

## Список литературы

- [Abbass(2001)] ABBASS, H. A. (2001). A single queen single worker honey-bees approach to 3-sat. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [Abou-Assaleh et al.(2001)Abou-Assaleh, Zhang & Cerpone] ABOU-ASSALEH, T., ZHANG, J. & CERPONE, N. (2001). Evolution of recurrent neural networks to control autonomous life agents. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d08.pdf>.
- [Aguilar(2001)] AGUILAR, J. (2001). Ant colony optimization. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d06.pdf>.
- [Aguilar & Cerrada(2001)] AGUILAR, J. & CERRADA, M. (2001). Fuzzy classifier system and genetic programming on system identification problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Aguilar & Leiss(2001)] AGUILAR, J. & LEISS, E. L. (2001). A data dependent loop scheduler based on genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d20.pdf>.
- [Aguirre et al.(2001)Aguirre, Tanaka & Oshita] AGUIRRE, H. E., TANAKA, K. & OSHITA, S. (2001). Increasing the robustness of distributed genetic algorithms by parallel cooperative-competitive genetic operators. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Albert & Goldberg(2001)] ALBERT, L. A. & GOLDBERG, D. E. (2001). Efficient evaluation relaxation under integrated fitness functions. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Anbarasu et al.(2001)Anbarasu, Sundararajan & Narayanasamy] ANBARASU, L. A., SUNDARARAJAN, V. & NARAYANASAMY, P. (2001). Parallel genetic algorithm for performance-driven sequence alignment. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d12.pdf>.

- [Arai & Sycara(2001)] ARAI, S. & SYCARA, K. (2001). Credit assignment method for learning effective stochastic policies in uncertain domain. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [Balling & Wilson(2001)] BALLING, R. & WILSON, S. (2001). The maximin fitness function for multi-objective evolutionary computation: Application to city planning. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/DE027.pdf>.
- [Barbosa & Barreto(2001)] BARBOSA, H. J. C. & BARRETO, A. M. S. (2001). An interactive genetic algorithm with co-evolution of weights for multiobjective problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Barry(2001)] BARRY, A. (2001). A hierarchical xcs for long path environments. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d09.pdf>.
- [Bassett *et al.*(2001)Bassett, Wiegand & De Jong] BASSETT, J. K., WIEGAND, R. P. & DE JONG, K. A. (2001). Evolving multi-agent behaviors using a tunable problem landscape. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d18.pdf>.
- [Belaidouni & Hao(2001)] BELAIDOUNI, M. & HAO, J.-K. (2001). Max-csp and fitness landscapes. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Belding(2001)] BELDING, T. C. (2001). Potholes on the royal road. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Berlanga *et al.*(2001)Berlanga, Isasi & Segovia] BERLANGA, A., ISASI, P. & SEGOVIA, J. (2001). Interactive evolutionary computation with small population to generate gestures in avatars. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [Bongard & Pfeifer(2001)] BONGARD, J. C. & PFEIFER, R. (2001). Repeated structure and dissociation of genotypic and phenotypic complexity in artificial ontogeny. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK,

- S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [Booker(2001)] BOOKER, L. B. (2001). Classifier systems, endogenous fitness, and delayed rewards: A preliminary investigation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d09.pdf>.
- [Bosman & Thierens(2001)] BOSMAN, P. A. N. & THIERENS, D. (2001). Crossing the road to efficient ideas for permutation problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Bot *et al.*(2001)Bot, Urquhart & Chisholm] BOT, M. C. J., URQUHART, N. & CHISHOLM, K. (2001). Agent motion planning with gas enhanced by memory models. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Bousonville(2001)] BOUSONVILLE, T. (2001). Local search and evolutionary computation for arc routing in garbage collection. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d19.pdf>.
- [Branke(2001)] BRANKE, J. (2001). Reducing the sampling variance when searching for robust solutions. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Branke *et al.*(2001)Branke, Schmidt & Schmeck] BRANKE, J., SCHMIDT, C. & SCHMECK, H. (2001). Efficient fitness estimation in noisy environments. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Braud & Vrain(2001)] BRAUD, A. & VRAIN, C. (2001). A study of the scalability of a data mining genetic algorithm on a distributed database. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Bruce & Miikkulainen(2001)] BRUCE, J. & MIIKKULAINEN, R. (2001). Evolving populations of expert neural networks. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.

- [Burke *et al.*(2001)Burke, Cowling, Silva & Petrovic] BURKE, E. K., COWLING, P., SILVA, J. D. L. & PETROVIC, S. (2001). Combining hybrid metaheuristics and populations for the multiobjective optimisation of space allocation problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Butz *et al.*(2001)Butz, Kovacs, Lanzi & Wilson] BUTZ, M. V., KOVACS, T., LANZI, P. L. & WILSON, S. W. (2001). How xcs evolves accurate classifiers. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d09.pdf>.
- [Butz & Pelikan(2001)] BUTZ, M. V. & PELIKAN, M. (2001). Analyzing the evolutionary pressures in xcs. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d09.pdf>.
- [Cantu-Paz(2001)] CANTU-PAZ, E. (2001). Single vs. multiple runs under constant computation cost. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/GA210.ps>.
- [Carvalho & Freitas(2001)] CARVALHO, D. R. & FREITAS, A. A. (2001). An immunological algorithm for discovering small-disjunct rules in data mining. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d08.pdf>.
- [Chen & Ho(2001a)] CHEN, H.-M. & HO, S.-Y. (2001a). Designing an optimal evolutionary fuzzy decision tree for data mining. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d09.pdf>.
- [Chen & Ho(2001b)] CHEN, J.-H. & HO, S.-Y. (2001b). Multi-objective evolutionary optimization of flexible manufacturing systems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Choi & Moon(2001)] CHOI, S.-S. & MOON, B.-R. (2001). A hybrid genetic search for the sorting network problem with evolving parallel layers. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Christensen & Oppacher(2001)] CHRISTENSEN, S. & OPPACHER, F. (2001). What can we learn from no free lunch? a first attempt to characterize the concept of a searchable function. In: *Proceedings*



