Список литературы

- [Agog 04] A. Agogino and K. Tumer. "Efficient Evaluation Functions for Multi-rover Systems". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1–11, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Agui 04a] J. Aguilar-Ruiz, J. Bacardit, and F. Divina. "Experimental Evaluation of Discretization Schemes for Rule Induction". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 828–839, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Agui 04b] J. S. Aguilar-Ruiz, D. Mateos, R. Giraldez, and J. C. Riquelme. "Statistical Test-Based Evolutionary Segmentation of Yeast Genome". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 493–494, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Ahn 04] C. W. Ahn, R. Ramakrishna, and D. E. Goldberg. "Real-Coded Bayesian Optimization Algorithm: Bringing the Strength of BOA into the Continuous World". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 840–851, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Alba 04a] E. Alba and J. F. Chicano. "Training Neural Networks with GA Hybrid Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 852–863, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Alba 04b] E. Alba and G. Luque. "Growth Curves and Takeover Time in Distributed Evolutionary Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 864–876, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Albr 04] A. A. Albrecht. "On the Complexity to Approach Optimum Solutions by Inhomogeneous Markov Chains". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 642–653, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Apor 04] C. Aporntewan and P. Chongstitvatana. "Simultaneity Matrix for Solving Hierarchically Decomposable Functions". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 877–888, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Arau 04] L. Araujo, G. Luque, and E. Alba. "Metaheuristics for Natural Language Tagging". In:
 K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano,
 J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens,

- and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 889–900, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Bade 04] A. Bader-Natal and J. B. Pollack. "A Population-Differential Method of Monitoring Success and Failure in Coevolution". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 585–586, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Ball 04] P. J. Ballester and J. N. Carter. "An Effective Real-Parameter Genetic Algorithm with Parent Centric Normal Crossover for Multimodal Optimisation". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 901–913, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Bass 04] J. K. Bassett, M. A. Potter, and K. A. D. Jong. "Looking Under the EA Hood with Price's Equation". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 914–922, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Beld 04] I. Belda, X. Llorà, M. Martinell, T. Tarragó, and E. Giralt. "Computer-Aided Peptide Evolution for Virtual Drug Design". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 321–332, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Berl 04] S. Berlik. "A Step Size Preserving Directed Mutation Operator". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 786–787, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Berr 04] A. Berro and S. Sanchez. "Autonomous Agent for Multi-objective Optimization". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 251–252, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Beye 04] H.-G. Beyer. "Actuator Noise in Recombinant Evolution Strategies on General Quadratic Fitness Models". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 654–665, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Bong 04] J. C. Bongard and H. Lipson. "Automating Genetic Network Inference with Minimal Physical Experimentation Using Coevolution". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 333–345, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Brab 04] A. Brabazon, A. Silva, T. F. de Sousa, M. O'Neill, R. Matthews, and E. Costa. "A Particle Swarm Model of Organizational Adaptation". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland,

- P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., *Genetic and Evolutionary Computation GECCO-2004*, *Part I*, pp. 12–23, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Bran 04] J. Branke, A. Kamper, and H. Schmeck. "Distribution of Evolutionary Algorithms in Heterogeneous Networks". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 923–934, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Bucc 04] A. Bucci, J. B. Pollack, and E. de Jong. "Automated Extraction of Problem Structure". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 501–512, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Bueh 04] E. C. Buehler, S. Das, and J. F. Cully. "Equilibrium and Extinction in a Trisexual Diploid Mating System: An Investigation". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 495–496, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Bui 04a] T. N. Bui and J. R. Rizzo. "Finding Maximum Cliques with Distributed Ants". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 24–35, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Bui 04b] T. N. Bui and G. Sundarraj. "Ant System for the k-Cardinality Tree Problem". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 36–47, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Burn 04] D. J. Burns and K. T. May. "On Parameterizing Models of Antigen-Antibody Binding Dynamics on Surfaces: A Genetic Algorithm Approach and the Need for Speed". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 497–498, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Buyu 04] B. Buyukbozkirli and E. D. Goodman. "A Statistical Model of GA Dynamics for the OneMax Problem". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 935–946, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Cant 04a] E. Cantú-Paz. "Adaptive Sampling for Noisy Problems". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 947–958, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Cant 04b] E. Cantú-Paz. "Feature Subset Selection, Class Separability, and Genetic Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 959–970, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.

