

## Список литературы

- [Agogino & Tumer(2004)] Agogino, A. & Tumer, K. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1–11. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020001.htm>.
- [Aguilar-Ruiz *et al.*(2004a)] Aguilar-Ruiz, Bacardit, & Divina] Aguilar-Ruiz, J., Bacardit, J., & Divina, F. (2004a). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 828–839. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020828.htm>.
- [Aguilar-Ruiz *et al.*(2004b)] Aguilar-Ruiz, Mateos, Giraldez, & Riquelme] Aguilar-Ruiz, J. S., Mateos, D., Giraldez, R., & Riquelme, J. C. (2004b). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 493–494. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020493.htm>.
- [Ahn *et al.*(2004)] Ahn, Ramakrishna, & Goldberg] Ahn, C. W., Ramakrishna, R., & Goldberg, D. E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 840–851. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020840.htm>.
- [Alba & Chicano(2004)] Alba, E. & Chicano, J. F. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 852–863. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020852.htm>.
- [Alba & Luque(2004)] Alba, E. & Luque, G. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 864–876. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020864.htm>.
- [Albrecht(2004)] Albrecht, A. A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 642–653. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020642.htm>.
- [Aporntewan & Chongstitvatana(2004)] Aporntewan, C. & Chongstitvatana, P. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 877–888. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020877.htm>.
- [Araujo *et al.*(2004)Araujo, Luque, & Alba] Araujo, L., Luque, G., & Alba, E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 889–900. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020889.htm>.
- [Bader-Natal & Pollack(2004)] Bader-Natal, A. & Pollack, J. B. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 585–586. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020585.htm>.
- [Ballester & Carter(2004)] Ballester, P. J. & Carter, J. N. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 901–913. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020901.htm>.
- [Bassett *et al.*(2004)Bassett, Potter, & Jong] Bassett, J. K., Potter, M. A., & Jong, K. A. D. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 914–922. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020914.htm>.
- [Belda *et al.*(2004)Belda, Llorà, Martinell, Tarragó, & Giralt] Belda, I., Llorà, X., Martinell, M., Tarragó, T., & Giralt, E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 321–332. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020321.htm>.
- [Berlik(2004)] Berlik, S. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 786–787. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020786.htm>.
- [Berro & Sanchez(2004)] Berro, A. & Sanchez, S. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 251–252. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020251.htm>.

- [Beyer(2004)] Beyer, H.-G. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 654–665. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020654.htm>.
- [Bongard & Lipson(2004)] Bongard, J. C. & Lipson, H. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 333–345. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020333.htm>.
- [Brabazon et al.(2004)] Brabazon, Silva, de Sousa, O’Neill, Matthews, & Costa] Brabazon, A., Silva, A., de Sousa, T. F., O’Neill, M., Matthews, R., & Costa, E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 12–23. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020012.htm>.
- [Branke et al.(2004)] Branke, Kamper, & Schmeck] Branke, J., Kamper, A., & Schmeck, H. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 923–934. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020923.htm>.
- [Bucci et al.(2004)] Bucci, Pollack, & de Jong] Bucci, A., Pollack, J. B., & de Jong, E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 501–512. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020501.htm>.
- [Buehler et al.(2004)] Buehler, Das, & Cully] Buehler, E. C., Das, S., & Cully, J. F. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 495–496. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020495.htm>.
- [Bui & Rizzo(2004)] Bui, T. N. & Rizzo, J. R. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 24–35. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020024.htm>.
- [Bui & Sundarraj(2004)] Bui, T. N. & Sundarraj, G. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 36–47. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020036.htm>.
- [Burns & May(2004)] Burns, D. J. & May, K. T. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 497–498. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020497.htm>.
- [Buyukbozkirli & Goodman(2004)] Buyukbozkirli, B. & Goodman, E. D. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 935–946. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020935.htm>.
- [Cantú-Paz(2004a)] Cantú-Paz, E. (2004a). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 947–958. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020947.htm>.
- [Cantú-Paz(2004b)] Cantú-Paz, E. (2004b). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 959–970. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020959.htm>.
- [Chang *et al.*(2004)Chang, Ohkura, Ueda, & Sugiyama] Chang, M., Ohkura, K., Ueda, K., & Sugiyama, M. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 513–524. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020513.htm>.
- [Cheng & Kosorukoff(2004)] Cheng, C. D. & Kosorukoff, A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 983–993. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020983.htm>.
- [Chitty(2004)] Chitty, D. M. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 253–254. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020253.htm>.
- [Chitty & Hernandez(2004)] Chitty, D. M. & Hernandez, M. L. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 48–59. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020048.htm>.
- [Choi & Moon(2004)] Choi, S.-S. & Moon, B.-R. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 994–1005. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020994.htm>.
- [Chow(2004)] Chow, R. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1006–1017. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021006.htm>.
- [Chrysomalakos & Stephens(2004)] Chrysomalakos, C. & Stephens, C. R. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1018–1029. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021018.htm>.
- [Clevenger & Hart(2004)] Clevenger, L. M. & Hart, W. E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 666–677. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020666.htm>.
- [Cornforth & Kirley(2004)] Cornforth, D. & Kirley, M. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 60–71. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020060.htm>.
- [Curran & O’Riordan(2004)] Curran, D. & O’Riordan, C. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 72–80. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020072.htm>.
- [de Jong(2004)] de Jong, E. D. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 525–536. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020525.htm>.

