

## Список литературы

- [Abbas(2010)] ABBAS, H. M. (2010). Mixed-coded evolutionary algorithm for gaussian mixture maximum likelihood clustering with model selection. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Addicoat & Brain(2010)] ADDICOAT, M. A. & BRAIN, Z. E. (2010). Using a meta-ga for parametric optimization of simple gas in the computational chemistry domain. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Afridi et al.(2010)Afridi, Manzoor, Rasheed, Ahmed & Faraz] AFRIDI, M. J., MANZOOR, S., RASHEED, U., AHMED, M. & FARAZ, K. (2010). Performance evaluation of evolutionary algorithms for road detection. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Ahalpara(2010)] AHALPARA, D. P. (2010). Improved forecasting of time series data of real system using genetic programming. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Akimoto et al.(2010)Akimoto, Nagata, Ono & Kobayashi] AKIMOTO, Y., NAGATA, Y., ONO, I. & KOBAYASHI, S. (2010). Theoretical analysis of evolutionary computation on continuously differentiable functions. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Al-Betar et al.(2010)Al-Betar, Khader & Nadi] AL-BETAR, M. A., KHADER, A. T. & NADI, F. (2010). Selection mechanisms in memory consideration for examination timetabling with harmony search. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Alonso et al.(2010)Alonso, Martínez, Santamaría, Pérez & Valente] ALONSO, F., MARTÍNEZ, L., SANTAMARÍA, A., PÉREZ, A. & VALENTE, J. P. (2010). Ggpp-based method for modeling time series: operator selection, parameter optimization and expert evaluation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N.,

- MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Álvaro Fialho *et al.*(2010)Álvaro Fialho, Schoenauer & Sebag] ÁLVARO FIALHO, SCHOENAUER, M. & SEBAG, M. (2010). Toward comparison-based adaptive operator selection. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Arnold & Hansen(2010)] ARNOLD, D. V. & HANSEN, N. (2010). Active covariance matrix adaptation for the (1+1)-cma-es. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Atilgan & Hu(2010)] ATILGAN, E. & HU, J. (2010). Efficient protein-ligand docking using sustainable evolutionary algorithm. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Auerbach & Bongard(2010)] AUERBACH, J. E. & BONGARD, J. C. (2010). Evolving cppns to grow three-dimensional physical structures. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Augusto *et al.*(2010)Augusto, Barbosa & Ebecken] AUGUSTO, D. A., BARBOSA, H. J. C. & EBECKEN, N. F. F. (2010). Coevolutionary multi-population genetic programming for data classification. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Avery & Louis(2010)] AVERY, P. & LOUIS, S. (2010). Coevolving influence maps for spatial team tactics in a rts game. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Azad & Ryan(2010)] AZAD, R. M. A. & RYAN, C. (2010). Abstract functions and lifetime learning in genetic programming for symbolic regression. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

- [Barrero *et al.*(2010)Barrero, Camacho & R-Moreno] BARRERO, D. F., CAMACHO, D. & R-MORENO, M. D. (2010). Confidence intervals of success rates in evolutionary computation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Barreto *et al.*(2010)Barreto, Bernardino & Barbosa] BARRETO, A. M., BERNARDINO, H. S. & BARBOSA, H. J. (2010). Probabilistic performance profiles for the experimental evaluation of stochastic algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Behdad *et al.*(2010)Behdad, French, Barone & Bennamoun] BEHDAD, M., FRENCH, T., BARONE, L. & BENNAMOUN, M. (2010). On the problems of using learning classifier systems for fraud detection. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Benjamin & Julstrom(2010)] BENJAMIN, J. & JULSTROM, B. A. (2010). Breaking ties with secondary fitness in a genetic algorithm for the bin packing problem. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Berghammer *et al.*(2010)Berghammer, Friedrich & Neumann] BERGHAMMER, R., FRIEDRICH, T. & NEUMANN, F. (2010). Set-based multi-objective optimization, indicators, and deteriorative cycles. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Bhowan *et al.*(2010)Bhowan, Zhang & Johnston] BHOWAN, U., ZHANG, M. & JOHNSTON, M. (2010). Auc analysis of the pareto-front using multi-objective gp for classification with unbalanced data. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Bibai *et al.*(2010)Bibai, Saveant, Schoenauer & Vidal] BIBAI, J., SAVEANT, P., SCHOENAUER, M. & VIDAL, V. (2010). On the generality of parameter tuning in evolutionary planning. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

- [Bongard & Hornby(2010)] BONGARD, J. C. & HORNBY, G. S. (2010). Guarding against premature convergence while accelerating evolutionary search. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Borges *et al.*(2010)Borges, Alonso & Montana] BORGES, C. E., ALONSO, C. L. & MONTANA, J. L. (2010). Model selection in genetic programming. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Bosman(2010)] BOSMAN, P. A. (2010). The anticipated mean shift and cluster registration in mixture-based edas for multi-objective optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Bringmann & Friedrich(2010)] BRINGMANN, K. & FRIEDRICH, T. (2010). The maximum hypervolume set yields near-optimal approximation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Brown & Huber(2010)] BROWN, J. B. & HUBER, M. (2010). Pseudo-hierarchical ant-based clustering using a heterogeneous agent hierarchy and automatic boundary formation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Buryan & Kubalik(2010)] BURYAN, P. & KUBALIK, J. (2010). Context-sensitive refinements for stochasticoptimization algorithms in inductive logic programming. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Carlson & Hougen(2010)] CARLSON, B. P. & HOUGEN, D. F. (2010). Phenotype feedback genetic algorithm operators for heuristic encoding of snakes within hypercubes. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Ceriani *et al.*(2010)Ceriani, Ferrandi, Lanzi, Sciuto & Tumeo] CERIANI, M., FERRANDI, F., LANZI, P. L., SCIUTO, D. & TUMEO, A. (2010). Multiprocessor systems-on-chip synthesis using multi-objective evolutionary computation. In: *GECCO '10: Proceedings of the 12th annual conference*

