Список литературы

- [Abbas(2010)] H. M. Abbas, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 825–826.
- [Addicoat and Brain(2010)] M. A. Addicoat and Z. E. Brain, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 823–824.
- [Afridi et al.(2010)Afridi, Manzoor, Rasheed, Ahmed, and Faraz] M. J. Afridi, S. Manzoor, U. Rasheed, M. Ahmed, and K. Faraz, "Performance evaluation of evolutionary algorithms for road detection," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1331–1332.
- [Ahalpara(2010)] D. P. Ahalpara, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 977-978.
- [Akimoto et al.(2010)Akimoto, Nagata, Ono, and Kobayashi] Y. Akimoto, Y. Nagata, I. Ono, and S. Kobayashi, "Theoretical analysis of evolutionary computation on continuously differentiable functions," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1401–1408.
- [Al-Betar et al.(2010)Al-Betar, Khader, and Nadi] M. A. Al-Betar, A. T. Khader, and F. Nadi, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1203–1210.
- [Alonso et al.(2010) Alonso, Martínez, Santamaría, Pérez, and Valente] F. Alonso, L. Martínez, A. Santamaría, A. Pérez, and J. P. Valente, "Gggp-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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 989-990.
- [Álvaro Fialho et al.(2010)Álvaro Fialho, Schoenauer, and Sebag] Álvaro Fialho, M. Schoenauer, and M. Sebag, "Toward comparison-based adaptive operator selection," in *GECCO '10: Proceedings*

- of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 767–774.
- [Arnold and Hansen(2010)] D. V. Arnold and N. Hansen, "Active covariance matrix adaptation for the (1+1)-cma-es," in *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 385–392.
- [Atilgan and Hu(2010)] E. Atilgan and J. Hu, "Efficient protein-ligand docking using sustainable evolutionary algorithm," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 211–212.
- [Auerbach and Bongard(2010)] J. E. Auerbach and J. C. Bongard, "Evolving cppns to grow three-dimensional physical structures," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 627-634.
- [Augusto et al.(2010)Augusto, Barbosa, and Ebecken] D. A. Augusto, H. J. C. Barbosa, and N. F. F. Ebecken, "Coevolutionary multi-population genetic programming for data classification," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 933–940.
- [Avery and Louis(2010)] P. Avery and S. Louis, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 783-790.
- [Azad and Ryan(2010)] R. M. A. Azad and C. Ryan, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 893–900.
- [Barrero et al.(2010)Barrero, Camacho, and R-Moreno] D. F. Barrero, D. Camacho, and M. D. R-Moreno, "Confidence intervals of success rates in evolutionary computation," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 975–976.
- [Barreto et al.(2010)Barreto, Bernardino, and Barbosa] A. M. Barreto, H. S. Bernardino, and H. J. Barbosa, "Probabilistic performance profiles for the experimental evaluation of stochastic

- algorithms," in *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 751–758.
- [Behdad et al.(2010)Behdad, French, Barone, and Bennamoun] M. Behdad, T. French, L. Barone, and M. Bennamoun, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1067–1068.
- [Benjamin and Julstrom(2010)] J. Benjamin and B. A. Julstrom, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 657-664.
- [Berghammer et al.(2010)Berghammer, Friedrich, and Neumann] R. Berghammer, T. Friedrich, and F. Neumann, "Set-based multi-objective optimization, indicators, and deteriorative cycles," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 495–502.
- [Bhowan et al.(2010)Bhowan, Zhang, and Johnston] U. Bhowan, M. Zhang, and M. Johnston, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 845–852.
- [Bibai et al.(2010)Bibai, Saveant, Schoenauer, and Vidal] J. Bibai, P. Saveant, M. Schoenauer, and V. Vidal, "On the generality of parameter tuning in evolutionary planning," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 241–248.
- [Bongard and Hornby(2010)] J. C. Bongard and G. S. Hornby, "Guarding against premature convergence while accelerating evolutionary search," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 111-118.
- [Borges et al.(2010)Borges, Alonso, and Montana] C. E. Borges, C. L. Alonso, and J. L. Montana, "Model selection in genetic programming," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 985–986.

