biased for optimization. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 573–584. Seattle, WA, USA: Springer-Verlag.
- [60] Bader-Natal A, Pollack JB. 2004 A population-differential method of monitoring success and failure in coevolution. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 585–586. Seattle, WA, USA: Springer-Verlag.
- [61] Nadimi S, Bhanu B. 2004 Cooperative coevolution fusion for moving object detection. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 587–589. Seattle, WA, USA: Springer-Verlag.
- [62] Inoue Y, Tohge T, Iba H. 2004 Learning to acquire autonomous behavior: Cooperation by humanoid robots. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 590–602. Seattle, WA, USA: Springer-Verlag.
- [63] Paine RW, Tani J. 2004 Evolved motor primitives and sequences in a hierarchical recurrent neural network. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 603–614. Seattle, WA, USA: Springer-Verlag.
- [64] Pires ES, Machado JT, de Moura Oliveira P. 2004 Robot trajectory planning using multiobjective genetic algorithm optimization. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 615– 626. Seattle, WA, USA: Springer-Verlag.

- [65] Tanev I, Ray T, Buller A. 2004 Evolution, robustness, and adaptation of sidewinding locomotion of simulated snake-like robot. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 627–639. Seattle, WA, USA: Springer-Verlag.
- [66] Maniadakis M, Trahanias P. 2004 Evolution tunes coevolution: Modelling robot cognition mechanisms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 640–641. Seattle, WA, USA: Springer-Verlag.
- [67] Albrecht AA. 2004 On the complexity to approach optimum solutions by inhomogeneous markov chains. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 642–653. Seattle, WA, USA: Springer-Verlag.
- [68] Beyer HG. 2004 Actuator noise in recombinant evolution strategies on general quadratic fitness models. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 654–665. Seattle, WA, USA: Springer-Verlag.
- [69] Clevenger LM, Hart WE. 2004 Convergence examples of a filter-based evolutionary algorithm. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 666–677. Seattle, WA, USA: Springer-Verlag.
- [70] Delbem A, de Carvalho A, Policastro CA, Pinto AK, Honda K, Garcia AC. 2004 Node-depth encoding for evolutionary algorithms applied to network design. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 678–687. Seattle, WA, USA: Springer-Verlag.
- [71] Jin Y, Sendhoff B. 2004 Reducing fitness evaluations using clustering techniques and neural network ensembles. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 688–699. Seattle, WA, USA: Springer-Verlag.
- [72] Mezura-Montes E, Coello CAC. 2004 An improved diversity mechanism for solving constrained optimization problems using a multimembered evolution strategy. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 700–712. Seattle, WA, USA: Springer-Verlag.
- [73] Neumann F, Wegener I. 2004 Randomized local search, evolutionary algorithms, and the minimum spanning tree problem. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 713–724. Seattle, WA, USA: Springer-Verlag.
- [74] Rowe JE, zena Hidović D. 2004 An evolution strategy using a continuous version of the gray-code neighbourhood distribution. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 725–736. Seattle, WA, USA: Springer-Verlag.

- [75] Shu LS, Ho SJ, Ho SY, Chen JH, Hung MH. 2004 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 HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 737–747. Seattle, WA, USA: Springer-Verlag.
- [76] Storch T. 2004 On the choice of the population size. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 748–760. Seattle, WA, USA: Springer-Verlag.
- [77] Witt C. 2004 An analysis of the (1+1) ea on simple pseudo-boolean functions. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 761–773. Seattle, WA, USA: Springer-Verlag.
- [78] Yanai K, Iba H. 2004 Program evolution by integrating edp and gp. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 774–785. Seattle, WA, USA: Springer-Verlag.
- [79] Berlik S. 2004 A step size preserving directed mutation operator. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 786–787. Seattle, WA, USA: Springer-Verlag.
- [80] Grosan C. 2004 A comparison of several algorithms and representations for single objective optimization. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 788–789. Seattle, WA, USA: Springer-Verlag.
- [81] Jakob W, Blume C, Bretthauer G. 2004 Towards a generally applicable self-adapting hybridization of evolutionary algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 790– 791. Seattle, WA, USA: Springer-Verlag.
- [82] Keymeulen D, Zebulum R, Duong V, Guo X, Ferguson I, Stoica A. 2004 High temperature experiments for circuit self-recovery. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 792–803. Seattle, WA, USA: Springer-Verlag.
- [83] Rieffel J, Pollack J. 2004 The emergence of ontogenic scaffolding in a stochastic development environment. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 804–815. Seattle, WA, USA: Springer-Verlag.
- [84] Thoma Y, Sanchez E. 2004 A reconfigurable chip for evolvable hardware. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 816–827. Seattle, WA, USA: Springer-Verlag.
- [85] Aguilar-Ruiz J, Bacardit J, Divina F. 2004 Experimental evaluation of discretization schemes for rule induction. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 828–839. Seattle, WA, USA: Springer-Verlag.