- on *Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Chen *et al.*(2010)Chen, He & Zhang] CHEN, Z., HE, Z. & ZHANG, C. (2010). Particle swarm optimizer with self-adjusting neighborhoods. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Chicano *et al.*(2010)Chicano, Luque & Alba] CHICANO, F., LUQUE, G. & ALBA, E. (2010). Elementary landscape decomposition of the quadratic assignment problem. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Choi *et al.*(2010)Choi, Koo & Moon] CHOI, Y.-S., KOO, B.-K. & MOON, B.-R. (2010). Optimization of an image set by genetic feature selection for real-time photomosaics. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Chuang & Hsu(2010)] CHUANG, C.-Y. & HSU, W.-L. (2010). Multivariate multi-model approach for globally multimodal problems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Chwatal *et al.*(2010)Chwatal, Raidl & Zöch] CHWATAL, A. M., RAIDL, G. R. & ZÖCH, M. (2010). Fitting multi-planet transit models to photometric time-data series by evolution strategies. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Clune *et al.*(2010)Clune, Beckmann, McKinley & Ofria] CLUNE, J., BECKMANN, B. E., MCKINLEY, P. K. & OFRIA, C. (2010). Investigating whether hyperneat produces modular neural networks. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Collier & Wineberg(2010)] COLLIER, R. & WINEBERG, M. (2010). Approaches to multidimensional scaling for adaptive landscape visualization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J.,

- COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Colmenar *et al.*(2010)Colmenar, Risco-Martín, Atienza, Garnica, Hidalgo & Lanchares] COLMENAR, J. M., RISCO-MARTÍN, J. L., ATIENZA, D., GARNICA, O., HIDALGO, J. I. & LANCHARES, J. (2010). Improving reliability of embedded systems through dynamic memory manager optimization using grammatical evolution. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Connelly *et al.*(2010)Connelly, Beckmann & McKinley] CONNELLY, B. D., BECKMANN, B. E. & MCKINLEY, P. K. (2010). Resource abundance promotes the evolution of public goods cooperation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Conrad *et al.*(2010)Conrad, Roos & Kapfhammer] CONRAD, A. P., ROOS, R. S. & KAPFHAMMER, G. M. (2010). Empirically studying the role of selection operators during search-based test suite prioritization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Cook & Tauritz(2010)] COOK, J. E. & TAURITZ, D. R. (2010). An exploration into dynamic population sizing. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Crofford *et al.*(2010)Crofford, Eskridge & Hougen] CROFFORD, J., ESKRIDGE, B. E. & HOUGEN, D. F. (2010). Applying the triple parameter hypothesis to maintenance scheduling. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Curran *et al.*(2010)Curran, Freuder & Jansen] CURRAN, D., FREUDER, E. & JANSEN, T. (2010). Incremental evolution of local search heuristics. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [de A. Araújo *et al.*(2010)de A. Araújo, de Oliveira & Soares] DE A. ARAÚJO, R., DE OLIVEIRA, A. L. & SOARES, S. C. (2010). A covariance matrix adaptation based evolutionary methodology for phase adjustment in financial time series forecasting. In: *GECCO '10: Proceedings of the 12th*

- annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [de Mattos Neto *et al.*(2010)de Mattos Neto, Lima Junior & Ferreira] DE MATTOS NETO, P. S., LIMA JUNIOR, A. R. & FERREIRA, T. A. (2010). Time series forecasting using a perturbative intelligent system. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [de Mendonca Neta *et al.*(2010)de Mendonca Neta, Araujo, Guimaraes & Mesquita] DE MENDONCA NETA, B. M., ARAUJO, G. H. D., GUIMARAES, F. G. & MESQUITA, R. C. (2010). A hybrid genetic algorithm for automatic graph drawing based on the topology-shape-metric approach. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [De Prisco *et al.*(2010)De Prisco, Zaccagnino & Zaccagnino] DE PRISCO, R., ZACCAGNINO, G. & ZACCAGNINO, R. (2010). Evobasscomposer: a multi-objective genetic algorithm for 4-voice compositions. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Deb & Padhye(2010)] DEB, K. & PADHYE, N. (2010). Development of efficient particle swarm optimizers by using concepts from evolutionary algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Di Carlo *et al.*(2010)Di Carlo, Sanchez, Scionti, Squillero, Tonda & Falasconi] DI CARLO, S., SANCHEZ, E., SCIONTI, A., SQUILLERO, G., TONDA, A. P. & FALASCONI, M. (2010). Towards drift correction in chemical sensors using an evolutionary strategy. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Doerr & Johannsen(2010)] DOERR, B. & JOHANNSEN, D. (2010). Edge-based representation beats vertex-based representation in shortest path problems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Doğan *et al.*(2010)Doğan, Erdal & Saka] DOĞAN, E., ERDAL, F. & SAKA, M. P. (2010). Optimum design of grillage systems under code provisions using particle swarm optimization. In:

- GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Downey *et al.*(2010)Downey, Zhang & Browne] DOWNEY, C., ZHANG, M. & BROWNE, W. N. (2010). New crossover operators in linear genetic programming for multiclass object classification. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Downing(2010)] DOWNING, K. L. (2010). The baldwin effect in developing neural networks. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Ducatelle *et al.*(2010)Ducatelle, Di Caro & Gambardella] DUCATELLE, F., DI CARO, G. A. & GAMBARDELLA, L. M. (2010). Cooperative self-organization in a heterogeneous swarm robotic system. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Dumitrescu *et al.*(2010)Dumitrescu, Lung, Nagy, Zaharie & Bartha] DUMITRESCU, D., LUNG, R. I., NAGY, R., ZAHARIE, D. & BARTHA, A. (2010). Exploring evolutionary detected fuzzy equilibria: a link between normative theory and real life. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Esparcia-Alcazár *et al.*(2010)Esparcia-Alcazár, Martínez-García, Mora, Merelo & García-Sánchez] ESPARCIA-ALCAZÁR, A. I., MARTÍNEZ-GARCÍA, A., MORA, A. M., MERELO, J. J. & GARCÍA-SÁNCHEZ, P. (2010). Genetic evolution of fuzzy finite state machines to control bots in a first-person shooter game. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Evins *et al.*(2010)Evins, Pointer & Vaidyanathan] EVINS, R., POINTER, P. & VAIDYANATHAN, R. (2010). Configuration of a genetic algorithm for multi-objective optimisation of solar gain to buildings. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Farinaccio *et al.*(2010)Farinaccio, Vanneschi, Giacobini, Mauri & Provero] FARINACCIO, A., VANNESCHI, L., GIACOBINI, M., MAURI, G. & PROVERO, P. (2010). On the use of genetic programming for the prediction of survival in cancer. In: *GECCO '10: Proceedings of*



- the 12th annual conference on Genetic and evolutionary computation (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Fast *et al.*(2010)Fast, Le Gouse, Forrest & Weimer] FAST, E., LE GOUSE, C., FORREST, S. & WEIMER, W. (2010). Designing better fitness functions for automated program repair. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Fernando(2010)] FERNANDO, C. (2010). Neuronal replicators solve the stability-plasticity dilemma. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Folino & Pizzuti(2010)] FOLINO, F. & PIZZUTI, C. (2010). Multiobjective evolutionary community detection for dynamic networks. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Foster & Somayaji(2010)] FOSTER, B. & SOMAYAJI, A. (2010). Object-level recombination of commodity applications. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Franco *et al.*(2010)Franco, Krasnogor & Bacardit] FRANCO, M. A., KRASNOGOR, N. & BACARDIT, J. (2010). Speeding up the evaluation of evolutionary learning systems using gpgpus. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Gajda & Sekanina(2010)] GAJDA, Z. & SEKANINA, L. (2010). When does cartesian genetic programming minimize the phenotype size implicitly? In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Galan & Mengshoel(2010)] GALAN, S. F. & MENGSHOEL, O. J. (2010). Generalized crowding for genetic algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

- [Galván-López *et al.*(2010)Galván-López, McDermott, O'Neill & Brabazon] GALVÁN-LÓPEZ, E., MCDERMOTT, J., O'NEILL, M. & BRABAZON, A. (2010). Towards an understanding of locality in genetic programming. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [García-Martínez *et al.*(2010)García-Martínez, Lima, Twycross, Krasnogor & Lozano] GARCÍA-MARTÍNEZ, C., LIMA, C., TWYXCROSS, J., KRASNOGOR, N. & LOZANO, M. (2010). P system model optimisation by means of evolutionary based search algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Garrett *et al.*(2010)Garrett, Chen & Smith] GARRETT, A., CHEN, Z. & SMITH, D. E. (2010). Constructing numerically stable real number codes using evolutionary computation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Glasmachers *et al.*(2010)Glasmachers, Schaul, Yi, Wierstra & Schmidhuber] GLASMACHERS, T., SCHAUL, T., YI, S., WIERSTRA, D. & SCHMIDHUBER, J. (2010). Exponential natural evolution strategies. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Goldsby *et al.*(2010)Goldsby, Knoester & Ofria] GOLDSBY, H. J., KNOESTER, D. B. & OFRIA, C. (2010). Evolution of division of labor in genetically homogenous groups. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Gong *et al.*(2010)Gong, Álvaro Fialho & Cai] GONG, W., ÁLVARO FIALHO & CAI, Z. (2010). Adaptive strategy selection in differential evolution. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Gonzales *et al.*(2010)Gonzales, Mabu, Taboada, Hirasawa & Shimada] GONZALES, E., MABU, S., TABOADA, K., HIRASAWA, K. & SHIMADA, K. (2010). Pruning association rules using statistics and genetic relation algorithm. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

- [Hall *et al.*(2010)Hall, McMinn & Walkinshaw] HALL, M., MCMINN, P. & WALKINSHAW, N. (2010). Superstate identification for state machines using search-based clustering. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Harding *et al.*(2010)Harding, Miller & Banzhaf] HARDING, S., MILLER, J. F. & BANZHAF, W. (2010). Self modifying cartesian genetic programming: finding algorithms that calculate pi and e to arbitrary precision. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Hauschild & Pelikan(2010)] HAUSCHILD, M. W. & PELIKAN, M. (2010). Network crossover performance on nk landscapes and deceptive problems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Herrera-Ortiz *et al.*(2010)Herrera-Ortiz, Oliver-Morales & Rodríguez-Vázquez] HERRERA-ORTIZ, J. A., OLIVER-MORALES, C. & RODRÍGUEZ-VÁZQUEZ, K. (2010). Amount and type of information: a ga-hardness taxonomy. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Hildebrandt *et al.*(2010)Hildebrandt, Heger & Scholz-Reiter] HILDEBRANDT, T., HEGER, J. & SCHOLZ-REITER, B. (2010). Towards improved dispatching rules for complex shop floor scenarios: a genetic programming approach. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Hiller & Lipson(2010)] HILLER, J. D. & LIPSON, H. (2010). Morphological evolution of freeform robots. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Holzinger *et al.*(2010)Holzinger, Buchanan, Dudek, Torstenson, Turner & Ritchie] HOLZINGER, E. R., BUCHANAN, C. C., DUDEK, S. M., TORSTENSON, E. C., TURNER, S. D. & RITCHIE, M. D. (2010). Initialization parameter sweep in athena: optimizing neural networks for detecting gene-gene interactions in the presence of small main effects. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