- [Bosman(2010)] P. A. Bosman, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 351–358.
- [Bringmann and Friedrich(2010)] K. Bringmann and T. Friedrich, "The maximum hypervolume set yields near-optimal approximation," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 511–518.
- [Brown and Huber(2010)] J. B. Brown and M. Huber, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 85–86.
- [Buryan and Kubalik(2010)] P. Buryan and J. Kubalik, "Context-sensitive refinements for stochasticoptimization algorithms in inductive logic programming," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1071–1072.
- [Carlson and Hougen(2010)] B. P. Carlson and D. F. Hougen, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 791–798.
- [Ceriani et al.(2010)Ceriani, Ferrandi, Lanzi, Sciuto, and Tumeo] M. Ceriani, F. Ferrandi, P. L. Lanzi, D. Sciuto, and A. Tumeo, "Multiprocessor systems-on-chip synthesis using multi-objective evolutionary computation," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1267-1274.
- [Chen et al.(2010)Chen, He, and Zhang] Z. Chen, Z. He, and C. Zhang, "Particle swarm optimizer with self-adjusting neighborhoods," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 9-14.
- [Chicano et al.(2010)Chicano, Luque, and Alba] F. Chicano, G. Luque, and E. Alba, "Elementary landscape decomposition of the quadratic assignment problem," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1425–1432.

- [Choi et al.(2010)Choi, Koo, and Moon] Y.-S. Choi, B.-K. Koo, and B.-R. Moon, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1309–1310.
- [Chuang and Hsu(2010)] C.-Y. Chuang and W.-L. Hsu, "Multivariate multi-model approach for globally multimodal problems," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 311–318.
- [Chwatal et al.(2010)Chwatal, Raidl, and Zöch] A. M. Chwatal, G. R. Raidl, and M. Zöch, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 377–384.
- [Clune et al.(2010) Clune, Beckmann, McKinley, and Ofria] J. Clune, B. E. Beckmann, P. K. McKinley, and C. Ofria, "Investigating whether hyperneat produces modular neural networks," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 635-642.
- [Collier and Wineberg(2010)] R. Collier and M. Wineberg, "Approaches to multidimensional scaling for adaptive landscape visualization," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 649–656.
- [Colmenar et al.(2010)Colmenar, Risco-Martín, Atienza, Garnica, Hidalgo, and Lanchares] J. M. Colmenar, J. L. Risco-Martín, D. Atienza, O. Garnica, J. I. Hidalgo, and J. Lanchares, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1227–1234.
- [Connelly et al.(2010)Connelly, Beckmann, and McKinley] B. D. Connelly, B. E. Beckmann, and P. K. McKinley, "Resource abundance promotes the evolution of public goods cooperation," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 143–150.
- [Conrad et al.(2010)Conrad, Roos, and Kapfhammer] A. P. Conrad, R. S. Roos, and G. M. Kapfhammer, "Empirically studying the role of selection operators duringsearch-based test suite prioritization," in *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard,

- A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1373–1380.
- [Cook and Tauritz(2010)] J. E. Cook and D. R. Tauritz, "An exploration into dynamic population sizing," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 807–814.
- [Crofford et al.(2010)Crofford, Eskridge, and Hougen] J. Crofford, B. E. Eskridge, and D. F. Hougen, "Applying the triple parameter hypothesis to maintenance scheduling," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 799–806.
- [Curran et al.(2010)Curran, Freuder, and Jansen] D. Curran, E. Freuder, and T. Jansen, "Incremental evolution of local search heuristics," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 981–982.
- [de A. Araújo et al.(2010)de A. Araújo, de Oliveira, and Soares] R. de A. Araújo, A. L. de Oliveira, and S. C. Soares, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1315–1316.
- [de Mattos Neto et al.(2010)de Mattos Neto, Lima Junior, and Ferreira] P. S. de Mattos Neto, A. R. Lima Junior, and T. A. Ferreira, "Time series forecasting using a perturbative intelligent system," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1477–1478.
- [de Mendonca Neta et al.(2010)de Mendonca Neta, Araujo, Guimaraes, and Mesquita] B. M. de Mendonca Neta, G. H. D. Araujo, F. G. Guimaraes, and R. C. Mesquita, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 743-750.
- [De Prisco et al.(2010)De Prisco, Zaccagnino, and Zaccagnino] R. De Prisco, G. Zaccagnino, and R. Zaccagnino, "Evobasscomposer: a multi-objective genetic algorithm for 4-voice compositions," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 817–818.