- [86] Ahn CW, Ramakrishna R, Goldberg DE. 2004 Real-coded bayesian optimization algorithm: Bringing the strength of boa into the continuous world. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 840–851. Seattle, WA, USA: Springer-Verlag.
- [87] Alba E, Chicano JF. 2004 Training neural networks with ga hybrid algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 852–863. Seattle, WA, USA: Springer-Verlag.
- [88] Alba E, Luque G. 2004 Growth curves and takeover time in distributed evolutionary algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 864–876. Seattle, WA, USA: Springer-Verlag.
- [89] Aporntewan C, Chongstitvatana P. 2004 Simultaneity matrix for solving hierarchically decomposable functions. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 877–888. Seattle, WA, USA: Springer-Verlag.
- [90] Araujo L, Luque G, Alba E. 2004 Metaheuristics for natural language tagging. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 889–900. Seattle, WA, USA: Springer-Verlag.
- [91] Ballester PJ, Carter JN. 2004 An effective real-parameter genetic algorithm with parent centric normal crossover for multimodal optimisation. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 901– 913. Seattle, WA, USA: Springer-Verlag.
- [92] Bassett JK, Potter MA, Jong KAD. 2004 Looking under the ea hood with price's equation. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 914–922. Seattle, WA, USA: Springer-Verlag.
- [93] Branke J, Kamper A, Schmeck H. 2004 Distribution of evolutionary algorithms in heterogeneous networks. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 923–934. Seattle, WA, USA: Springer-Verlag.
- [94] Buyukbozkirli B, Goodman ED. 2004 A statistical model of ga dynamics for the onemax problem. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 935–946. Seattle, WA, USA: Springer-Verlag.
- [95] Cantú-Paz E. 2004 Adaptive sampling for noisy problems. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 947–958. Seattle, WA, USA: Springer-Verlag.
- [96] Cantú-Paz E. 2004 Feature subset selection, class separability, and genetic algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 959–970. Seattle, WA, USA: Springer-Verlag.

- [97] ping Chen Y, Goldberg DE. 2004 Introducing subchromosome representations to the linkage learning genetic algorithm. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 971–982. Seattle, WA, USA: Springer-Verlag.
- [98] Cheng CD, Kosorukoff A. 2004 Interactive one-max problem allows to compare the performance of interactive and human-based genetic algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 983–993. Seattle, WA, USA: Springer-Verlag.
- [99] Choi SS, Moon BR. 2004 Polynomial approximation of survival probabilities under multi-point crossover. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 994–1005. Seattle, WA, USA: Springer-Verlag.
- [100] Chow R. 2004 Genotype to phenotype mappings with a multiple-chromosome genetic algorithm. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1006–1017. Seattle, WA, USA: Springer-Verlag.
- [101] Chryssomalakos C, Stephens CR. 2004 What basis for genetic dynamics? In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1018–1029. Seattle, WA, USA: Springer-Verlag.
- [102] de Jong ED, Thierens D. 2004 Exploiting modularity, hierarchy, and repetition in variable-length problems. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1030–1041. Seattle, WA, USA: Springer-Verlag.
- [103] Deb K, Gupta NK. 2004 Optimal operating conditions for overhead crane maneuvering using multi-objective evolutionary algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1042– 1053. Seattle, WA, USA: Springer-Verlag.
- [104] Deb K, Pal K. 2004 Efficiently solving: A large-scale integer linear program using a customized genetic algorithm. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1054–1065. Seattle, WA, USA: Springer-Verlag.
- [105] Dicke E, Byde A, Layzell P, Cliff D. 2004 Using a genetic algorithm to design and improve storage area network architectures. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1066–1077. Seattle, WA, USA: Springer-Verlag.
- [106] Dozier G, Cunningham H, Britt W, Zhang F. 2004 Distributed constraint satisfaction, restricted recombination, and hybrid genetic search. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1078–1087. Seattle, WA, USA: Springer-Verlag.
- [107] Droste S. 2004 Analysis of the (1 + 1) ea for a noisy onemax. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.),

- Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1088–1099. Seattle, WA, USA: Springer-Verlag.
- [108] Fischer S. 2004 A polynomial upper bound for a mutation-based algorithm on the two-dimensional ising model. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1100–1112. Seattle, WA, USA: Springer-Verlag.
- [109] Fischer S, Wegener I. 2004 The ising model on the ring: Mutation versus recombination. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1113–1124. Seattle, WA, USA: Springer-Verlag.
- [110] Garibay II, Garibay OO, Wu AS. 2004 Effects of module encapsulation in repetitively modular genotypes on the search space. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1125–1137. Seattle, WA, USA: Springer-Verlag.
- [111] Giacobini M, Alba E, Tettamanzi A, Tomassini M. 2004 Modeling selection intensity for toroidal cellular evolutionary algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1138–1149. Seattle, WA, USA: Springer-Verlag.
- [112] Gomez J. 2004 Evolution of fuzzy rule based classifiers. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1150–1161. Seattle, WA, USA: Springer-Verlag.
- [113] Gomez J. 2004 Self adaptation of operator rates in evolutionary algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1162–1173. Seattle, WA, USA: Springer-Verlag.
- [114] Grahl J, Rothlauf F. 2004 Polyeda: Combining estimation of distribution algorithms and linear inequality constraints. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1174–1185. Seattle, WA, USA: Springer-Verlag.
- [115] Grajdeanu A, Jong KD. 2004 Improving the locality properties of binary representations. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1186–1196. Seattle, WA, USA: Springer-Verlag.
- [116] Greene WA. 2004 Schema disruption in chromosomes that are structured as binary trees. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1197–1207. Seattle, WA, USA: Springer-Verlag.
- [117] Howard B, Sheppard J. 2004 The royal road not taken: A re-examination of the reasons for ga failure on r1. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1208–1219. Seattle, WA, USA: Springer-Verlag.
- [118] Hu J, Goodman E. 2004 Robust and efficient genetic algorithms with hierarchical niching and a sustainable evolutionary computation model. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E,

- Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1220–1232. Seattle, WA, USA: Springer-Verlag.
- [119] Huang CF, Rocha LM. 2004 A systematic study of genetic algorithms with genotype editing. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1233–1245. Seattle, WA, USA: Springer-Verlag.
- [120] Ishibuchi H, Narukawa K. 2004 Some issues on the implementation of local search in evolutionary multiobjective optimization. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1246–1258. Seattle, WA, USA: Springer-Verlag.
- [121] Ishibuchi H, Shibata Y. 2004 Mating scheme for controlling the diversity-convergence balance for multiobjective optimization. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1259–1271. Seattle, WA, USA: Springer-Verlag.
- [122] Julstrom BA. 2004 Encoding bounded-diameter spanning trees with permutations and with random keys. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1272–1281. Seattle, WA, USA: Springer-Verlag.
- [123] Julstrom BA, Antoniades A. 2004 Three evolutionary codings of rectilinear steiner arborescences. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1282–1291. Seattle, WA, USA: Springer-Verlag.
- [124] Jung S, Moon BR. 2004 Central point crossover for neuro-genetic hybrids. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1292–1303. Seattle, WA, USA: Springer-Verlag.
- [125] Klau GW, Ljubic I, Moser A, Mutzel P, Neuner P, Pferschy U, Raidl G, Weiskircher R. 2004 Combining a memetic algorithm with integer programming to solve the prize-collecting steiner tree problem. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1304–1315. Seattle, WA, USA: Springer-Verlag.
- [126] Langeheine J, Trefzer M, Brüderle D, Meier K, Schemmel J. 2004 On the evolution of analog electronic circuits using building blocks on a cmos fpta. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1316–1327. Seattle, WA, USA: Springer-Verlag.
- [127] Lima CF, Lobo FG. 2004 Parameter-less optimization with the extended compact genetic algorithm and iterated local search. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1328–1339. Seattle, WA, USA: Springer-Verlag.
- [128] Lunacek M, Whitley D, Gabriel P, Stephens G. 2004 Comparing search algorithms for the temperature inversion problem. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1340–1351. Seattle, WA, USA: Springer-Verlag.

- [129] Menon A. 2004 Inequality's arrow: The role of greed and order in genetic algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1352–1364. Seattle, WA, USA: Springer-Verlag.
- [130] Miles C, Louis SJ, Drewes R. 2004 Trap avoidance in strategic computer game playing with case injected genetic algorithms. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1365–1376. Seattle, WA, USA: Springer-Verlag.
- [131] Moraglio A, Poli R. 2004 Topological interpretation of crossover. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1377–1388. Seattle, WA, USA: Springer-Verlag.
- [132] Mumford CL. 2004 Simple population replacement strategies for a steady-state multi-objective evolutionary algorithm. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1389–1400. Seattle, WA, USA: Springer-Verlag.
- [133] Nasraoui O, Rojas C, Cardona C. 2004 Dynamic and scalable evolutionary data mining: An approach based on a self-adaptive multiple expression mechanism. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1401–1413. Seattle, WA, USA: Springer-Verlag.
- [134] Nicolau M, Ryan C. 2004 Crossover, population dynamics, and convergence in the gauge system. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation – GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1414–1425. Seattle, WA, USA: Springer-Verlag.
- [135] Ohnishi K, Sastry K, Chen YP, Goldberg DE. 2004 Inducing sequentiality using grammatical genetic codes. In: Deb K, Poli R, Banzhaf W, Beyer HG, Burke E, Darwen P, Dasgupta D, Floreano D, Foster J, Harman M, et al. (eds.), Genetic and Evolutionary Computation GECCO-2004, Part I, vol. 3102 of Lecture Notes in Computer Science, pp. 1426–1437. Seattle, WA, USA: Springer-Verlag.