- of the Genetic and Evolutionary Computation Conference (GECCO-2001) (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d23.pdf>.
- [Coelho *et al.*(2001)Coelho, Weingaertner & Von Zuben] COELHO, A. L. V., WEINGAERTNER, D. & VON ZUBEN, F. J. (2001). Evolving heterogeneous neural networks for classification problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Coello & Pulido(2001)] COELLO, C. A. & PULIDO, G. T. (2001). Multiobjective optimization using a micro-genetic algorithm. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Congdon(2001)] CONGDON, C. B. (2001). An exploration in combatting premature convergence. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Corne *et al.*(2001)Corne, Jerram, Knowles & Oates] CORNE, D. W., JERRAM, N. R., KNOWLES, J. D. & OATES, M. J. (2001). Pesa-ii: Region-based selection in evolutionary multiobjective optimization. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Correa *et al.*(2001)Correa, Steiner, Freitas & Carnieri] CORREA, E. S., STEINER, M. T. A., FREITAS, A. A. & CARNIERI, C. (2001). A genetic algorithm for the p-median problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Craenen & Eiben(2001)] CRAENEN, B. G. W. & EIBEN, A. E. (2001). Stepwise adaption of weights with refinement and decay on constraint satisfaction problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Dasgupta & Gonzalez(2001)] DASGUPTA, D. & GONZALEZ, F. A. (2001). Evolving complex fuzzy classifier rules using a linear tree genetic representation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Dastani *et al.*(2001)Dastani, Marchiori & Voorn] DASTANI, M., MARCHIORI, E. & VOORN, R. (2001). Finding perceived pattern structures using genetic programming. In: *Proceedings of the*

- Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [de Jong *et al.*(2001)de Jong, Watson & Pollack] DE JONG, E. D., WATSON, R. A. & POLLACK, J. B. (2001). Reducing bloat and promoting diversity using multi-objective methods. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [de Oliveira & Lorena(2001)] DE OLIVEIRA, A. C. M. & LORENA, L. A. N. (2001). A constructive genetic algorithm for the linear gate assignment problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Deaton(2001)] DEATON, R. (2001). Dna and quantum computers. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d11.pdf>.
- [Denzinger & Kordt(2001)] DENZINGER, J. & KORDT, M. (2001). On the influence of learning time on evolutionary online learning of cooperative behavior. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [Determan & Foster(2001)] DETERMAN, J. C. & FOSTER, J. A. (2001). A genetic algorithm for expert system rule generation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Divina & Marchiori(2001)] DIVINA, F. & MARCHIORI, E. (2001). Knowledge based evolutionary programming for inductive learning in first-order logic. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Doerner *et al.*(2001)Doerner, Hartl & Reimann] DOERNER, K. F., HARTL, R. F. & REIMANN, M. (2001). Are competants more competent for problem solving? - the case of a routing and scheduling problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d06.pdf>.
- [Downing(2001a)] DOWNING, K. L. (2001a). Adaptive genetic programs via reinforcement learning. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California,

- USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Downing(2001b)] DOWNING, K. L. (2001b). Modular designer chemistries for artificial life. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [Dozier(2001)] DOZIER, G. (2001). Evolutionary hill-climbing, virtual constraints, and recurrent dynamic csp. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Duan & Povinelli(2001)] DUAN, M. & POVINELLI, R. J. (2001). Estimating stock price predictability using genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Ekman *et al.*(2001)Ekman, Magnusson & Nordin] EKMAN, M., MAGNUSSON, A. & NORDIN, P. (2001). Two approaches for high-level evolvable hardware using function blocks. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d22.pdf>.
- [El-Maleh *et al.*(2001)El-Maleh, Sait & Shazli] EL-MALEH, A. H., SAIT, S. M. & SHAZLI, S. Z. (2001). An iterative heuristic for state justification in sequential automatic test pattern generation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d13.pdf>.
- [Elhadeef & Coley(2001)] ELHADEF, M. & COLEY, D. A. (2001). Adaptive mutation for semi-separable problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Enochs & Wainwright(2001)] ENOCHS, B. P. & WAINWRIGHT, R. L. (2001). Forging optimal solutions to the edge-coloring problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Eriksson & Lindgren(2001)] ERIKSSON, A. & LINDGREN, K. (2001). Evolution of strategies in repeated stochastic games with full information of the payoff matrix. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.

- [Espinoza *et al.*(2001)Espinoza, Minsker & Goldberg] ESPINOZA, F. P., MINSKER, B. S. & GOLDBERG, D. E. (2001). A self adaptive hybrid genetic algorithm. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Farhang-Mehr & Azarm(2001)] FARHANG-MEHR, A. & AZARM, S. (2001). Multi-objective genetic algorithms with concepts from statistical thermodynamics. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d14.pdf>.
- [Fernandez *et al.*(2001)Fernandez, Sanchez & Tomassini] FERNANDEZ, F., SANCHEZ, J. M. & TOMASSINI, M. (2001). A new methodology for the placement and routing problem based on padgp. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [French & Damper(2001)] FRENCH, R. L. B. & DAMPER, R. I. (2001). Evolving a nervous system of spiking neurons for a behaving robot. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann.
- [Frey & Leugering(2001)] FREY, C. & LEUGERING, G. (2001). Evolving strategies for global optimization - a finite state machine approach. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Fu *et al.*(2001)Fu, Wilson & Davis] FU, C., WILSON, S. W. & DAVIS, L. (2001). Studies of the xcsi classifier system on a data mining problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d10.pdf>.
- [Fuhner & Jacob(2001)] FUHNER, T. & JACOB, C. (2001). Evolvision - an evolucia visualization tool. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Fujimoto & Shimohara(2001)] FUJIMOTO, Y. & SHIMOHARA, K. (2001). Proposal of eco-evolution. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Furutani(2001)] FURUTANI, H. (2001). Study of crossover in one max problem by linkage analysis. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN,