- [Deb and Padhye(2010)] K. Deb and N. Padhye, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 55-62.
- [Di Carlo et al.(2010)Di Carlo, Sanchez, Scionti, Squillero, Tonda, and Falasconi] S. Di Carlo, E. Sanchez, A. Scionti, G. Squillero, A. P. Tonda, and M. Falasconi, "Towards drift correction in chemical sensors using an evolutionary strategy," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1329–1330.
- [Doerr and Johannsen(2010)] B. Doerr and D. Johannsen, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 759-766.
- [Doğan et al.(2010)Doğan, Erdal, and Saka] E. Doğan, F. Erdal, and M. P. Saka, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 289–290.
- [Downey et al.(2010)Downey, Zhang, and Browne] C. Downey, M. Zhang, and W. N. Browne, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 885–892.
- [Downing(2010)] K. L. Downing, "The baldwin effect in developing neural networks," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 555–562.
- [Ducatelle et al.(2010)Ducatelle, Di Caro, and Gambardella] F. Ducatelle, G. A. Di Caro, and L. M. Gambardella, "Cooperative self-organization in a heterogeneous swarm robotic system," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 87–94.
- [Dumitrescu et al.(2010)Dumitrescu, Lung, Nagy, Zaharie, and Bartha] D. Dumitrescu, R. I. Lung, R. Nagy, D. Zaharie, and A. Bartha, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 539-540.

- [Esparcia-Alcazár et al.(2010)Esparcia-Alcazár, Martínez-García, Mora, Merelo, and García-Sánchez] A. I. Esparcia-Alcazár, A. Martínez-García, A. M. Mora, J. J. Merelo, and P. García-Sánchez, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 829–830.
- [Evins et al.(2010)Evins, Pointer, and Vaidyanathan] R. Evins, P. Pointer, and R. Vaidyanathan, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1327–1328.
- [Farinaccio et al.(2010)Farinaccio, Vanneschi, Giacobini, Mauri, and Provero] A. Farinaccio, L. Vanneschi, M. Giacobini, G. Mauri, and P. Provero, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 163–170.
- [Fast et al.(2010)Fast, Le Gouse, Forrest, and Weimer] E. Fast, C. Le Gouse, S. Forrest, and W. Weimer, "Designing better fitness functions for automated program repair," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 965–972.
- [Fernando(2010)] C. Fernando, "Neuronal replicators solve the stability-plasticity dilemma," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 153-154.
- [Folino and Pizzuti(2010)] F. Folino and C. Pizzuti, "Multiobjective evolutionary community detection for dynamic networks," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 535-536.
- [Foster and Somayaji(2010)] B. Foster and A. Somayaji, "Object-level recombination of commodity applications," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 957–964.
- [Franco et al.(2010)Franco, Krasnogor, and Bacardit] M. A. Franco, N. Krasnogor, and J. Bacardit, "Speeding up the evaluation of evolutionary learning systems using gpgpus," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry,

- D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1039–1046.
- [Gajda and Sekanina(2010)] Z. Gajda and L. Sekanina, "When does cartesian genetic programming minimize the phenotype size implicitly?" in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 983–984.
- [Galan and Mengshoel(2010)] S. F. Galan and O. J. Mengshoel, "Generalized crowding for genetic algorithms," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 775-782.
- [Galván-López et al.(2010)Galván-López, McDermott, O'Neill, and Brabazon] E. Galván-López, J. McDermott, M. O'Neill, and A. Brabazon, "Towards an understanding of locality in genetic programming," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 901–908.
- [García-Martínez et al.(2010)García-Martínez, Lima, Twycross, Krasnogor, and Lozano] C. García-Martínez, C. Lima, J. Twycross, N. Krasnogor, and M. Lozano, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 187–194.
- [Garrett et al.(2010)Garrett, Chen, and Smith] A. Garrett, Z. Chen, and D. E. Smith, "Constructing numerically stable real number codes using evolutionary computation," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1163–1170.
- [Glasmachers et al.(2010)Glasmachers, Schaul, Yi, Wierstra, and Schmidhuber] T. Glasmachers, T. Schaul, S. Yi, D. Wierstra, and J. Schmidhuber, "Exponential natural evolution strategies," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 393-400.
- [Goldsby et al.(2010)Goldsby, Knoester, and Ofria] H. J. Goldsby, D. B. Knoester, and C. Ofria, "Evolution of division of labor in genetically homogenous groups," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 135–142.
- [Gong et al.(2010)Gong, Álvaro Fialho, and Cai] W. Gong, Álvaro Fialho, and Z. Cai, "Adaptive strategy selection in differential evolution," in *GECCO '10: Proceedings of the 12th annual*

- conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 409–416.
- [Gonzales et al.(2010)Gonzales, Mabu, Taboada, Hirasawa, and Shimada] E. Gonzales, S. Mabu, K. Taboada, K. Hirasawa, and K. Shimada, "Pruning association rules using statistics and genetic relation algoritm," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 419–420.
- [Hall et al.(2010)Hall, McMinn, and Walkinshaw] M. Hall, P. McMinn, and N. Walkinshaw, "Superstate identification for state machines using search-based clustering," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1381–1388.
- [Harding et al.(2010)Harding, Miller, and Banzhaf] S. Harding, J. F. Miller, and W. Banzhaf, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 579–586.
- [Hauschild and Pelikan(2010)] M. W. Hauschild and M. Pelikan, "Network crossover performance on nk landscapes and deceptive problems," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 713-720.
- [Herrera-Ortiz et al.(2010)Herrera-Ortiz, Oliver-Morales, and Rodríguez-Vázquez] J. A. Herrera-Ortiz, C. Oliver-Morales, and K. Rodríguez-Vázquez, "Amount and type of information: a ga-hardness taxonomy," in *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 835–836.
- [Hildebrandt et al.(2010)Hildebrandt, Heger, and Scholz-Reiter] T. Hildebrandt, J. Heger, and B. Scholz-Reiter, "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*, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 257–264.
- [Hiller and Lipson(2010)] J. D. Hiller and H. Lipson, "Morphological evolution of freeform robots," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation,
 J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz,
 J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry,
 D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM,
 7-11 July 2010, pp. 151–152.

- [Holzinger et al.(2010)Holzinger, Buchanan, Dudek, Torstenson, Turner, and Ritchie] E. R. Holzinger, C. C. Buchanan, S. M. Dudek, E. C. Torstenson, S. D. Turner, and M. D. Ritchie, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 203–210.
- [Horoba and Sudholt(2010)] C. Horoba and D. Sudholt, "Ant colony optimization for stochastic shortest path problems," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1465-1472.
- [hui Zhong and Zhang(2010)] J. hui Zhong and J. Zhang, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 319–326.
- [Hutzschenreuter et al.(2010)Hutzschenreuter, Bosman, and La Poutré] A. K. Hutzschenreuter, P. A. Bosman, and H. La Poutré, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 541–542.
- [II and Tumer(2010)] J. F. S. II and K. Tumer, "Robust neuro-control for a micro quadrotor," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1131–1138.
- [Inden et al.(2010)Inden, Jin, Haschke, and Ritter] B. Inden, Y. Jin, R. Haschke, and H. Ritter, "Neatfields: evolution of neural fields," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 645-646.
- [Iordache(2010)] S. Iordache, "Consultant-guided search: a new metaheuristic for combinatorial optimization problems," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 225–232.
- [Ishibuchi et al.(2010)Ishibuchi, Sakane, Tsukamoto, and Nojima] H. Ishibuchi, Y. Sakane, N. Tsukamoto, and Y. Nojima, "Simultaneous use of different scalarizing functions in moea/d," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 519–526.