- [Horoba & Sudholt(2010)] HOROBA, C. & SUDHOLT, D. (2010). Ant colony optimization for stochastic shortest path problems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [hui Zhong & Zhang(2010)] HUI ZHONG, J. & ZHANG, J. (2010). A robust estimation of distribution algorithm for power electronic circuits design. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Hutzschenreuter et al.(2010)] HUTZSCHENREUTER, A. K., BOSMAN, P. A. & LA POUTRÉ, H. (2010). Enhanced hospital resource management using anticipatory policies in online dynamic multi-objective optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [II & Tumer(2010)] II, J. F. S. & TUMER, K. (2010). Robust neuro-control for a micro quadrotor. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Inden et al.(2010)] INDEN, B., JIN, Y., HASCHKE, R. & RITTER, H. (2010). Neatfields: evolution of neural fields. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Iordache(2010)] IORDACHE, S. (2010). Consultant-guided search: a new metaheuristic for combinatorial optimization problems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Ishibuchi et al.(2010)] ISHIBUCHI, H., SAKANE, Y., TSUKAMOTO, N. & NOJIMA, Y. (2010). Simultaneous use of different scalarizing functions in moea/d. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Jansen & Zarges(2010)] JANSEN, T. & ZARGES, C. (2010). Aging beyond restarts. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE,

- J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Jaros & Dvorak(2010)] JAROS, J. & DVORAK, V. (2010). Evolutionary-based conflict-free scheduling of collective communications on spidergon nocs. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Jensen & Cheng(2010)] JENSEN, A. C. & CHENG, B. H. (2010). On the use of genetic programming for automated refactoring and the introduction of design patterns. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Jiang & Chen(2010)] JIANG, H. & CHEN, Y. (2010). An efficient algorithm for generalized minimum spanning tree problem. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [jie Yu & Zhang(2010)] JIE YU, W. & ZHANG, J. (2010). Pheromone-distribution-based adaptive ant colony system. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Johannsen *et al.*(2010)Johannsen, Kurur & Lengler] JOHANNSEN, D., KURUR, P. P. & LENGLER, J. (2010). Can quantum search accelerate evolutionary algorithms? In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Johansson *et al.*(2010)Johansson, König & Niklasson] JOHANSSON, U., KÖNIG, R. & NIKLASSON, L. (2010). Genetic rule extraction optimizing brier score. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Kamath *et al.*(2010)Kamath, De Jong & Shehu] KAMATH, U., DE JONG, K. A. & SHEHU, A. (2010). Selecting predictive features for recognition of hypersensitive sites of regulatory genomic sequences with an evolutionary algorithm. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M.,

- SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Kim *et al.*(2010)Kim, McKay & Moon] KIM, K., MCKAY, R. B. & MOON, B.-R. (2010). Multiobjective evolutionary algorithms for dynamic social network clustering. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Kimbrough *et al.*(2010)Kimbrough, Kuo & Lau] KIMBROUGH, S. O., KUO, A. & LAU, H. C. (2010). Effective heuristic methods for finding non-optimal solutions of interest in constrained optimization models. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Knoester *et al.*(2010)Knoester, Goldsby & McKinley] KNOESTER, D. B., GOLDSBY, H. J. & MCKINLEY, P. K. (2010). Neuroevolution of mobile ad hoc networks. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Knudson & Tumer(2010)] KNUDSON, M. & TUMER, K. (2010). Coevolution of heterogeneous multi-robot teams. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Koos *et al.*(2010)Koos, Mouret & Doncieux] KOOS, S., MOURET, J.-B. & DONCIEUX, S. (2010). Crossing the reality gap in evolutionary robotics by promoting transferable controllers. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Kötzing *et al.*(2010)Kötzing, Lehre, Neumann & Oliveto] KÖTZING, T., LEHRE, P. K., NEUMANN, F. & OLIVETO, P. S. (2010). Ant colony optimization and the minimum cut problem. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Koutnik *et al.*(2010)Koutnik, Gomez & Schmidhuber] KOUTNIK, J., GOMEZ, F. & SCHMIDHUBER, J. (2010). Evolving neural networks in compressed weight space. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

- [Kramer & Danielsiek(2010)] KRAMER, O. & DANIELSIEK, H. (2010). Dbscan-based multi-objective niching to approximate equivalent pareto-subsets. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Kremmel et al.(2010)Kremmel, Kubalik & Biffl] KREMMEL, T., KUBALIK, J. & BIFFL, S. (2010). Multiobjective evolutionary algorithm for software project portfolio optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Kubalik et al.(2010)Kubalik, Buryan & Wagner] KUBALIK, J., BURYAN, P. & WAGNER, L. (2010). Solving the dna fragment assembly problem efficiently using iterative optimization with evolved hypermutations. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Kureichik et al.(2010)Kureichik, Lebedev & Lebedev] KUREICHIK, V. M., LEBEDEV, B. K. & LEBEDEV, O. B. (2010). Hybrid evolutionary algorithm of planning vlsi. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lässig & Sudholt(2010)] LÄSSIG, J. & SUDHOLT, D. (2010). The benefit of migration in parallel evolutionary algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lee & Moon(2010)] LEE, S.-K. & MOON, B.-R. (2010). A new modular genetic programming for finding attractive technical patterns in stock markets. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lehman & Stanley(2010)] LEHMAN, J. & STANLEY, K. O. (2010). Revising the evolutionary computation abstraction: minimal criteria novelty search. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lehre & Witt(2010)] LEHRE, P. K. & WITT, C. (2010). Black-box search by unbiased variation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*