- [de Jong & Thierens(2004)] de Jong, E. D. & Thierens, D. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1030–1041. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021030.htm>.
- [de Magalhães *et al.*(2004)] de Magalhães, Barbosa, & Dardenne] de Magalhães, C. S., Barbosa, H. J., & Dardenne, L. E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 368–379. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020368.htm>.
- [Deb & Gupta(2004)] Deb, K. & Gupta, N. K. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1042–1053. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021042.htm>.
- [Deb & Pal(2004)] Deb, K. & Pal, K. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1054–1065. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021054.htm>.
- [Delbem *et al.*(2004)] Delbem, de Carvalho, Policastro, Pinto, Honda, & Garcia] Delbem, A., de Carvalho, A., Policastro, C. A., Pinto, A. K., Honda, K., & Garcia, A. C. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 678–687. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020678.htm>.
- [Dicke *et al.*(2004)] Dicke, Hyde, Layzell, & Cliff] Dicke, E., Hyde, A., Layzell, P., & Cliff, D. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1066–1077. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021066.htm>.
- [Dignum & Poli(2004)] Dignum, S. & Poli, R. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 255–256. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020255.htm>.
- [Downing(2004)] Downing, K. L. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 81–92. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020081.htm>.
- [Dozier *et al.*(2004a)Dozier, Brown, Hurley, & Cain] Dozier, G., Brown, D., Hurley, J., & Cain, K. (2004a). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 263–274. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020263.htm>.
- [Dozier *et al.*(2004b)Dozier, Cunningham, Britt, & Zhang] Dozier, G., Cunningham, H., Britt, W., & Zhang, F. (2004b). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1078–1087. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021078.htm>.
- [Drewes *et al.*(2004)Drewes, Maciokas, Louis, & Goodman] Drewes, R., Maciokas, J., Louis, S. J., & Goodman, P. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 257–258. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020257.htm>.
- [Droste(2004)] Droste, S. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1088–1099. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021088.htm>.
- [Fischer(2004)] Fischer, S. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1100–1112. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021100.htm>.
- [Fischer & Wegener(2004)] Fischer, S. & Wegener, I. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1113–1124. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021113.htm>.
- [Garibay *et al.*(2004)Garibay, Garibay, & Wu] Garibay, I. I., Garibay, O. O., & Wu, A. S. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1125–1137. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021125.htm>.