- S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/GA148.ps>.
- [Gallagher(2001)] GALLAGHER, J. C. (2001). Evolution of dynamical neural network arrays to correct arrhythmias in a simulated human heart. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d21.pdf>.
- [Gao & Culberson(2001)] GAO, Y. & CULBERSON, J. (2001). The phase transition in nk landscapes is easy. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d23.pdf>.
- [Gargano & Edelson(2001)] GARGANO, M. L. & EDELSON, W. (2001). Optimal sequenced matroid bases solved by ga's with feasible search space including applications. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d25.pdf>.
- [Garzon & Oehmen(2001)] GARZON, M. H. & OEHMEN, C. (2001). Distributed virtual test tubes. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d11.pdf>.
- [Gen & Lee(2001)] GEN, M. & LEE, C. (2001). Reliability optimization design using hybrid nn-ga with fuzzy logic controller. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d25.pdf>.
- [Gerard & Sigaud(2001)] GERARD, P. & SIGAUD, O. (2001). Adding a generalization mechanism to yacs. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d09.pdf>.
- [Globus et al.(2001)Globus, Lawton & Wipke] GLOBUS, A., LAWTON, J. & WIPKE, T. (2001). Graph crossover. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Goldbarg & Gouvea(2001)] GOLDBARG, M. C. & GOUVEA, E. F. (2001). Extra-intracellular transgenetic algorithm. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.

- [Goldberg & Sastry(2001)] GOLDBERG, D. E. & SASTRY, K. (2001). A practical schema theorem for genetic algorithm design and tuning. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Goldberg *et al.*(2001)Goldberg, Sastry & Latoza] GOLDBERG, D. E., SASTRY, K. & LATOZA, T. (2001). On the supply of building blocks. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Goto & Sato(2001)] GOTO, R. & SATO, Y. (2001). Motion analysis of moving objects with genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann.
- [Gottlieb *et al.*(2001)Gottlieb, Julstrom, Raidl, & Rothlauf] GOTTLIEB, J., JULSTROM, B. A., RAIDL, G. R., & ROTHLAUF, F. (2001). Pruner numbers: A poor representation of spanning trees for evolutionary search. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Greene(2001)] GREENE, W. A. (2001). Non-linear bit arrangements in genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Guntsch *et al.*(2001)Guntsch, Middendorf & Schmeck] GUNTSCHE, M., MIDDENDORF, M. & SCHMECK, H. (2001). An ant colony optimization approach to dynamic tsp. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [Handa *et al.*(2001)Handa, Horiuchi, Katai, Kaneko, Konishi & Baba] HANDA, H., HORIUCHI, T., KATAI, O., KANEKO, T., KONISHI, T. & BABA, M. (2001). Fusion of coevolutionary ga and machine learning techniques through effective schema extraction. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Hart(2001)] HART, W. E. (2001). Self-adaptive evolutionary pattern search algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d14.pdf>.
- [Hartke(2001)] HARTKE, B. (2001). Global geometry optimization of atomic and molecular clusters by genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference*

- (*GECCO-2001*) (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Heckendorn(2001)] HECKENDORN, R. B. (2001). Of heisenberg and epistasis. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Hernandez et al.(2001)]Hernandez, Ribagorda, Isasi & Sierra] HERNANDEZ, J. C., RIBAGORDA, A., ISASI, P. & SIERRA, J. M. (2001). Finding near optimal parameters for linear congruential pseudorandom number generators by means of evolutionary computation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Hingston(2001)] HINGSTON, P. (2001). A genetic algorithm for regular inference. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/WFG2001a.pdf>.
- [Hornby & Pollack(2001)] HORNBY, G. S. & POLLACK, J. B. (2001). Body-brain co-evolution using l-systems as a generative encoding. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [Horng et al.(2001)]Horng, Jin & Kao] HORNG, J.-T., JIN, M.-H. & KAO, C.-Y. (2001). Solving fixed channel assignment problems by an evolutionary approach. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Howard & Roberts(2001)] HOWARD, D. & ROBERTS, S. C. (2001). Genetic programming solution of the convection-diffusion equation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Hsu & Hsu(2001)] HSU, W. W. & HSU, C.-C. (2001). The spontaneous evolution genetic algorithm for solving the traveling salesman problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Huang(2001a)] HUANG, C.-F. (2001a). An analysis of mate selection in genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.

- [Huang(2001b)] HUANG, C.-F. (2001b). Independent sampling genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Huber(2001)] HUBER, R. (2001). Estimation of mixture parameters by a hybrid ga/em method: Application to radar remote sensing data. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d25.pdf>.
- [Huber & Schell(2001)] HUBER, R. & SCHELL, T. (2001). Mixed size tournament selection. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Huhse & Zell(2001)] HUHSE, J. & ZELL, A. (2001). Evolution strategy with neighborhood attraction - a robust evolution strategy. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d13.pdf>.
- [Igel & Kreutz(2001)] IGEL, C. & KREUTZ, M. (2001). Operator adaptation in structure optimization of neural networks. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d16.pdf>.
- [Imamura & Foster(2001)] IMAMURA, K. & FOSTER, J. A. (2001). Fault-tolerant computing with n-version genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Jain et al.(2001)Jain, Pohlheim & Wegener] JAIN, B. J., POHLHEIM, H. & WEGENER, J. (2001). On termination criteria of evolutionary algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Jansen & Wegener(2001a)] JANSEN, T. & WEGENER, I. (2001a). On the utility of populations in evolutionary algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d13.pdf>.
- [Jansen & Wegener(2001b)] JANSEN, T. & WEGENER, I. (2001b). Real royal road functions - where crossover provably is essential. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.).



San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.