- (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lemmens & Tuyls(2010)] LEMMENS, N. & TUYLS, K. (2010). Stigmergic landmark routing: a routing algorithm for wireless mobile ad-hoc networks. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Leung & Zhang(2010)] LEUNG, K. M. & ZHANG, X. (2010). Discrete versus continuous parametrization of bank credit rating systems optimization using differential evolution. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Li et al.(2010)Li, Zheng, Shen, Li & Yuan] LI, M., ZHENG, J., SHEN, R., LI, K. & YUAN, Q. (2010). A grid-based fitness strategy for evolutionary many-objective optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lichodziejewski & Heywood(2010)] LICHODZIJEWSKI, P. & HEYWOOD, M. I. (2010). Symbiosis, complexification and simplicity under gp. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lien et al.(2010)Lien, Yu & You] LIEN, T.-C., YU, T.-L. & YOU, Y.-S. (2010). Co-evolution of cooperative strategies under egoism. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lin et al.(2010)Lin, min Hu & Zhang] LIN, Y., MIN HU, X. & ZHANG, J. (2010). An ant-colony-system-based activity scheduling method for the lifetime maximization of heterogeneous wireless sensor networks. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Liśkiewicz & Textor(2010)] LIŚKIEWICZ, M. & TEXTOR, J. (2010). Negative selection algorithms without generating detectors. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K.,



- THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Liu *et al.*(2010)Liu, Zhang, Jiao, Liu & Ma] LIU, R., ZHANG, W., JIAO, L., LIU, F. & MA, J. (2010). A sphere-dominance based preference immune-inspired algorithm for dynamic multi-objective optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lo *et al.*(2010)Lo, Chan, Lee & Leung] LO, L.-Y., CHAN, T.-M., LEE, K.-H. & LEUNG, K.-S. (2010). Challenges rising from learning motif evaluation functions using genetic programming. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lochtefeld & Ciarallo(2010)] LOCHTEFELD, D. F. & CIARALLO, F. W. (2010). Deterministic helper-objective sequences applied to job-shop scheduling. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lode *et al.*(2010)Lode, Richter & Schmeck] LODE, C., RICHTER, U. & SCHMECK, H. (2010). Adaption of xcs to multi-learner predator/prey scenarios. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [López-Camacho *et al.*(2010)López-Camacho, Terashima-Marín, Ross & Valenzuela-Rendón] LÓPEZ-CAMACHO, E., TERASHIMA-MARÍN, H., ROSS, P. & VALENZUELA-RENDÓN, M. (2010). Problem-state representations in a hyper-heuristic approach for the 2d irregular bpp. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Lopez-Ibanez & Stuetzle(2010)] LOPEZ-IBANEZ, M. & STUETZLE, T. (2010). The impact of design choices of multiobjective antcolony optimization algorithms on performance: an experimental study on the biobjective tsp. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Loshchilov *et al.*(2010)Loshchilov, Schoenauer & Sebag] LOSHCHILOV, I., SCHOENAUER, M. & SEBAG, M. (2010). A mono surrogate for multiobjective optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N.,

- MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Luong *et al.*(2010)Luong, Nguyen & Ahn] LUONG, H. N., NGUYEN, H. T. & AHN, C. W. (2010). Entropy-based substructural local search for the bayesian optimization algorithm. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Luque & Alba(2010)] LUQUE, G. & ALBA, E. (2010). Selection pressure and takeover time of distributed evolutionary algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Ma & Simon(2010)] MA, H. & SIMON, D. (2010). Biogeography-based optimization with blended migration for constrained optimization problems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Macià *et al.*(2010)Macià, Orriols-Puig & Bernadó-Mansilla] MACIÀ, N., ORRIOLS-PUIG, A. & BERNADÓ-MANSILLA, E. (2010). In search of targeted-complexity problems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Manning(2010)] MANNING, E. P. (2010). Coevolution in a large search space using resource-limited nash memory. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Manzoni *et al.*(2010)Manzoni, Vanneschi & Mauri] MANZONI, L., VANNESCHI, L. & MAURI, G. (2010). Definition of a crossover based distance for genetic algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Martí *et al.*(2010)Martí, García, Berlanga & Molina] MARTÍ, L., GARCÍA, J., BERLANGA, A. & MOLINA, J. M. (2010). Moving away from error-based learning in multi-objective estimation of distribution algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

- [Mayfield & Penstein-Rosé(2010)] MAYFIELD, E. & PENSTEIN-ROSÉ, C. (2010). Using feature construction to avoid large feature spaces in text classification. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [McMullin & Soule(2010)] McMULLIN, M. & SOULE, T. (2010). Constant versus variable arity operators in genetic programming. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Meekhof & Soule(2010)] MEEKHOF, T. & SOULE, T. (2010). Noise pressure: systematic overestimation of population fitness in genetic algorithms with noisy fitness functions. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Meiguins *et al.*(2010)Meiguins, Freitas, Lima, Junior & Meiguins] MEIGUINS, A. S., FREITAS, A. A., LIMA, R. C., JUNIOR, S. F. & MEIGUINS, B. S. (2010). An estimation of distribution algorithm for the automatic generation of clustering algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Melkozerov & Beyer(2010)] MELKOZEROV, A. & BEYER, H.-G. (2010). On the analysis of self-adaptive evolution strategies on elliptic model: first results. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Merelo *et al.*(2010)Merelo, Mora & Runarsson] MERELO, J. J., MORA, A. M. & RUNARSSON, T. P. (2010). Beating exhaustive search at its own game: revisiting evolutionary mastermind. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Mohammed *et al.*(2010)Mohammed, Zhang & Browne] MOHEMMED, A. W., ZHANG, M. & BROWNE, W. N. (2010). Particle swarm optimisation for outlier detection. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Momm & Easson(2010)] MOMM, H. G. & EASSON, G. (2010). Population restarting: a study case of feature extraction from remotely sensed imagery using textural information. In: *GECCO '10:*

- Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Montero *et al.*(2010)Montero, Riff & Neveu] MONTERO, E., RIFF, M.-C. & NEVEU, B. (2010). An evaluation of off-line calibration techniques for evolutionary algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Moriguchi & Honiden(2010)] MORIGUCHI, H. & HONIDEN, S. (2010). Sustaining behavioral diversity in neat. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Mosnier *et al.*(2010)Mosnier, Gillot, Ducloux & Ichchou] MOSNIER, D., GILLOT, F., DUCLOUX, A. & ICHCHOU, M. (2010). Integrated pre-design step methodology based on multi-objective evolutionary optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Mouret *et al.*(2010)Mouret, Doncieux & Girard] MOURET, J.-B., DONCIEUX, S. & GIRARD, B. (2010). Importing the computational neuroscience toolbox into neuro-evolution-application to basal ganglia. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Myburgh & Deb(2010)] MYBURGH, C. & DEB, K. (2010). Evolutionary algorithms in large-scale open pit mine scheduling. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Nadi *et al.*(2010)Nadi, Khader & Al-Betar] NADI, F., KHADER, A. T. & AL-BETAR, M. A. (2010). Adaptive genetic algorithm using harmony search. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Neumann *et al.*(2010)Neumann, Sudholt & Witt] NEUMANN, F., SUDHOLT, D. & WITT, C. (2010). A few ants are enough: Aco with iteration-best update. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J.,

- COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Nguyen *et al.*(2010)Nguyen, Luong & Ahn] NGUYEN, H. T., LUONG, H. N. & AHN, C. W. (2010). Entropy measurement-based estimation model for bayesian optimization algorithm. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Nikanjam *et al.*(2010)Nikanjam, Sharifi, Helmi & Rahmani] NIKANJAM, A., SHARIFI, H., HELMI, B. H. & RAHMANI, A. (2010). A new dsm clustering algorithm for linkage groups identification. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Orriols-Puig *et al.*(2010)Orriols-Puig, Llorà & Goldberg] ORRIOLS-PUIG, A., LLORÀ, X. & GOLDBERG, D. E. (2010). How xcs deals with rarities in domains with continuous attributes. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Ortegon-Cano *et al.*(2010)Ortegon-Cano, Hartasanchez & Stephens] ORTEGON-CANO, P., HARTASANCHEZ, D. A. & STEPHENS, C. R. (2010). Why recombination should be adaptive. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Ovreiú & Simon(2010)] OVREIU, M. & SIMON, D. (2010). Biogeography-based optimization of neuro-fuzzy system parameters for diagnosis of cardiac disease. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Padhye & Deb(2010)] PADHYE, N. & DEB, K. (2010). Evolutionary multi-objective optimization and decision making for selective laser sintering. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Pedersen & Butz(2010)] PEDERSEN, G. K. & BUTZ, M. V. (2010). Evolving robust controller parameters using covariance matrix adaptation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

- [Pelikan(2010)] PELIKAN, M. (2010). Nk landscapes, problem difficulty, and hybrid evolutionary algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Pennachin *et al.*(2010)Pennachin, Looks & de Vasconcelos] PENNACHIN, C. L., LOOKS, M. & DE VASCONCELOS, J. A. (2010). Robust symbolic regression with affine arithmetic. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Pilat & Jacob(2010)] PILAT, M. L. & JACOB, C. (2010). Evolution of vision capabilities in embodied virtual creatures. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Preuss *et al.*(2010)Preuss, Rudolph & Wessing] PREUSS, M., RUDOLPH, G. & WESSING, S. (2010). Tuning optimization algorithms for real-world problems by means of surrogate modeling. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Radetic & Pelikan(2010)] RADETIC, E. & PELIKAN, M. (2010). Spurious dependencies and eda scalability. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Rajagopalan *et al.*(2010)Rajagopalan, Rawal & Miikkulainen] RAJAGOPALAN, P., RAWAL, A. & MIIKKULAINEN, R. (2010). Emergence of competitive and cooperative behavior using coevolution. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Reehuis & Bäck(2010)] REEHUIS, E. & BÄCK, T. (2010). Mixed-integer evolution strategy using multiobjective selection applied to warehouse design optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Ren & Feng(2010)] REN, Z. & FENG, Z. (2010). An ant colony optimization approach to the multiple-choice multidimensional knapsack problem. In: *GECCO '10: Proceedings of the 12th annual*

- conference on Genetic and evolutionary computation (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Risi *et al.*(2010)Risi, Lehman & Stanley] RISI, S., LEHMAN, J. & STANLEY, K. O. (2010). Evolving the placement and density of neurons in the hyperneat substrate. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Roychoudhury *et al.*(2010)Roychoudhury, Das, Scoglio, Das, Panigrahi & Pattnaik] ROYCHOUDHURY, S., DAS, S., SCOGGIO, C., DAS, S., PANIGRAHI, B. K. & PATTNAIK, S. S. (2010). Mitigation strategies in epidemics: evolutionary optimization using a hierarchy of objective functions. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Salichon & Tumer(2010)] SALICHON, M. & TUMER, K. (2010). A neuro-evolutionary approach to micro aerial vehicle control. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Salim *et al.*(2010)Salim, Javed & Akbar] SALIM, S., JAVED, M. & AKBAR, A. H. (2010). Honey-bee dancing-inspired architecture for fault tolerance in wireless sensor networks. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Salinas-Gutiérrez *et al.*(2010)Salinas-Gutiérrez, Hernández-Aguirre & Villa-Diharce] SALINAS-GUTIÉRREZ, R., HERNÁNDEZ-AGUIRRE, A. & VILLA-DIHARCE, E. R. (2010). D-vine eda: a new estimation of distribution algorithm based on regular vines. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Sanyal *et al.*(2010)Sanyal, S & Biswas] SANYAL, S., S, R. & BISWAS, S. (2010). Necessary and sufficient conditions for success of the metropolis algorithm for optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Sato *et al.*(2010)Sato, Sato & Namiki] SATO, M., SATO, Y. & NAMIKI, M. (2010). Proposal of a multi-core processor architecture for effective evolutionary computation. In: *GECCO '10:*

- Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Schmidt & Lipson(2010)] SCHMIDT, M. D. & LIPSON, H. (2010). Age-fitness pareto optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Schrum & Miiikkulainen(2010)] SCHRUM, J. & MIIKKULAINEN, R. (2010). Evolving agent behavior in multiobjective domains using fitness-based shaping. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Sharma & Collet(2010)] SHARMA, D. & COLLET, P. (2010). An archived-based stochastic ranking evolutionary algorithm (asrea) for multi-objective optimization. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Shimada & Hirasawa(2010)] SHIMADA, K. & HIRASAWA, K. (2010). A method of association rule analysis for incomplete database using genetic network programming. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Shir *et al.*(2010)Shir, Roslund & Rabitz] SHIR, O. M., ROSLUND, J. & RABITZ, H. (2010). Forced optimal covariance adaptive learning: modified cma-es for efficient hessian determination. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Sierra & Ponsoda(2010)] SIERRA, A. & PONSODA, V. (2010). Shorter, more reliable and valid tests by means of a genetic algorithm. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Sinnott-Armstrong *et al.*(2010)Sinnott-Armstrong, Greene & Moore] SINNOTT-ARMSTRONG, N. A., GREENE, C. S. & MOORE, J. H. (2010). Fast genome-wide epistasis analysis using ant colony optimization for multifactor dimensionality reduction analysis on graphics processing units. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P.,



- KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Snel & Whiteson(2010)] Snel, M. & Whiteson, S. (2010). Multi-task evolutionary shaping without pre-specified representations. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Soule & Heckendorn(2010)] Soule, T. & Heckendorn, R. B. (2010). A developmental algorithm for multi-agent swarms with scalable hierarchies. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Steiner et al.(2010)Steiner, Jin & Sendhoff] Steiner, T., Jin, Y. & Sendhoff, B. (2010). Evolving heterochrony for cellular differentiation using vector field embryogeny. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Steitz & Rothlauf(2010)] Steitz, W. & Rothlauf, F. (2010). Solving oest problems with problem-specific guided local search. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Stonedahl & Stonedahl(2010)] Stonedahl, F. & Stonedahl, S. H. (2010). Heuristics for sampling repetitions in noisy landscapes with fitness caching. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Stracquadanio et al.(2010)Stracquadanio, Drago, Romano & Nicosia] Stracquadanio, G., Drago, C., Romano, V. & Nicosia, G. (2010). Multi-objective optimization of doping profile in semiconductor design. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Su et al.(2010)Su, Gao & Cao] Su, C., Gao, Y. & Cao, C. (2010). Learning classifier system using both labeled and unlabeled data. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

- [Sugawara *et al.*(2010)] Sugawara, Fukuda, Hirotsu & Kurihara] SUGAWARA, T., FUKUDA, K., HIROTSU, T. & KURIHARA, S. (2010). Adaptive probabilistic task allocation in large-scale multi-agent systems and its evaluation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Tanji & Iba(2010)] TANJI, M. & IBA, H. (2010). Conbreo: a music performance rendering system using hybrid approach of iec and automated evolution. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Ter-Sarkisov *et al.*(2010)] Ter-Sarkisov, Marsland & Holland] TER-SARKISOV, A., MARSLAND, S. R. & HOLLAND, B. R. (2010). The k-bit-swap: a new genetic algorithm operator. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Toledo-Suárez(2010)] TOLEDO-SUÁREZ, C. D. (2010). A first assessment of the use of extended relational alphabets in accuracy classifier systems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Trefzer *et al.*(2010)] Trefzer, Kuyucu, Miller & Tyrrell] TREFZER, M. A., KUYUCU, T., MILLER, J. F. & TYRRELL, A. M. (2010). Image compression of natural images using artificial gene regulatory networks. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Trujillo *et al.*(2010)] Trujillo, Legrand & Lévy-Véhel] TRUJILLO, L., LEGRAND, P. & LÉVY-VÉHEL, J. (2010). The estimation of hölderian regularity using genetic programming. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Tsai *et al.*(2010)] Tsai, Tseng, Chiang & Yang] TSAI, C.-W., TSENG, S.-P., CHIANG, M.-C. & YANG, C.-S. (2010). A framework for accelerating metaheuristics via pattern reduction. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Tulshyan *et al.*(2010)] Tulshyan, Arora, Deb & Dutta] TULSHYAN, R., ARORA, R., DEB, K. & DUTTA, J. (2010). Investigating ea solutions for approximate kkt conditions in smooth

- problems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Tutum & Hattel(2010)] TUTUM, C. C. & HATTEL, J. H. (2010). Multi-objective optimization of process parameters in friction stir welding. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Ulrich *et al.*(2010)Ulrich, Bader & Zitzler] ULRICH, T., BADER, J. & ZITZLER, E. (2010). Integrating decision space diversity into hypervolume-based multiobjective search. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Unachak & Goodman(2010)] UNACHAK, P. & GOODMAN, E. (2010). Solving multiobjective flexible job-shop scheduling using an adaptive representation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Urbanowicz & Moore(2010)] URBANOWICZ, R. J. & MOORE, J. H. (2010). The application of michigan-style learning classifiersystems to address genetic heterogeneity and epistasis in association studies. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Uy *et al.*(2010)Uy, Hoai, O'Neill & McKay] UY, N. Q., HOAI, N. X., O'NEILL, M. & MCKAY, B. (2010). Semantics based crossover for boolean problems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Vafaei *et al.*(2010)Vafaei, Turán & Nelson] VAFAEI, F., TURÁN, G. & NELSON, P. C. (2010). Optimizing genetic operator rates using a markov chain model of genetic algorithms. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Valsecchi *et al.*(2010)Valsecchi, Vanneschi & Mauri] VALSECCHI, A., VANNESCHI, L. & MAURI, G. (2010). Optimization speed and fair sets of functions. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J.,

- COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Vanneschi *et al.*(2010)Vanneschi, Codecasa & Mauri] VANNESCHI, L., CODECASA, D. & MAURI, G. (2010). An empirical comparison of parallel and distributed particle swarm optimization methods. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Veeramachaneni *et al.*(2010)Veeramachaneni, Vladislavleva, Burland, Parcon & O'Reilly] VEERAMACHANENI, K., VLADISLAVLEVA, K., BURLAND, M., PARCON, J. & O'REILLY, U.-M. (2010). Evolutionary optimization of flavors. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Verbancsics & Stanley(2010)] VERBANCSICS, P. & STANLEY, K. O. (2010). Transfer learning through indirect encoding. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Vladislavleva *et al.*(2010)Vladislavleva, Veeramachaneni, Burland, Parcon & O'Reilly] VLADISLAVLEVA, K., VEERAMACHANENI, K., BURLAND, M., PARCON, J. & O'REILLY, U.-M. (2010). Knowledge mining with genetic programming methods for variable selection in flavor design. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Voß *et al.*(2010)Voß, Hansen & Igel] VOSS, T., HANSEN, N. & IGEL, C. (2010). Improved step size adaptation for the mo-cma-es. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Vrajitoru(2010)] VRAJITORU, D. (2010). Shared memory genetic algorithms in a multi-agent context. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Walton *et al.*(2010)Walton, Grewal & Darlington] WALTON, M., GREWAL, G. & DARLINGTON, G. (2010). Parallel fpga-based implementation of scatter search. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F.,

- O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Wang & Tan(2010)] WANG, J. & TAN, Y. (2010). A novel genetic programming based morphological image analysis algorithm. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Wen *et al.*(2010)Wen, Xu & Yang] WEN, Y., XU, H. & YANG, J. (2010). A heuristic-based hybrid genetic algorithm for heterogeneous multiprocessor scheduling. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Whitley *et al.*(2010)Whitley, Chicano, Alba & Luna] WHITLEY, L. D., CHICANO, F., ALBA, E. & LUNA, F. (2010). Elementary landscapes of frequency assignment problems. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Wilkerson & Tauritz(2010)] WILKERSON, J. L. & TAURITZ, D. (2010). Coevolutionary automated software correction. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Wilson & Banzhaf(2010)] WILSON, G. & BANZHAF, W. (2010). Interday foreign exchange trading using linear genetic programming. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Windisch(2010)] WINDISCH, A. (2010). Search-based test data generation from stateflow statecharts. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Wong *et al.*(2010)Wong, Leung & Wong] WONG, K.-C., LEUNG, K.-S. & WONG, M.-H. (2010). Protein structure prediction on a lattice model via multimodal optimization techniques. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Wu & Banzhaf(2010)] WU, S. X. & BANZHAF, W. (2010). A hierarchical cooperative evolutionary algorithm. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and*

- evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Xu *et al.*(2010)Xu, Cohen & Rothermel] XU, Z., COHEN, M. B. & ROTHERMEL, G. (2010). Factors affecting the use of genetic algorithms in test suite augmentation. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Yang *et al.*(2010)Yang, Xu, Cai & Jia] YANG, J., XU, H., CAI, Y. & JIA, P. (2010). Effective structure learning for eda via l1-regularizedbayesian networks. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Yehoshua *et al.*(2010)Yehoshua, Avigal & Unger] YEHOSHUA, R., AVIGAL, M. & UNGER, R. (2010). Analysis of the effects of lifetime learning on population fitness using vose model. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [You *et al.*(2010)You, Yu & Lien] YOU, Y.-S., YU, T.-L. & LIEN, T.-C. (2010). Psychological preference-based optimization framework on the nurse scheduling problem. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Zafra & Ventura(2010)] ZAFRA, A. & VENTURA, S. (2010). Grammar guided genetic programming for multiple instance learning: an experimental study. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Zapotecas Martínez & Coello Coello(2010)] ZAPOTECAS MARTÍNEZ, S. & COELLO COELLO, C. A. (2010). A multi-objective meta-model assisted memetic algorithm with non gradient-based local search. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.
- [Zhan & Zhang(2010)] ZHAN, Z.-H. & ZHANG, J. (2010). Self-adaptive differential evolution based on pso learning strategy. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K.,

THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

[Zhang *et al.*(2010)Zhang, Alba, Durillo, Eldh & Harman] ZHANG, Y., ALBA, E., DURILLO, J. J., ELDH, S. & HARMAN, M. (2010). Today/future importance analysis. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.

[Zhou & Tan(2010)] ZHOU, Y. & TAN, Y. (2010). Particle swarm optimization with triggered mutation and its implementation based on gpu. In: *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation* (BRANKE, J., PELIKAN, M., ALBA, E., ARNOLD, D. V., BONGARD, J., BRABAZON, A., BRANKE, J., BUTZ, M. V., CLUNE, J., COHEN, M., DEB, K., ENGELBRECHT, A. P., KRASNOGOR, N., MILLER, J. F., O'NEILL, M., SASTRY, K., THIERENS, D., VAN HEMERT, J., VANNESCHI, L. & WITT, C., eds.). Portland, Oregon, USA: ACM.