- [Giacobini *et al.*(2004)] Giacobini, Alba, Tettamanzi, & Tomassini] Giacobini, M., Alba, E., Tettamanzi, A., & Tomassini, M. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1138–1149. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021138.htm>.
- [Gomez(2004a)] Gomez, J. (2004a). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1150–1161. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021150.htm>.
- [Gomez(2004b)] Gomez, J. (2004b). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1162–1173. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021162.htm>.
- [Gómez & Barán(2004)] Gómez, O. & Barán, B. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 259–260. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020259.htm>.
- [Grahl & Rothlauf(2004)] Grahl, J. & Rothlauf, F. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1174–1185. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021174.htm>.
- [Grajdeanu & Jong(2004)] Grajdeanu, A. & Jong, K. D. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1186–1196. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021186.htm>.
- [Greene(2004)] Greene, W. A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1197–1207. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021197.htm>.
- [Grosan(2004)] Grosan, C. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 788–789. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020788.htm>.



- [Hang & Dai(2004)] Hang, X. & Dai, H. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 275–286. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020275.htm>.
- [Howard & Sheppard(2004)] Howard, B. & Sheppard, J. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1208–1219. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021208.htm>.
- [Hu & Goodman(2004)] Hu, J. & Goodman, E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1220–1232. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021220.htm>.
- [Huang & Rocha(2004)] Huang, C.-F. & Rocha, L. M. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1233–1245. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021233.htm>.
- [Inoue *et al.*(2004)] Inoue, Tohge, & Iba] Inoue, Y., Tohge, T., & Iba, H. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 590–602. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020590.htm>.
- [Iorio & Li(2004)] Iorio, A. W. & Li, X. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 537–548. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020537.htm>.
- [Ishibuchi & Narukawa(2004)] Ishibuchi, H. & Narukawa, K. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1246–1258. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021246.htm>.
- [Ishibuchi & Shibata(2004)] Ishibuchi, H. & Shibata, Y. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1259–1271. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021259.htm>.
- [Jakob *et al.*(2004)Jakob, Blume, & Bretthauer] Jakob, W., Blume, C., & Bretthauer, G. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 790–791. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020790.htm>.
- [Ji & Dasgupta(2004)] Ji, Z. & Dasgupta, D. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 287–298. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020287.htm>.
- [Jin & Sendhoff(2004)] Jin, Y. & Sendhoff, B. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 688–699. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020688.htm>.
- [Julstrom(2004)] Julstrom, B. A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1272–1281. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021272.htm>.
- [Julstrom & Antoniadis(2004)] Julstrom, B. A. & Antoniadis, A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1282–1291. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021282.htm>.
- [Jung & Moon(2004)] Jung, S. & Moon, B.-R. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1292–1303. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021292.htm>.
- [Just & Sun(2004)] Just, W. & Sun, X. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 499–500. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020499.htm>.

- [Keymeulen *et al.*(2004)Keymeulen, Zebulum, Duong, Guo, Ferguson, & Stoica] Keymeulen, D., Zebulum, R., Duong, V., Guo, X., Ferguson, I., & Stoica, A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 792–803. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020792.htm>.
- [Kim *et al.*(2004)Kim, Lee, & Moon] Kim, Y.-H., Lee, S.-Y., & Moon, B.-R. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 346–355. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020346.htm>.
- [Klau *et al.*(2004)Klau, Ljubic, Moser, Mutzel, Neuner, Pfersch, Raidl, & Weiskircher] Klau, G. W., Ljubic, I., Moser, A., Mutzel, P., Neuner, P., Pfersch, U., Raidl, G., & Weiskircher, R. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1304–1315. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021304.htm>.
- [Koduru *et al.*(2004)Koduru, Das, Welch, & Roe] Koduru, P., Das, S., Welch, S., & Roe, J. L. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 356–367. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020356.htm>.
- [Kowaliw *et al.*(2004)Kowaliw, Grogono, & Kharmal] Kowaliw, T., Grogono, P., & Kharmal, N. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 93–104. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020093.htm>.
- [Langeheine *et al.*(2004)Langeheine, Trefzer, Brüderle, Meier, & Schemmel] 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 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1316–1327. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021316.htm>.
- [Li(2004a)] Li, X. (2004a). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 105–116. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020105.htm>.