- [Jensen(2001a)] JENSEN, M. T. (2001a). Finding worst-case flexible schedules using coevolution. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d19.pdf>.
- [Jensen(2001b)] JENSEN, M. T. (2001b). A remark on solving minimax problems with coevolution. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Jiang et al.(2001)Jiang, Szeto, Luo & Hu] JIANG, R., SZETO, K. Y., LUO, Y. & HU, D. (2001). A genetic algorithm architecture by coordinating exploration and exploitation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Jimenez et al.(2001)Jimenez, Abderraman, Cuesta, & Winter] JIMENEZ, J. A., ABDERRAMAN, J. C., CUESTA, P. D., & WINTER, G. (2001). Solving elliptical partial differential equations in a natural way. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann.
- [Jin et al.(2001a)Jin, Leung & Wong] JIN, H.-D., LEUNG, K.-S. & WONG, M.-L. (2001a). Genetic-guided model-based clustering analysis. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Jin et al.(2001b)Jin, Olhofer & Sendhoff] JIN, Y., OLHOFER, M. & SENDHOFF, B. (2001b). Dynamic weighted aggregation for evolutionary multi-objective optimization: Why does it work and how? In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d13.pdf>.
- [Johnson(2001)] JOHNSON, E. L. (2001). Genetic algorithms as algorithm adversaries. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Katagiri et al.(2001)Katagiri, Hirasawa, Hu & Murata] KATAGIRI, H., HIRASAWA, K., HU, J. & MURATA, J. (2001). Network structure oriented evolutionary model – genetic network programming—and its comparison with. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.

- [Kee *et al.*(2001)Kee, Airey & Cyre] KEE, E., AIREY, S. & CYRE, W. (2001). An adaptive genetic algorithm. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Keijzer *et al.*(2001)Keijzer, Babovic, Ryan, O'Neill & Cattolico] KEIJZER, M., BABOVIC, V., RYAN, C., O'NEILL, M. & CATTOLICO, M. (2001). Adaptive logic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Keller & Banzhaf(2001)] KELLER, R. E. & BANZHAF, W. (2001). Evolution of genetic code on a hard problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Kennedy & Osborn(2001)] KENNEDY, P. J. & OSBORN, T. R. (2001). A double-stranded encoding scheme with inversion operator for genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Keymeulen *et al.*(2001)Keymeulen, Stoica, Buehler, Zebulum & Duong] KEYMEULEN, D., STOICA, A., BUEHLER, M., ZEBULUM, R. & DUONG, V. (2001). Evolutionary mechanisms for smart on-board adaptive sensing applied to the meca electrometer. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d21.pdf>.
- [Kim & Bentley(2001)] KIM, J. & BENTLEY, P. J. (2001). An evaluation of negative selection in an artificial immune system for network intrusion detection. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Kim & Moon(2001a)] KIM, J.-H. & MOON, B.-R. (2001a). Adaptive and dynamic elevator group control with a genetic algorithm. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Kim & Moon(2001b)] KIM, J.-P. & MOON, B.-R. (2001b). A hybrid genetic search for multi-way graph partitioning based on direct partitioning. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Kim *et al.*(2001)Kim, Kim & Moon] KIM, S.-H., KIM, Y.-H. & MOON, B.-R. (2001). A hybrid genetic algorithm for the max cut problem. In: *Proceedings of the Genetic and Evolutionary*

- Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Knowles & Corne(2001)] KNOWLES, J. D. & CORNE, D. W. (2001). Benchmark problem generators and results for the multiobjective degree-constrained minimum spanning tree problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Koizumi *et al.*(2001)Koizumi, Wakabayashi, Koide, Fujiwara & Imura] KOIZUMI, S., WAKABAYASHI, S., KOIDE, T., FUJIWARA, K. & IMURA, N. (2001). A risc processor for high-speed execution of genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Kordon & Smits(2001)] KORDON, A. K. & SMITS, G. F. (2001). Soft sensor development using genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Korkmaz & Ucoluk(2001)] KORKMAZ, E. E. & UCOLUK, G. (2001). Controlling the genetic programming search. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Kosorukoff *et al.*(2001)Kosorukoff, Mittenenthal & Goldberg] KOSORUKOFF, A., MITTENTHAL, J. & GOLDBERG, D. (2001). Modeling of evolution of signaling networks in living cells by evolutionary computation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d08.pdf>.
- [Koza *et al.*(2001)Koza, Mydlowec, Lanza, Yu & Keane] KOZA, J. R., MYDLOWEC, W., LANZA, G., YU, J. & KEANE, M. A. (2001). Automatic synthesis of both the topology and sizing of metabolic pathways using genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL [http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/koza\\_gecco2001.pdf](http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/koza_gecco2001.pdf).
- [Krasnogor & Smith(2001)] KRASNOGOR, N. & SMITH, J. (2001). Emergence of profitable search strategies based on a simple inheritance mechanism. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Krink *et al.*(2001)Krink, Ursem & Filipic] KRINK, T., URSEM, R. K. & FILIPIC, B. (2001). Evolutionary algorithms in control optimization: The greenhouse problem. In: *Proceedings of the*

- Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Kwon & Moon(2001)] KWON, Y.-K. & MOON, B.-R. (2001). Personalized email marketing with a genetic programming circuit model. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Langdon & Buxton(2001)] LANGDON, W. B. & BUXTON, B. F. (2001). Genetic programming for combining classifiers. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Lanzi(2001)] LANZI, P. L. (2001). Mining interesting knowledge from data with the xcs classifier system. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d09.pdf>.
- [Lee & Antonsson(2001)] LEE, C.-Y. & ANTONSSON, E. K. (2001). Adaptive evolvability via non-coding segment induced linkage. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Li & Kwan(2001)] LI, J. & KWAN, R. S. K. (2001). A fuzzy theory based evolutionary approach for driver scheduling. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d19.pdf>.
- [Li et al.(2001)Li, Xin, Kikuchi & Saitou] LI, Y., XIN, X., KIKUCHI, N. & SAITOU, K. (2001). Optimal shape and location of piezoelectric materials for topology optimization of flextensional actuators. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d15.pdf>.
- [Liu et al.(2001)Liu, Swift & Tucker] LIU, X., SWIFT, S. & TUCKER, A. (2001). Using evolutionary algorithms to tackle large scale grouping problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Liu(2001)] LIU, Y. (2001). How to evolve a cooperative population by minimizing mutual information. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California,



- USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d16.pdf>.
- [Llora & Garrell(2001)] LLORA, X. & GARRELL, J. M. (2001). Knowledge-independent data mining with fine-grained parallel evolutionary algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03a.pdf>.
- [Lorenc(2001)] LORENC, B. (2001). Multidimensional scaling using evolutionary computation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d25.pdf>.
- [Lovbjerg et al.(2001)Lovbjerg, Rasmussen & Krink] LOVBJERG, M., RASMUSSEN, T. K. & KRINK, T. (2001). Hybrid particle swarm optimiser with breeding and subpopulations. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Luke(2001)] LUKE, S. (2001). When short runs beat long runs. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Luke & Panait(2001)] LUKE, S. & PANAIT, L. (2001). A survey and comparison of tree generation algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Mao et al.(2001)Mao, Hirasawa, Hu & Murata] MAO, J., HIRASAWA, K., HU, J. & MURATA, J. (2001). Genetic symbiosis algorithm for multiobjective optimization problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Martin(2001a)] MARTIN, M. C. (2001a). Visual obstacle avoidance using genetic programming: First results. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d17.pdf>.
- [Martin(2001b)] MARTIN, P. (2001b). Building a taxonomy of genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Matsui & ichi Tokoro(2001)] MATSUI, S. & ICHI TOKORO, K. (2001). Improving the performance of a genetic algorithm for minimum span frequency assignment problem with an adaptive mutation rate and a new initialization method. In: *Proceedings of the Genetic and*

- Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Mehrotra *et al.*(2001)Mehrotra, Karr & Zeiler] MEHROTRA, R., KARR, C. L. & ZEILER, T. A. (2001). Application of genetic algorithm to determining worst-case gust loads and the dynamic response of aircraft structures. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d25.pdf>.
- [Mendes *et al.*(2001)Mendes, de B. Voznika, Nievola & Freitas] MENDES, R. R. F., DE B. VOZNIKA, F., NIEVOLA, J. C. & FREITAS, A. A. (2001). Discovering fuzzy classification rules with genetic programming and co-evolution. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Menon(2001)] MENON, A. (2001). Building blocks: A combinatorial road to greed. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Michaud *et al.*(2001)Michaud, Zydallis, Lamont, Harmer & Pachter] MICHAUD, S. R., ZYDALLIS, J. B., LAMONT, G. B., HARMER, P. K. & PACHTER, R. (2001). Protein structure prediction with ea immunological computation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Miconi(2001)] MICONI, T. (2001). A collective genetic algorithm. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [Miki *et al.*(2001)Miki, Hiroyasu & Mizuta] MIKI, M., HIROYASU, T. & MIZUTA, T. (2001). A new parallel distributed genetic algorithm applied to traveling salesman problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Miller(2001)] MILLER, J. (2001). Evolution of program size in cartesian genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Monsieurs & Flerackers(2001)] MONSIEURS, P. & FLERACKERS, E. (2001). Increasing the diversity of a population in genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.

- M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Montana(2001)] MONTANA, D. J. (2001). A reconfigurable optimizing scheduler. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d19.pdf>.
- [Moore & Hahn(2001)] MOORE, J. H. & HAHN, L. W. (2001). Multilocus pattern recognition using cellular automata and parallel genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d25.pdf>.
- [Murata *et al.*(2001)Murata, Kawakami, Nozawa, Gen & Ishibuchi] MURATA, T., KAWAKAMI, S., NOZAWA, H., GEN, M. & ISHIBUCHI, H. (2001). Three-objective genetic algorithms for designing compact fuzzy rule-based systems for pattern classification problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Naudts *et al.*(2001)Naudts, Schoofs & Verschoren] NAUDTS, B., SCHOOF, L. & VERSCHOREN, A. (2001). Moments of schema fitness distributions for multary alphabets. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Nawa *et al.*(2001)Nawa, Shimohara & Katai] NAWA, N. E., SHIMOHARA, K. & KATAI, O. (2001). Equilibrium selection in a sequential multi-issue bargaining model using evolutionary algorithms: A preliminary study. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d08.pdf>.
- [Neri(2001)] NERI, F. (2001). Relating two cooperative learning strategies to the features of the found concept description. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d10.pdf>.
- [Nikolaev & Iba(2001)] NIKOLAEV, N. & IBA, H. (2001). Genetic programming using chebishev polynomials. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Noble & Watson(2001)] NOBLE, J. & WATSON, R. A. (2001). Pareto coevolution: Using performance against coevolved opponents in a game as dimensions for pareto selection. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.

- [Nomura(2001)] NOMURA, T. (2001). Behavior analysis of real-valued evolutionary algorithms for independent loci in an infinite population. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Oliveira et al.(2001)Oliveira, de Oliveira & Omar] OLIVEIRA, G. M. B., DE OLIVEIRA, P. P. B. & OMAR, N. (2001). Using heuristics related to cellular automata behavior forecast to improve genetic search for a grouping task. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [O'Neill et al.(2001a)O'Neill, Brabazon, Ryan & Collins] O'NEILL, M., BRABAZON, T., RYAN, C. & COLLINS, J. J. (2001a). Developing a market timing system using grammatical evolution. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [O'Neill et al.(2001b)O'Neill, Ryan & Nicolau] O'NEILL, M., RYAN, C. & NICOLAU, M. (2001b). Grammar defined introns: An investigation into grammars, introns, and bias in grammatical evolution. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Ortmann & Weber(2001)] ORTMANN, M. & WEBER, W. (2001). Calculating robot trajectories with parallel evolutionary strategies. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d25.pdf>.
- [Parker(2001)] PARKER, G. B. (2001). The incremental evolution of gaits for hexapod robots. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d17.pdf>.
- [Parpinelli et al.(2001)Parpinelli, Lopes & Freitas] PARPINELLI, R. S., LOPES, H. S. & FREITAS, A. A. (2001). An ant colony based system for data mining: Applications to medical data. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/GECCO-2001-Raf.ps>.
- [Parthasarathy et al.(2001)Parthasarathy, Goldberg & Burns] PARTHASARATHY, P. V., GOLDBERG, D. E. & BURNS, S. A. (2001). Tackling multimodal problems in hybrid genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.



