Список литературы

[Agogino & Tumer(2004)] AGOGINO, A. & TUMER, K. (2004). Efficient evaluation functions for multi-rover systems. In: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer*

Science. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI,

R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J.,

HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31021006.htm.

[Chryssomalakos & Stephens(2004)] CHRYSSOMALAKOS, C. & STEPHENS, C. R. (2004). What basis for genetic dynamics? In: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31021030.htm.

[de Magalhäes *et al.*(2004)de Magalhäes, Barbosa & Dardenne] DE MAGALHÄES, C. S., BARBOSA, H. J. & DARDENNE, L. E. (2004). Selection-insertion schemes in genetic algorithms for the flexible ligand docking problem. In: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31020678.htm.

[Dicke *et al.*(2004)Dicke, Byde, Layzell & Cliff] DICKE, E., BYDE, A., LAYZELL, P. & CLIFF, D. (2004). Using a genetic algorithm to design and improve storage area network architectures. In:

Genetic and Evolutionary Computation – GECCO-2004, Part I (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA,

D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL,

A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31020590.htm.

[Iorio & Li(2004)] IORIO, A. W. & LI, X. (2004). A cooperative coevoluntionary multiobjective algorithm using non-dominated sorting. In: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P.,

DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. URL http://link.springer. de/link/service/series/0558/bibs/3102/31021272.htm.

[Julstrom & Antoniades(2004)] JULSTROM, B. A. & ANTONIADES, A. (2004). Three evolutionary codings of rectilinear steiner arborescences. In: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31020346.htm.

[Klau *et al.*(2004)Klau, Ljubic, Moser, Mutzel, Neuner, Pferschy, Raidl & Weiskircher] KLAU, G. W., LJUBIC, I., MOSER, A., MUTZEL, P., NEUNER, P., PFERSCHY, U., RAIDL, G. & WEISKIRCHER, R. (2004). Combining a memetic algorithm with integer programming to solve the prize-collecting steiner tree problem. In: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB,

K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31020356.htm.

[Kowaliw *et al.*(2004)Kowaliw, Grogono & Kharma] Kowaliw, T., Grogono, P. & Kharma, N. (2004). Bluenome: A novel developmental model of artificial morphogenesis. In: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31020117.htm.

[Liekens *et al.*(2004)Liekens, ten Eikelder & Hilbers] Liekens, A. M., ten Eikelder, H. M. & Hilbers, P. A. (2004). Predicting genetic drift in 2x2 games. In: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P.,

Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L.,

SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31020804.htm.

[Ritchie *et al.*(2004)Ritchie, Coffey & Moore] Ritchie, M. D., Coffey, C. S. & Moore, J. H. (2004). Genetic programming neural networks as a bioinformatics tool for human genetics. In: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science.* Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31020471.htm.

[Talbott(2004)] TALBOTT, W. A. (2004). Automatic creation of team-control plans using an assignment branch in genetic programming. In: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (DEB, K., POLI, R., BANZHAF, W., BEYER, H.-G., BURKE, E., DARWEN, P., DASGUPTA, D., FLOREANO, D., FOSTER, J., HARMAN, M., HOLLAND, O., LANZI, P. L., SPECTOR, L., TETTAMANZI, A., THIERENS, D. & TYRRELL, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation –*

GECCO-2004, Part I (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31020774.htm.

[Yang *et al.*(2004)Yang, Shen, Chen & Chiu] 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: *Genetic and Evolutionary Computation – GECCO-2004, Part I* (Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D. & Tyrrell, A., eds.), vol. 3102 of *Lecture Notes in Computer Science*. Seattle, WA, USA: Springer-Verlag. URL http://link.springer.de/link/service/series/0558/bibs/3102/31020481.htm.