- [Chan 04] M. Chang, K. Ohkura, K. Ueda, and M. Sugiyama. "Modeling Coevolutionary Genetic Algorithms on Two-Bit Landscapes: Random Partnering". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 513–524, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Chen 04a] C. D. Cheng and A. Kosorukoff. "Interactive One-Max Problem Allows to Compare the Performance of Interactive and Human-Based Genetic Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 983–993, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Chen 04b] Y. ping Chen and D. E. Goldberg. "Introducing Subchromosome Representations to the Linkage Learning Genetic Algorithm". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 971–982, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Chit 04a] D. M. Chitty. "An Evolved Autonomous Controller for Satellite Task Scheduling". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 253–254, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Chit 04b] D. M. Chitty and M. L. Hernandez. "A Hybrid Ant Colony Optimisation Technique for Dynamic Vehicle Routing". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 48–59, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Choi 04] S.-S. Choi and B.-R. Moon. "Polynomial Approximation of Survival Probabilities Under Multi-point Crossover". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 994–1005, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Chow 04] R. Chow. "Genotype to Phenotype Mappings with a Multiple-Chromosome Genetic Algorithm". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1006–1017, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Chry 04] C. Chryssomalakos and C. R. Stephens. "What Basis for Genetic Dynamics?". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1018–1029, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Clev 04] L. M. Clevenger and W. E. Hart. "Convergence Examples of a Filter-Based Evolutionary Algorithm". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 666–677, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.

- [Corn 04] D. Cornforth and M. Kirley. "Cooperative Problem Solving Using an Agent-Based Market".
 In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta,
 D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi,
 D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 60-71, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Curr 04] D. Curran and C. O'Riordan. "Cultural Evolution for Sequential Decision Tasks: Evolving Tic-Tac-Toe Players in Multi-agent Systems". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 72–80, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Deb 04a] K. Deb and N. K. Gupta. "Optimal Operating Conditions for Overhead Crane Maneuvering Using Multi-objective Evolutionary Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1042-1053, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Deb 04b] K. Deb and K. Pal. "Efficiently Solving: A Large-Scale Integer Linear Program Using a Customized Genetic Algorithm". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1054–1065, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Delb 04] A. Delbem, A. de Carvalho, C. A. Policastro, A. K. Pinto, K. Honda, and A. C. Garcia. "Node-Depth Encoding for Evolutionary Algorithms Applied to Network Design". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 678–687, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Dick 04] E. Dicke, A. Byde, P. Layzell, and D. Cliff. "Using a Genetic Algorithm to Design and Improve Storage Area Network Architectures". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1066–1077, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Dign 04] S. Dignum and R. Poli. "Multi-agent Foreign Exchange Market Modelling Via GP". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 255–256, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Down 04] K. L. Downing. "Artificial Life and Natural Intelligence". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 81–92, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Dozi 04a] G. Dozier, D. Brown, J. Hurley, and K. Cain. "Vulnerability Analysis of Immunity-Based Intrusion Detection Systems Using Evolutionary Hackers". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 263–274, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.

- [Dozi 04b] G. Dozier, H. Cunningham, W. Britt, and F. Zhang. "Distributed Constraint Satisfaction, Restricted Recombination, and Hybrid Genetic Search". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 1078–1087, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Drew 04] R. Drewes, J. Maciokas, S. J. Louis, and P. Goodman. "An Evolutionary Autonomous Agent with Visual Cortex and Recurrent Spiking Columnar Neural Network". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 257–258, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Dros 04] S. Droste. "Analysis of the (1 + 1) EA for a Noisy OneMax". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1088–1099, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Fisc 04a] S. Fischer. "A Polynomial Upper Bound for a Mutation-Based Algorithm on the Two-Dimensional Ising Model". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1100–1112, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Fisc 04b] S. Fischer and I. Wegener. "The Ising Model on the Ring: Mutation Versus Recombination". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1113–1124, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Gari 04] I. I. Garibay, O. O. Garibay, and A. S. Wu. "Effects of Module Encapsulation in Repetitively Modular Genotypes on the Search Space". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 1125–1137, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Giac 04] M. Giacobini, E. Alba, A. Tettamanzi, and M. Tomassini. "Modeling Selection Intensity for Toroidal Cellular Evolutionary Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1138–1149, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Gome 04a] J. Gomez. "Evolution of Fuzzy Rule Based Classifiers". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1150–1161, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Gome 04b] J. Gomez. "Self Adaptation of Operator Rates in Evolutionary Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1162–1173, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.