- [Jansen and Zarges(2010)] T. Jansen and C. Zarges, "Aging beyond restarts," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 705-712.
- [Jaros and Dvorak(2010)] J. Jaros and V. Dvorak, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1171-1178.
- [Jensen and Cheng(2010)] A. C. Jensen and B. H. Cheng, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1341–1348.
- [Jiang and Chen(2010)] H. Jiang and Y. Chen, "An efficient algorithm for generalized minimum spanning tree problem," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 217–224.
- [jie Yu and Zhang(2010)] W. jie Yu and J. Zhang, "Pheromone-distribution-based adaptive ant colony system," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 31–38.
- [Johannsen et al.(2010)Johannsen, Kurur, and Lengler] D. Johannsen, P. P. Kurur, and J. Lengler, "Can quantum search accelerate evolutionary algorithms?" in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1433–1440.
- [Johansson et al.(2010)Johansson, König, and Niklasson] U. Johansson, R. König, and L. Niklasson, "Genetic rule extraction optimizing brier score," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1007–1014.
- [Kamath et al.(2010)Kamath, De Jong, and Shehu] U. Kamath, K. A. De Jong, and A. Shehu, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 179–186.
- [Kim et al.(2010)Kim, McKay, and Moon] K. Kim, R. B. McKay, and B.-R. Moon, "Multiobjective evolutionary algorithms for dynamic social network clustering," in *GECCO '10: Proceedings of*

- the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1179–1186.
- [Kimbrough et al.(2010)Kimbrough, Kuo, and Lau] S. O. Kimbrough, A. Kuo, and H. C. Lau, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 295–296.
- [Knoester et al.(2010)Knoester, Goldsby, and McKinley] D. B. Knoester, H. J. Goldsby, and P. K. McKinley, "Neuroevolution of mobile ad hoc networks," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 603-610.
- [Knudson and Tumer(2010)] M. Knudson and K. Tumer, "Coevolution of heterogeneous multi-robot teams," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 127–134.
- [Koos et al.(2010)Koos, Mouret, and Doncieux] S. Koos, J.-B. Mouret, and S. Doncieux, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 119–126.
- [Kötzing et al.(2010)Kötzing, Lehre, Neumann, and Oliveto] T. Kötzing, P. K. Lehre, F. Neumann, and P. S. Oliveto, "Ant colony optimization and the minimum cut problem," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1393–1400.
- [Koutnik et al.(2010)Koutnik, Gomez, and Schmidhuber] J. Koutnik, F. Gomez, and J. Schmidhuber, "Evolving neural networks in compressed weight space," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 619–626.
- [Kramer and Danielsiek(2010)] O. Kramer and H. Danielsiek, "Dbscan-based multi-objective niching to approximate equivalent pareto-subsets," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 503-510.
- [Kremmel et al.(2010)Kremmel, Kubalik, and Biffl] T. Kremmel, J. Kubalik, and S. Biffl, "Multiobjective evolutionary algorithm for software project portfolio optimization," in *GECCO*

- '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1389–1390.
- [Kubalik et al.(2010)Kubalik, Buryan, and Wagner] J. Kubalik, P. Buryan, and L. Wagner, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 213-214.
- [Kureichik et al.(2010)Kureichik, Lebedev, and Lebedev] V. M. Kureichik, B. K. Lebedev, and O. B. Lebedev, "Hybrid evolutionary algorithm of planning vlsi," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 821–822.
- [Lässig and Sudholt(2010)] J. Lässig and D. Sudholt, "The benefit of migration in parallel evolutionary algorithms," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1105-1112.
- [Lee and Moon(2010)] S.-K. Lee and B.-R. Moon, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1219–1226.
- [Lehman and Stanley(2010)] J. Lehman and K. O. Stanley, "Revising the evolutionary computation abstraction: minimal criteria novelty search," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 103-110.
- [Lehre and Witt(2010)] P. K. Lehre and C. Witt, "Black-box search by unbiased variation," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1441–1448.
- [Lemmens and Tuyls(2010)] N. Lemmens and K. Tuyls, "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*, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 47–54.
- [Leung and Zhang(2010)] K. M. Leung and X. Zhang, "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, J. Branke, M. Pelikan,