- [Li(2004b)] Li, X. (2004b). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 117–128. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020117.htm>.
- [Liekens et al.(2004)Lieken, ten Eikelder, & Hilbers] Liekens, A. M., ten Eikelder, H. M., & Hilbers, P. A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 549–560. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020549.htm>.
- [Lima & Lobo(2004)] Lima, C. F. & Lobo, F. G. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1328–1339. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021328.htm>.
- [Lunacek et al.(2004)Lunacek, Whitley, Gabriel, & Stephens] Lunacek, M., Whitley, D., Gabriel, P., & Stephens, G. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1340–1351. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021340.htm>.
- [Maniadakis & Trahanias(2004)] Maniadakis, M. & Trahanias, P. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 640–641. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020640.htm>.
- [Mauri et al.(2004)Mauri, Mosca, & Pavesi] Mauri, G., Mosca, R., & Pavesi, G. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 380–391. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020380.htm>.
- [Menon(2004)] Menon, A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1352–1364. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021352.htm>.
- [Mezura-Montes & Coello(2004)] Mezura-Montes, E. & Coello, C. A. C. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 700–712. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020700.htm>.
- [Miles *et al.*(2004)Miles, Louis, & Drewes] Miles, C., Louis, S. J., & Drewes, R. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1365–1376. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021365.htm>.
- [Miller(2004)] Miller, J. F. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 129–139. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020129.htm>.
- [Monson & Seppi(2004)] Monson, C. K. & Seppi, K. D. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 140–150. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020140.htm>.
- [Moore & Hahn(2004)] Moore, J. H. & Hahn, L. W. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 392–401. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020392.htm>.
- [Moraglio & Poli(2004)] Moraglio, A. & Poli, R. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1377–1388. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021377.htm>.
- [Mumford(2004)] Mumford, C. L. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1389–1400. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021389.htm>.
- [Nadimi & Bhanu(2004)] Nadimi, S. & Bhanu, B. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 587–589. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020587.htm>.
- [Nakano & Suda(2004)] Nakano, T. & Suda, T. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 151–162. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020151.htm>.
- [Nasraoui *et al.*(2004)] Nasraoui, Rojas, & Cardona] Nasraoui, O., Rojas, C., & Cardona, C. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1401–1413. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021401.htm>.
- [Neumann & Wegener(2004)] Neumann, F. & Wegener, I. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 713–724. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020713.htm>.
- [Nicolau & Ryan(2004)] Nicolau, M. & Ryan, C. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1414–1425. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021414.htm>.
- [Ohnishi *et al.*(2004)] Ohnishi, Sastry, Chen, & Goldberg] Ohnishi, K., Sastry, K., Chen, Y.-P., & Goldberg, D. E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 1426–1437. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31021426.htm>.
- [O’Neill & Brabazon(2004)] O’Neill, M. & Brabazon, A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 163–174. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020163.htm>.
- [Paine & Tani(2004)] Paine, R. W. & Tani, J. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 603–614. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020603.htm>.
- [Palacios-Durazo & Valenzuela-Rendón(2004)] Palacios-Durazo, R. A. & Valenzuela-Rendón, M. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 561–572. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020561.htm>.