- [Gome 04c] O. Gómez and B. Barán. "Arguments for ACO's Success". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 259–260, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Grah 04] J. Grahl and F. Rothlauf. "PolyEDA: Combining Estimation of Distribution Algorithms and Linear Inequality Constraints". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1174–1185, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Graj 04] A. Grajdeanu and K. D. Jong. "Improving the Locality Properties of Binary Representations". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1186–1196, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Gree 04] W. A. Greene. "Schema Disruption in Chromosomes That Are Structured as Binary Trees". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1197–1207, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Gros 04] C. Grosan. "A Comparison of Several Algorithms and Representations for Single Objective Optimization". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 788–789, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Hang 04] X. Hang and H. Dai. "Constructing Detectors in Schema Complementary Space for Anomaly Detection". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 275–286, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Howa 04] B. Howard and J. Sheppard. "The Royal Road Not Taken: A Re-examination of the Reasons for GA Failure on R1". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1208–1219, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Hu 04] J. Hu and E. Goodman. "Robust and Efficient Genetic Algorithms with Hierarchical Niching and a Sustainable Evolutionary Computation Model". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1220–1232, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Huan 04] C.-F. Huang and L. M. Rocha. "A Systematic Study of Genetic Algorithms with Genotype Editing". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1233–1245, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.

- Y. Inoue, T. Tohge, and H. Iba. "Learning to Acquire Autonomous Behavior: Cooperation by Humanoid Robots". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 590–602, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Iori 04] A. W. Iorio and X. Li. "A Cooperative Coevolutionary Multiobjective Algorithm Using Non-dominated Sorting". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 537–548, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Ishi 04a] H. Ishibuchi and K. Narukawa. "Some Issues on the Implementation of Local Search in Evolutionary Multiobjective Optimization". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1246–1258, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Ishi 04b] H. Ishibuchi and Y. Shibata. "Mating Scheme for Controlling the Diversity-Convergence Balance for Multiobjective Optimization". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1259–1271, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Jako 04] W. Jakob, C. Blume, and G. Bretthauer. "Towards a Generally Applicable Self-Adapting Hybridization of Evolutionary Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 790–791, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Ji 04] Z. Ji and D. Dasgupta. "Real-Valued Negative Selection Algorithm with Variable-Sized Detectors". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 287–298, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Jin 04] Y. Jin and B. Sendhoff. "Reducing Fitness Evaluations Using Clustering Techniques and Neural Network Ensembles". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 688–699, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Jong 04a] E. D. de Jong. "The Incremental Pareto-Coevolution Archive". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 525–536, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Jong 04b] E. D. de Jong and D. Thierens. "Exploiting Modularity, Hierarchy, and Repetition in Variable-Length Problems". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary

- Computation GECCO-2004, Part I, pp. 1030–1041, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Juls 04a] B. A. Julstrom. "Encoding Bounded-Diameter Spanning Trees with Permutations and with Random Keys". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1272–1281, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Juls 04b] B. A. Julstrom and A. Antoniades. "Three Evolutionary Codings of Rectilinear Steiner Arborescences". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1282–1291, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Jung 04] S. Jung and B.-R. Moon. "Central Point Crossover for Neuro-genetic Hybrids". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1292–1303, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Just 04] W. Just and X. Sun. "Is the Predicted ESS in the Sequential Assessment Game Evolvable?". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 499–500, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Keym 04] D. Keymeulen, R. Zebulum, V. Duong, X. Guo, I. Ferguson, and A. Stoica. "High Temperature Experiments for Circuit Self-Recovery". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 792–803, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Kim 04] Y.-H. Kim, S.-Y. Lee, and B.-R. Moon. "A Genetic Approach for Gene Selection on Microarray Expression Data". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 346–355, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Klau 04] G. W. Klau, I. Ljubic, A. Moser, P. Mutzel, P. Neuner, U. Pferschy, G. Raidl, and R. Weiskircher. "Combining a Memetic Algorithm with Integer Programming to Solve the Prize-Collecting Steiner Tree Problem". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1304–1315, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Kodu 04] P. Koduru, S. Das, S. Welch, and J. L. Roe. "Fuzzy Dominance Based Multi-objective GA-Simplex Hybrid Algorithms Applied to Gene Network Models". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 356–367, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.