- E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 265–272.
- [Li et al.(2010)Li, Zheng, Shen, Li, and Yuan] M. Li, J. Zheng, R. Shen, K. Li, and Q. Yuan, "A grid-based fitness strategy for evolutionary many-objective optimization," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 463-470.
- [Lichodzijewski and Heywood(2010)] P. Lichodzijewski and M. I. Heywood, "Symbiosis, complexification and simplicity under gp," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 853–860.
- [Lien et al.(2010)Lien, Yu, and You] T.-C. Lien, T.-L. Yu, and Y.-S. You, "Co-evolution of cooperative strategies under egoism," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 697-704.
- [Lin et al.(2010)Lin, min Hu, and Zhang] Y. Lin, X. min Hu, and J. Zhang, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 23–30.
- [Liśkiewicz and Textor(2010)] M. Liśkiewicz and J. Textor, "Negative selection algorithms without generating detectors," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1047–1054.
- [Liu et al.(2010)Liu, Zhang, Jiao, Liu, and Ma] R. Liu, W. Zhang, L. Jiao, F. Liu, and J. Ma, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 423–430.
- [Lo et al.(2010)Lo, Chan, Lee, and Leung] L.-Y. Lo, T.-M. Chan, K.-H. Lee, and K.-S. Leung, "Challenges rising from learning motif evaluation functions using genetic programming," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 171–178.
- [Lochtefeld and Ciarallo(2010)] D. F. Lochtefeld and F. W. Ciarallo, "Deterministic helper-objective sequences applied to job-shop scheduling," in GECCO '10: Proceedings of the 12th annual

- conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 431–438.
- [Lode et al.(2010)Lode, Richter, and Schmeck] C. Lode, U. Richter, and H. Schmeck, "Adaption of xcs to multi-learner predator/prey scenarios," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1015–1022.
- [López-Camacho et al.(2010)López-Camacho, Terashima-Marín, Ross, and Valenzuela-Rendón]
 E. López-Camacho, H. Terashima-Marín, P. Ross, and M. Valenzuela-Rendón, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 297–298.
- [Lopez-Ibanez and Stuetzle(2010)] M. Lopez-Ibanez and T. Stuetzle, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 71-78.
- [Loshchilov et al.(2010)Loshchilov, Schoenauer, and Sebag] I. Loshchilov, M. Schoenauer, and M. Sebag, "A mono surrogate for multiobjective optimization," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 471–478.
- [Luong et al.(2010)Luong, Nguyen, and Ahn] H. N. Luong, H. T. Nguyen, and C. W. Ahn, "Entropy-based substructural local search for the bayesian optimization algorithm," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 335–342.
- [Luque and Alba(2010)] G. Luque and E. Alba, "Selection pressure and takeover time of distributed evolutionary algorithms," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1083-1088.
- [Ma and Simon(2010)] H. Ma and D. Simon, "Biogeography-based optimization with blended migration for constrained optimization problems," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 417–418.

- [Macià et al.(2010)Macià, Orriols-Puig, and Bernadó-Mansilla] N. Macià, A. Orriols-Puig, and E. Bernadó-Mansilla, "In search of targeted-complexity problems," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1055–1062.
- [Manning(2010)] E. P. Manning, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 999–1006.
- [Manzoni et al.(2010)Manzoni, Vanneschi, and Mauri] L. Manzoni, L. Vanneschi, and G. Mauri, "Definition of a crossover based distance for genetic algorithms," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1473–1474.
- [Martí et al.(2010)Martí, García, Berlanga, and Molina] L. Martí, J. García, A. Berlanga, and J. M. Molina, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 545-546.
- [Mayfield and Penstein-Rosé(2010)] E. Mayfield and C. Penstein-Rosé, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1299–1306.
- [McMullin and Soule(2010)] M. McMullin and T. Soule, "Constant versus variable arity operators in genetic programming," in *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 987–988.
- [Meekhof and Soule(2010)] T. Meekhof and T. Soule, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 833–834.
- [Meiguins et al.(2010)Meiguins, Freitas, Limao, Junior, and Meiguins] A. S. Meiguins, A. A. Freitas, R. C. Limao, S. F. Junior, and B. S. Meiguins, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1069–1070.