- [Paton(2001)] PATON, A. R. (2001). Computing with membranes: P systems with dna-worms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d12.pdf>.
- [Patrignani(2001)] PATRIGNANI, M. (2001). Stability of arbitrary genes: a new approach to cooperation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d08.pdf>.
- [Pech-Gourg & Hao(2001)] PECH-GOURG, N. & HAO, J.-K. (2001). A genetic algorithm for the classification of natural corks. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Pedrycz & Reformat(2001)] PEDRYCZ, W. & REFORMAT, M. (2001). Evolutionary optimization of logic-oriented systems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Pei & Goodman(2001)] PEI, H. & GOODMAN, E. (2001). A comparison of cohort genetic algorithms with canonical serial and island-model distributed ga's. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/GA125.pdf>.
- [Pelikan & Goldberg(2001)] PELIKAN, M. & GOLDBERG, D. E. (2001). Escaping hierarchical traps with competent genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Pelikan et al.(2001)Pelikan, Goldberg & Sastry] PELIKAN, M., GOLDBERG, D. E. & SASTRY, K. (2001). Bayesian optimization algorithm, decision graphs, and occam's razor. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Pereira & Costa(2001)] PEREIRA, F. B. & COSTA, E. (2001). Understanding the role of learning in the evolution of busy beavers: a comparison between the baldwin effect and a lamarckian strategy. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [Pesic et al.(2001)Pesic, Durand & Alliot] PESIC, B., DURAND, N. & ALLIOT, J.-M. (2001). Aircraft ground traffic optimisation using a genetic algorithm. In: *Proceedings of the Genetic and*

- Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Pindor(2001)] PINDOR, A. J. (2001). Ga313 genetic algorithm for systems with 2d genotype. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Poland & Zell(2001)] POLAND, J. & ZELL, A. (2001). Main vector adaptation: A cma variant with linear time and space complexity. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d13.pdf>.
- [Poli & McPhee(2001)] POLI, R. & MCPHEE, N. F. (2001). Exact schema theory for gp and variable-length gas with homologous crossover. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Poli et al.(2001)Poli, Rowe & McPhee] POLI, R., ROWE, J. E. & MCPHEE, N. F. (2001). Markov chain models for gp and variable-length gas with homologous crossover. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Poon & Prasher(2001)] POON, J. & PRASHER, S. (2001). A hybrid approach to support interactive data mining. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Portmann & Aloulou(2001)] PORTMANN, M.-C. & ALOULOU, M.-A. (2001). Data oriented genetic operators for one-machine scheduling problems'. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d20.pdf>.
- [Potvin & De Ladurantaye(2001)] POTVIN, J.-Y. & DE LADURANTAYE, D. (2001). A hybrid genetic algorithm for the generalized traveling salesman problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d19.pdf>.
- [Poupaert & Deville(2001)] POUPAERT, E. & DEVILLE, Y. (2001). Acceptance driven local search and evolutionary algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d19.pdf>.

- [Qi & Sun(2001)] QI, D. & SUN, R. (2001). Ga-based multi-agent reinforcement learning for playing backgammon. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Reed *et al.*(2001)Reed, Minsker & Goldberg] REED, P. M., MINSKER, B. S. & GOLDBERG, D. E. (2001). Designing a new elitist nondominated sorted genetic algorithm for a multiobjective long term groundwater monitoring application. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d25.pdf>.
- [Rhyne, II & Smith, III(2001)] RHYNE, II, R. D. & SMITH, III, J. F. (2001). A game based approach to co-evolutionary optimization. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d08.pdf>.
- [Riopka & Bock(2001)] RIOPKA, T. P. & BOCK, P. (2001). The relevance of genotypic learning in the clga. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Roberts *et al.*(2001)Roberts, Howard & Koza] ROBERTS, S. C., HOWARD, D. & KOZA, J. R. (2001). Subtree encapsulation versus adfs in gp for parity problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Roos(2001)] ROOS, R. S. (2001). The patchy ga and domination problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Ross(2001)] ROSS, B. J. (2001). The evaluation of a stochastic regular motif language for protein sequences. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Rowe & McPhee(2001)] ROWE, J. E. & MCPHEE, N. F. (2001). The effects of crossover and mutation operators on variable length linear structures. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Ryan *et al.*(2001)Ryan, O'Neill & Azad] RYAN, C., O'NEILL, M. & AZAD, A. (2001). No coercion and no prohibition - a position independent encoding scheme for evolutionary algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*

- (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Rychtyckj & Reynolds(2001)] RYCHTYCKYJ, N. & REYNOLDS, R. G. (2001). Using cultural algorithms to improve knowledge base maintainability. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Rylander *et al.*(2001)]Rylander, Soule, Foster & Alves-Foss] RYLANDER, B., SOULE, T., FOSTER, J. & ALVES-FOSS, J. (2001). Quantum evolutionary programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d11.pdf>.
- [Sait *et al.*(2001)]Sait, Youssef & Khan] SAIT, S. M., YOUSSEF, H. & KHAN, J. A. (2001). Fuzzy evolutionary algorithm for vlsi placement. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d13.pdf>.
- [Santana *et al.*(2001a)]Santana, Ochoa-Rodriguez & Soto] SANTANA, R., OCHOA-RODRIGUEZ, A. & SOTO, M. R. (2001a). A factorized distribution algorithm for problems with integer representation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Santana *et al.*(2001b)]Santana, Ochoa-Rodriguez & Soto] SANTANA, R., OCHOA-RODRIGUEZ, A. & SOTO, M. R. (2001b). The mixture of trees factorized distribution algorithm. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Sastry & Goldberg(2001)] SASTRY, K. & GOLDBERG, D. E. (2001). Modeling tournament selection with replacement using apparent added noise. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Sastry *et al.*(2001)]Sastry, Goldberg & Pelikan] SASTRY, K., GOLDBERG, D. E. & PELIKAN, M. (2001). Don't evaluate, inherit. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Sato(2001)] SATO, Y. (2001). Proposal for a register transfer level evolution on a microprocessor incorporated flash memory. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.).