- [Kowa 04] T. Kowaliw, P. Grogono, and N. Kharma. "Bluenome: A Novel Developmental Model of Artificial Morphogenesis". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 93–104, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Lang 04] J. Langeheine, M. Trefzer, D. Brüderle, K. Meier, and J. Schemmel. "On the Evolution of Analog Electronic Circuits Using Building Blocks on a CMOS FPTA". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1316–1327, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Li 04a] X. Li. "Adaptively Choosing Neighbourhood Bests Using Species in a Particle Swarm Optimizer for Multimodal Function Optimization". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 105–116, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Li 04b] X. Li. "Better Spread and Convergence: Particle Swarm Multiobjective Optimization Using the Maximin Fitness Function". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 117–128, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Liek 04] A. M. Liekens, H. M. ten Eikelder, and P. A. Hilbers. "Predicting Genetic Drift in 2x2 Games". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 549–560, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Lima 04] C. F. Lima and F. G. Lobo. "Parameter-Less Optimization with the Extended Compact Genetic Algorithm and Iterated Local Search". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 1328–1339, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Luna 04] M. Lunacek, D. Whitley, P. Gabriel, and G. Stephens. "Comparing Search Algorithms for the Temperature Inversion Problem". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1340–1351, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Maga 04] C. S. de Magalhäes, H. J. Barbosa, and L. E. Dardenne. "Selection-Insertion Schemes in Genetic Algorithms for the Flexible Ligand Docking Problem". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 368–379, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Mani 04] M. Maniadakis and P. Trahanias. "Evolution Tunes Coevolution: Modelling Robot Cognition Mechanisms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary

- Computation GECCO-2004, Part I, pp. 640–641, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Maur 04] G. Mauri, R. Mosca, and G. Pavesi. "A GA Approach to the Definition of Regulatory Signals in Genomic Sequences". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 380–391, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Meno 04] A. Menon. "Inequality's Arrow: The Role of Greed and Order in Genetic Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1352–1364, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Mezu 04] E. Mezura-Montes and C. A. C. Coello. "An Improved Diversity Mechanism for Solving Constrained Optimization Problems Using a Multimembered Evolution Strategy". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 700-712, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Mile 04] C. Miles, S. J. Louis, and R. Drewes. "Trap Avoidance in Strategic Computer Game Playing with Case Injected Genetic Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1365–1376, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Mill 04] J. F. Miller. "Evolving a Self-Repairing, Self-Regulating, French Flag Organism". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 129–139, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Mons 04] C. K. Monson and K. D. Seppi. "The Kalman Swarm: A New Approach to Particle Motion in Swarm Optimization". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 140–150, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Moor 04] J. H. Moore and L. W. Hahn. "Systems Biology Modeling in Human Genetics Using Petri Nets and Grammatical Evolution". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 392–401, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Mora 04] A. Moraglio and R. Poli. "Topological Interpretation of Crossover". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1377–1388, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Mumf 04] C. L. Mumford. "Simple Population Replacement Strategies for a Steady-State Multi-objective Evolutionary Algorithm". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic

- and Evolutionary Computation GECCO-2004, Part I, pp. 1389–1400, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Nadi 04] S. Nadimi and B. Bhanu. "Cooperative Coevolution Fusion for Moving Object Detection".
 In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta,
 D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi,
 D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 587–589, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Naka 04] T. Nakano and T. Suda. "Adaptive and Evolvable Network Services". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 151–162, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Nasr 04] O. Nasraoui, C. Rojas, and C. Cardona. "Dynamic and Scalable Evolutionary Data Mining: An Approach Based on a Self-Adaptive Multiple Expression Mechanism". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1401–1413, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Neum 04] F. Neumann and I. Wegener. "Randomized Local Search, Evolutionary Algorithms, and the Minimum Spanning Tree Problem". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 713–724, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Nico 04] M. Nicolau and C. Ryan. "Crossover, Population Dynamics, and Convergence in the GAuGE System". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 1414–1425, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Ohni 04] K. Ohnishi, K. Sastry, Y.-P. Chen, and D. E. Goldberg. "Inducing Sequentiality Using Grammatical Genetic Codes". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 1426–1437, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [ONei 04] M. O'Neill and A. Brabazon. "Grammatical Swarm". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 163–174, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Pain 04] R. W. Paine and J. Tani. "Evolved Motor Primitives and Sequences in a Hierarchical Recurrent Neural Network". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 603–614, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Pala 04] R. A. Palacios-Durazo and M. Valenzuela-Rendón. "Similarities Between Co-evolution and Learning Classifier Systems and Their Applications". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds.,

- Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 561–572, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Pana 04] L. Panait, R. P. Wiegand, and S. Luke. "A Sensitivity Analysis of a Cooperative Coevolutionary Algorithm Biased for Optimization". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 573–584, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Pars 04] K. Parsopoulos, E. Papageorgiou, P. Groumpos, and M. Vrahatis. "Evolutionary Computation Techniques for Optimizing Fuzzy Cognitive Maps in Radiation Therapy Systems". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 402–413, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Paul 04] T. K. Paul and H. Iba. "Identification of Informative Genes for Molecular Classification Using Probabilistic Model Building Genetic Algorithm". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 414–425, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Pete 04] M. R. Peterson, T. E. Doom, and M. L. Raymer. "GA-Facilitated Knowledge Discovery and Pattern Recognition Optimization Applied to the Biochemistry of Protein Solvation". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 426–437, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Pire 04] E. S. Pires, J. T. Machado, and P. de Moura Oliveira. "Robot Trajectory Planning Using Multi-objective Genetic Algorithm Optimization". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 615–626, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Puli 04] G. T. Pulido and C. A. C. Coello. "Using Clustering Techniques to Improve the Performance of a Multi-objective Particle Swarm Optimizer". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 225– 237, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Qi 04] Z. qiang Qi, S. min Song, Z. hua Yang, G. da Hu, and F. en Zhang. "A Novel Immune Feedback Control Algorithm and Its Applications". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 318–320, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Rief 04] J. Rieffel and J. Pollack. "The Emergence of Ontogenic Scaffolding in a Stochastic Development Environment". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 804–815, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.

- [Ritc 04] M. D. Ritchie, C. S. Coffey, and J. H. Moore. "Genetic Programming Neural Networks as a Bioinformatics Tool for Human Genetics". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 438–448, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Rowe 04] J. E. Rowe and D. zena Hidović. "An Evolution Strategy Using a Continuous Version of the Gray-Code Neighbourhood Distribution". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 725–736, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Sapi 04] E. Sapin, O. Bailleux, J.-J. Chabrier, and P. Collet. "A New Universal Cellular Automaton Discovered by Evolutionary Algorithms". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 175–187, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Seme 04] Y. Semet, U.-M. O'Reilly, and F. Durand. "An Interactive Artificial Ant Approach to Non-photorealistic Rendering". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 188–200, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Shen 04] L. Sheneman and J. A. Foster. "Evolving Better Multiple Sequence Alignments". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 449–460, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Shu 04] L.-S. Shu, S.-J. Ho, S.-Y. Ho, J.-H. Chen, and M.-H. Hung. "A Novel Multi-objective Orthogonal Simulated Annealing Algorithm for Solving Multi-objective Optimization Problems with a Large Number of Parameters". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 737–747, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Spie 04] C. Spieth, F. Streichert, N. Speer, and A. Zell. "Optimizing Topology and Parameters of Gene Regulatory Network Models from Time-Series Experiments". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 461– 470, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Stib 04] T. Stibor, K. M. Bayarou, and C. Eckert. "An Investigation of R-Chunk Detector Generation on Higher Alphabets". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 299–307, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Stor 04] T. Storch. "On the Choice of the Population Size". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and

- Evolutionary Computation GECCO-2004, Part I, pp. 748–760, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Stre 04] F. Streichert, H. Planatscher, C. Spieth, H. Ulmer, and A. Zell. "Comparing Genetic Programming and Evolution Strategies on Inferring Gene Regulatory Networks". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 471–480, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Talb 04] W. A. Talbott. "Automatic Creation of Team-Control Plans Using an Assignment Branch in Genetic Programming". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 201–212, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Tane 04a] I. Tanev, T. Ray, and A. Buller. "Evolution, Robustness, and Adaptation of Sidewinding Locomotion of Simulated Snake-Like Robot". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 627–639, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Tane 04b] I. Tanev and K. Yuta. "Implications of Epigenetic Learning Via Modification of Histones on Performance of Genetic Programming". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 213–224, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Thom 04] Y. Thoma and E. Sanchez. "A Reconfigurable Chip for Evolvable Hardware". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 816–827, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Timm 04] J. Timmis and C. Edmonds. "A Comment on Opt-AiNET: An Immune Network Algorithm for Optimisation". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 308–317, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Witt 04] C. Witt. "An Analysis of the (1+1) EA on Simple Pseudo-Boolean Functions". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 761–773, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Xie 04a] X.-F. Xie and W.-J. Zhang. "Solving Engineering Design Problems by Social Cognitive Optimization". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 261–262, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Xie 04b] X.-F. Xie and W.-J. Zhang. "SWAF: Swarm Algorithm Framework for Numerical Optimization". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector,

- A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., *Genetic and Evolutionary Computation GECCO-2004*, *Part I*, pp. 238–250, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Yana 04] K. Yanai and H. Iba. "Program Evolution by Integrating EDP and GP". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation GECCO-2004, Part I, pp. 774–785, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.
- [Yang 04] J.-M. Yang, T.-W. Shen, Y.-F. Chen, and Y.-Y. Chiu. "An Evolutionary Approach with Pharmacophore-Based Scoring Functions for Virtual Database Screening". In: K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, Eds., Genetic and Evolutionary Computation – GECCO-2004, Part I, pp. 481–492, Springer-Verlag, Seattle, WA, USA, 26-30 June 2004.