- [Melkozerov and Beyer(2010)] A. Melkozerov and H.-G. Beyer, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 369-376.
- [Merelo et al.(2010)Merelo, Mora, and Runarsson] J. J. Merelo, A. M. Mora, and T. P. Runarsson, "Beating exhaustive search at its own game: revisiting evolutionary mastermind," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 291–292.
- [Mohemmed et al.(2010)Mohemmed, Zhang, and Browne] A. W. Mohemmed, M. Zhang, and W. N. Browne, "Particle swarm optimisation for outlier detection," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 83-84.
- [Momm and Easson(2010)] H. G. Momm and G. Easson, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 973–974.
- [Montero et al.(2010)Montero, Riff, and Neveu] E. Montero, M.-C. Riff, and B. Neveu, "An evaluation of off-line calibration techniques for evolutionary algorithms," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 299–300.
- [Moriguchi and Honiden(2010)] H. Moriguchi and S. Honiden, "Sustaining behavioral diversity in neat," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 611–618.
- [Mosnier et al.(2010)Mosnier, Gillot, Ducloux, and Ichchou] D. Mosnier, F. Gillot, A. Ducloux, and M. Ichchou, "Integrated pre-design step methodology based onmulti-objective evolutionary optimization," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1317–1318.
- [Mouret et al.(2010)Mouret, Doncieux, and Girard] J.-B. Mouret, S. Doncieux, and B. Girard, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 587–594.

- [Myburgh and Deb(2010)] C. Myburgh and K. Deb, "Evolutionary algorithms in large-scale open pit mine scheduling," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1155-1162.
- [Nadi et al.(2010)Nadi, Khader, and Al-Betar] F. Nadi, A. T. Khader, and M. A. Al-Betar, "Adaptive genetic algorithm using harmony search," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 819–820.
- [Neumann et al.(2010)Neumann, Sudholt, and Witt] F. Neumann, D. Sudholt, and C. Witt, "A few ants are enough: Aco with iteration-best update," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 63-70.
- [Nguyen et al.(2010)Nguyen, Luong, and Ahn] H. T. Nguyen, H. N. Luong, and C. W. Ahn, "Entropy measurement-based estimation model for bayesian optimization algorithm," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 343–350.
- [Nikanjam et al.(2010)Nikanjam, Sharifi, Helmi, and Rahmani] A. Nikanjam, H. Sharifi, B. H. Helmi, and A. Rahmani, "A new dsm clustering algorithm for linkage groups identification," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 367–368.
- [Orriols-Puig et al.(2010)Orriols-Puig, Llorà, and Goldberg] A. Orriols-Puig, X. Llorà, and D. E. Goldberg, "How xcs deals with rarities in domains with continuous attributes," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1023–1030.
- [Ortegon-Cano et al.(2010)Ortegon-Cano, Hartasanchez, and Stephens] P. Ortegon-Cano, D. A. Hartasanchez, and C. R. Stephens, "Why recombination should be adaptive," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 831–832.
- [Ovreiu and Simon(2010)] M. Ovreiu and D. Simon, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1235–1242.

- [Padhye and Deb(2010)] N. Padhye and K. Deb, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1259–1266.
- [Pedersen and Butz(2010)] G. K. Pedersen and M. V. Butz, "Evolving robust controller parameters using covariance matrix adaptation," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1251–1258.
- [Pelikan(2010)] M. Pelikan, "Nk landscapes, problem difficulty, and hybrid evolutionary algorithms," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation,
 J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz,
 J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry,
 D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM,
 7-11 July 2010, pp. 665-672.
- [Pennachin et al.(2010)Pennachin, Looks, and de Vasconcelos] C. L. Pennachin, M. Looks, and J. A. de Vasconcelos, "Robust symbolic regression with affine arithmetic," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 917–924.
- [Pilat and Jacob(2010)] M. L. Pilat and C. Jacob, "Evolution of vision capabilities in embodied virtual creatures," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 95–102.
- [Preuss et al.(2010)Preuss, Rudolph, and Wessing] M. Preuss, G. Rudolph, and S. Wessing, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 401–408.
- [Radetic and Pelikan(2010)] E. Radetic and M. Pelikan, "Spurious dependencies and eda scalability," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 303-310.
- [Rajagopalan et al.(2010)Rajagopalan, Rawal, and Miikkulainen] P. Rajagopalan, A. Rawal, and R. Miikkulainen, "Emergence of competitive and cooperative behavior using coevolution," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1073–1074.