San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d22.pdf>.

- [Sbalzarini *et al.*(2001)] Sbalzarini, Muller, Koumoutsakos & Cottet] SBALZARINI, I. F., MULLER, S. D., KOUMOUTSAKOS, P. D. & COTTET, G.-H. (2001). Evolution strategies for computational and experimental fluid dynamic applications. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/ES186.ps>.
- [Schloman & Blackford(2001)] SCHLOMAN, J. & BLACKFORD, B. (2001). Genetic programming evolves a human-competitive player for a complex, on-line, interactive, multi-player game of strategy. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Schmiedle *et al.*(2001)] Schmiedle, Drechsler, Grosse & Drechsler] SCHMIEDLE, F., DRECHSLER, N., GROSSE, D. & DRECHSLER, R. (2001). Priorities in multi-objective optimization for genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Schmitt & Rothlauf(2001)] SCHMITT, F. & ROTHLAUF, F. (2001). On the importance of the second largest eigenvalue on the convergence rate of genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Schumacher *et al.*(2001)] Schumacher, Vose & Whitley] SCHUMACHER, C., VOSE, M. D. & WHITLEY, L. D. (2001). The no free lunch and problem description length. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Sehitoglu & Ucoluk(2001)] SEHITOGLU, O. T. & UCOLUK, G. (2001). A building block favoring reordering method for gene positions in genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Seo *et al.*(2001)] Seo, Goodman & Rosenberg] SEO, K., GOODMAN, E. D. & ROSENBERG, R. C. (2001). First steps toward automated design of mechatronic systems using bond graphs and genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Shibata & Fujii(2001)] SHIBATA, H. & FUJII, N. (2001). Analog circuit synthesis based on reuse of topological features of prototype circuits. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU,

- A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann.
- [Shimodaira(2001)] SHIMODAIRA, H. (2001). A diversity-control-oriented genetic algorithm (dcga): Performance improvement by the reinitialization of the population. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Simoes & Costa(2001)] SIMOES, A. & COSTA, E. (2001). On biologically inspired genetic operators: Transformation in the standard genetic algorithm. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Sinha & Goldberg(2001)] SINHA, A. & GOLDBERG, D. E. (2001). Verification and extension of the theory of global-local hybrids. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Smith(2001)] SMITH, J. (2001). Modelling gas with self adaptive mutation rates. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Soh *et al.*(2001)Soh, Tsatsoulis, Jones & Agah] SOH, L.-K., TSATSOULIS, C., JONES, M. E. & AGAH, A. (2001). Evolving cases for case-based reasoning multiagent negotiations. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d08.pdf>.
- [Someya & Yamamura(2001)] SOMEYA, H. & YAMAMURA, M. (2001). Toroidal search space conversion for robust real-coded genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Soper & Walshaw(2001)] SOPER, A. & WALSHAW, C. (2001). A generational scheme for partitioning graphs. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Soule(2001)] SOULE, T. (2001). Using genetic algorithms to evolve cooperative teams. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Soule & Ball(2001)] SOULE, T. & BALL, A. E. (2001). A genetic algorithm with multiple reading frames. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN,

- M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Soule & Heckendorn(2001)] SOULE, T. & HECKENDORN, R. B. (2001). Function sets in genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Spector(2001)] SPECTOR, L. (2001). Autoconstructive evolution: Push, pushgp, and pushpop. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Spector *et al.*(2001)] SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E. (eds.) (2001). *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*. San Francisco, California, USA: Morgan Kaufmann.
- [Srivastava & Goldberg(2001)] SRIVASTAVA, R. P. & GOLDBERG, D. E. (2001). Verification of the theory of genetic algorithm continuation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Stephens(2001)] STEPHENS, C. R. (2001). Some exact results from a coarse grained formulation of genetic dynamics. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/GA230.ps>.
- [Streeter & Becker(2001)] STREETER, M. & BECKER, L. A. (2001). Automated discovery of numerical approximation formulae via genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.
- [Suzuki & Sawai(2001)] SUZUKI, H. & SAWAI, H. (2001). Schema evolution equation using quasi-schema representation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Tamaddoni-Nezhad & Muggleton(2001)] TAMADDONI-NEZHAD, A. & MUGGLETON, S. (2001). Using genetic algorithms for learning clauses in first-order logic. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.

- [Tan *et al.*(2001a)Tan, Khor, Heng & Lee] TAN, K. C., KHOR, E. F., HENG, C. M. & LEE, T. H. (2001a). Exploratory multi-objective evolutionary algorithm: Performance study and comparisons. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Tan *et al.*(2001b)Tan, Lee, Khor, Heng & Khoo] TAN, K. C., LEE, T. H., KHOR, E. F., HENG, C. M. & KHOO, D. (2001b). Nonlinear constraint handling technique via angular transformation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Teich *et al.*(2001a)Teich, Fischer, Vogel & Fischer] TEICH, T., FISCHER, M., VOGEL, A. & FISCHER, J. (2001a). A new ant colony algorithm for the job shop scheduling problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d06.pdf>.
- [Teich *et al.*(2001b)Teich, Meier & Schallner] TEICH, T., MEIER, H. & SCHALLNER, H. (2001b). Application service providing for shop floor scheduling in non-hierarchical regional production networks using genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d25.pdf>.
- [Thierens & Bosman(2001)] THIERENS, D. & BOSMAN, P. A. N. (2001). Multi-objective mixture-based iterated density estimation evolutionary algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Tiwari *et al.*(2001)Tiwari, Roy, Jared & Munaux] TIWARI, A., ROY, R., JARED, G. & MUNAUX, O. (2001). Interaction and multi-objective optimisation. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Tomlinson & Bull(2001)] TOMLINSON, A. & BULL, L. (2001). Cxcs: Improvements and corporate generalization. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d09.pdf>.
- [Topchy & Punch(2001)] TOPCHY, A. & PUNCH, W. F. (2001). Faster genetic programming based on local gradient search of numeric leaf values. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d01.pdf>.