- [Panait *et al.*(2004)Panait, Wiegand, & Luke] Panait, L., Wiegand, R. P., & Luke, S. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 573–584. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020573.htm>.
- [Parsopoulos *et al.*(2004)Parsopoulos, Papageorgiou, Groumpos, & Vrahatis] Parsopoulos, K., Papageorgiou, E., Groumpos, P., & Vrahatis, M. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 402–413. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020402.htm>.
- [Paul & Iba(2004)] Paul, T. K. & Iba, H. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 414–425. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020414.htm>.
- [Peterson *et al.*(2004)Peterson, Doom, & Raymer] Peterson, M. R., Doom, T. E., & Raymer, M. L. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 426–437. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020426.htm>.
- [ping Chen & Goldberg(2004)] ping Chen, Y. & Goldberg, D. E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 971–982. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020971.htm>.
- [Pires *et al.*(2004)Pires, Machado, & de Moura Oliveira] Pires, E. S., Machado, J. T., & de Moura Oliveira, P. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 615–626. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020615.htm>.
- [Pulido & Coello(2004)] Pulido, G. T. & Coello, C. A. C. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 225–237. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020225.htm>.
- [qiang Qi *et al.*(2004)qiang Qi, min Song, hua Yang, da Hu, & en Zhang] 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 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 318–320. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020318.htm>.
- [Rieffel & Pollack(2004)] Rieffel, J. & Pollack, J. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 804–815. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020804.htm>.
- [Ritchie *et al.*(2004)] Ritchie, M. D., Coffey, C. S., & Moore, J. H. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 438–448. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020438.htm>.
- [Rowe & zena Hidović(2004)] Rowe, J. E. & zena Hidović, D. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 725–736. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020725.htm>.
- [Sapin *et al.*(2004)] Sapin, Bailleux, Chabrier, & Collet] Sapin, E., Bailleux, O., Chabrier, J.-J., & Collet, P. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 175–187. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020175.htm>.
- [Semet *et al.*(2004)] Semet, O'Reilly, & Durand] Semet, Y., O'Reilly, U.-M., & Durand, F. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 188–200. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020188.htm>.
- [Sheneman & Foster(2004)] Sheneman, L. & Foster, J. A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 449–460. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020449.htm>.
- [Shu *et al.*(2004)] Shu, Ho, Ho, Chen, & Hung] Shu, L.-S., Ho, S.-J., Ho, S.-Y., Chen, J.-H., & Hung, M.-H. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol.



3102 of *Lecture Notes in Computer Science*, 737–747. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020737.htm>.

- [Spieth *et al.*(2004)Spieth, Streichert, Speer, & Zell] Spieth, C., Streichert, F., Speer, N., & Zell, A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 461–470. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020461.htm>.
- [Stibor *et al.*(2004)Stibor, Bayarou, & Eckert] Stibor, T., Bayarou, K. M., & Eckert, C. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 299–307. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020299.htm>.
- [Storch(2004)] Storch, T. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 748–760. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020748.htm>.
- [Streichert *et al.*(2004)Streichert, Planatscher, Spieth, Ulmer, & Zell] Streichert, F., Planatscher, H., Spieth, C., Ulmer, H., & Zell, A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 471–480. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020471.htm>.
- [Talbot(2004)] Talbot, W. A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 201–212. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020201.htm>.
- [Tanev *et al.*(2004)Tanev, Ray, & Buller] Tanev, I., Ray, T., & Buller, A. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 627–639. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020627.htm>.
- [Tanev & Yuta(2004)] Tanev, I. & Yuta, K. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 213–224. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020213.htm>.

- [Thoma & Sanchez(2004)] Thoma, Y. & Sanchez, E. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 816–827. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020816.htm>.
- [Timmis & Edmonds(2004)] Timmis, J. & Edmonds, C. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 308–317. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020308.htm>.
- [Witt(2004)] Witt, C. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 761–773. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020761.htm>.
- [Xie & Zhang(2004a)] Xie, X.-F. & Zhang, W.-J. (2004a). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 261–262. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020261.htm>.
- [Xie & Zhang(2004b)] Xie, X.-F. & Zhang, W.-J. (2004b). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 238–250. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020238.htm>.
- [Yanai & Iba(2004)] Yanai, K. & Iba, H. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 774–785. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020774.htm>.
- [Yang *et al.*(2004)] Yang, J.-M., Shen, T.-W., Chen, Y.-F., & Chiu, Y.-Y. (2004). 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, & A. Tyrrell (Eds.), *Genetic and Evolutionary Computation – GECCO-2004, Part I*. Seattle, WA, USA: Springer-Verlag, vol. 3102 of *Lecture Notes in Computer Science*, 481–492. URL <http://link.springer.de/link/service/series/0558/bibs/3102/31020481.htm>.