- [Toshine *et al.*(2001)Toshine, Iwauchi, Wakabayashi, Koide & Nishimura] TOSHINE, N., IWAUCHI, N., WAKABAYASHI, S., KOIDE, T. & NISHIMURA, I. (2001). A parallel genetic algorithm with adaptive adjustment of genetic parameters. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Tsai *et al.*(2001)Tsai, Yang & Kao] TSAI, H.-K., YANG, J.-M. & KAO, C.-Y. (2001). A genetic algorithm for traveling salesman problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Tsutsui *et al.*(2001)Tsutsui, Goldberg & Sastry] TSUTSUI, S., GOLDBERG, D. E. & SASTRY, K. (2001). Simplex crossover and linkage learning in real-coded gas. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Tyni & Ylinen(2001)] TYNI, T. & YLINEN, J. (2001). Genetic algorithms in elevator car routing problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann.
- [Uchibe *et al.*(2001)Uchibe, Yanase & Asada] UCHIBE, E., YANASE, M. & ASADA, M. (2001). Evolution for behavior selection accelerated by activation/termination constraints. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d17.pdf>.
- [van Bragt & La Poutre(2001)] VAN BRAGT, D. D. B. & LA POUTRE, J. A. (2001). Generating efficient automata for negotiations - an exploration with evolutionary algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d16.pdf>.
- [van den Bergh & Engelbrecht(2001)] VAN DEN BERGH, F. & ENGELBRECHT, A. P. (2001). Effects of swarm size on cooperative particle swarm optimisers. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d07.pdf>.
- [van Hemert & Jansen(2001)] VAN HEMERT, J. I. & JANSEN, M. L. M. (2001). An engineering approach to evolutionary art. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.
- [Van Hoyweghen *et al.*(2001)Van Hoyweghen, Goldberg & Naudts] VAN HOYWEGHEN, C., GOLDBERG, D. E. & NAUDTS, B. (2001). Building block superiority, multimodality and

- synchronization problems. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Vanyi(2001)] VANYI, R. (2001). Fitness functions for generated binary images. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Vanyi & Kokai(2001)] VANYI, R. & KOKAI, G. (2001). Giving structural descriptions of tree-like objects from binary images using genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/GP174.ps>.
- [Vazquez(2001)] VAZQUEZ, M. (2001). A comparison of genetic algorithms and tabu search techniques for the resource-constrained project scheduling problem. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d20.pdf>.
- [Vitrano & Povinelli(2001)] VITRANO, J. B. & POVINELLI, R. J. (2001). Selecting dimensions and delay values for a time-delay embedding using a genetic algorithm. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Vrajitoru(2001)] VRAJITORU, D. (2001). Nested genetic algorithms with problem division. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d04.pdf>.
- [Wakabayashi & Ohsako(2001)] WAKABAYASHI, S. & OHSAKO, M. (2001). A genetic algorithm for generating a steiner tree with wire sizing and buffer insertion. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.
- [Watson & Pollack(2001)] WATSON, R. A. & POLLACK, J. B. (2001). Coevolutionary dynamics in a minimal substrate. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Weinert & Stautner(2001)] WEINERT, K. & STAUTNER, M. (2001). Reconstruction of particle flow mechanisms with symbolic regression via genetic programming. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d24.pdf>.

- [Weinert *et al.*(2001)Weinert, Surmann & Mehnen] WEINERT, K., SURMANN, T. & MEHNEN, J. (2001). Evolutionary surface reconstruction using csg-nurbs-hybrids. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d25.pdf>.
- [Wiegand *et al.*(2001)Wiegand, Liles & De Jong] WIEGAND, R. P., LILES, W. C. & DE JONG, K. A. (2001). An empirical analysis of collaboration methods in cooperative coevolutionary algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d23.pdf>.
- [Wiles *et al.*(2001)Wiles, Schulz, Hallinan, Bolland & Tonkes] WILES, J., SCHULZ, R., HALLINAN, J., BOLLAND, S. & TONKES, B. (2001). Probing the persistent question marks. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Wilson(2001)] WILSON, S. W. (2001). Function approximation with a classifier system. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d09.pdf>.
- [Wright & Agapie(2001)] WRIGHT, A. H. & AGAPIE, A. (2001). Cyclic and chaotic behavior in genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Wright & Farmani(2001)] WRIGHT, J. A. & FARMANI, R. (2001). Genetic algorithms: A fitness formulation for constrained minimization. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Wu *et al.*(2001)Wu, Jin, Schiavone & Lin] WU, A. S., JIN, S., SCHIAVONE, G. & LIN, K.-C. (2001). An incremental fitness function for partitioning parallel tasks. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Wu & Azarm(2001)] WU, J. & AZARM, S. (2001). On a new constraint handling technique for multi-objective genetic algorithms. In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d03b.pdf>.
- [Yeh & Chen(2001)] YEH, C.-H. & CHEN, S.-H. (2001). The differences between social and individual learning on the time series properties: The approach based on genetic programming.

In: *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (SPECTOR, L., GOODMAN, E. D., WU, A., LANGDON, W., VOIGT, H.-M., GEN, M., SEN, S., DORIGO, M., PEZESHK, S., GARZON, M. H. & BURKE, E., eds.). San Francisco, California, USA: Morgan Kaufmann. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2001/d02.pdf>.