- [Reehuis and Bäck(2010)] E. Reehuis and T. Bäck, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1187–1194.
- [Ren and Feng(2010)] Z. Ren and Z. Feng, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 281–288.
- [Risi et al.(2010)Risi, Lehman, and Stanley] S. Risi, J. Lehman, and K. O. Stanley, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 563-570.
- [Roychoudhury et al.(2010)Roychoudhury, Das, Scoglio, Das, Panigrahi, and Pattnaik]
 S. Roychoudhury, S. Das, C. Scoglio, S. Das, B. K. Panigrahi, and S. S. Pattnaik, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1325–1326.
- [Salichon and Tumer(2010)] M. Salichon and K. Tumer, "A neuro-evolutionary approach to micro aerial vehicle control," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1123-1130.
- [Salim et al.(2010)Salim, Javed, and Akbar] S. Salim, M. Javed, and A. H. Akbar, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 79–80.
- [Salinas-Gutiérrez et al.(2010)Salinas-Gutiérrez, Hernández-Aguirre, and Villa-Diharce] R. Salinas-Gutiérrez, A. Hernández-Aguirre, and E. R. Villa-Diharce, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 359–366.
- [Sanyal et al.(2010)Sanyal, S, and Biswas] S. Sanyal, R. S, and S. Biswas, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen,

- K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1417–1424.
- [Sato et al.(2010)Sato, Sato, and Namiki] M. Sato, Y. Sato, and M. Namiki, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1321–1322.
- [Schmidt and Lipson(2010)] M. D. Schmidt and H. Lipson, "Age-fitness pareto optimization," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 543-544.
- [Schrum and Miikkulainen(2010)] J. Schrum and R. Miikkulainen, "Evolving agent behavior in multiobjective domains using fitness-based shaping," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 439-446.
- [Sharma and Collet(2010)] D. Sharma and P. Collet, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 479–486.
- [Shimada and Hirasawa(2010)] K. Shimada and K. Hirasawa, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1115–1122.
- [Shir et al.(2010)Shir, Roslund, and Rabitz] O. M. Shir, J. Roslund, and H. Rabitz, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 421–422.
- [Sierra and Ponsoda(2010)] A. Sierra and V. Ponsoda, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1307–1308.
- [Sinnott-Armstrong et al.(2010)Sinnott-Armstrong, Greene, and Moore] N. A. Sinnott-Armstrong, C. S. Greene, and J. H. Moore, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 215–216.
- [Snel and Whiteson(2010)] M. Snel and S. Whiteson, "Multi-task evolutionary shaping without prespecified representations," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1031–1038.
- [Soule and Heckendorn(2010)] T. Soule and R. B. Heckendorn, "A developmental algorithm for multiagent swarms with scalable hierarchies," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 647-648.
- [Steiner et al.(2010)Steiner, Jin, and Sendhoff] T. Steiner, Y. Jin, and B. Sendhoff, "Evolving heterochrony for cellular differentiation using vector field embryogeny," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 571–578.
- [Steitz and Rothlauf(2010)] W. Steitz and F. Rothlauf, "Solving ocst problems with problem-specific guided local search," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 301–302.
- [Stonedahl and Stonedahl(2010)] F. Stonedahl and S. H. Stonedahl, "Heuristics for sampling repetitions in noisy landscapes with fitness caching," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 273–280.
- [Stracquadanio et al.(2010)Stracquadanio, Drago, Romano, and Nicosia] G. Stracquadanio, C. Drago, V. Romano, and G. Nicosia, "Multi-objective optimization of doping profile in semiconductor design," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1243–1250.
- [Su et al.(2010)Su, Gao, and Cao] C. Su, Y. Gao, and C. Cao, "Learning classifier system using both labeled and unlabeled data," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1065–1066.

- [Sugawara et al.(2010)Sugawara, Fukuda, Hirotsu, and Kurihara] T. Sugawara, K. Fukuda, T. Hirotsu, and S. Kurihara, "Adaptive probabilistic task allocation in large-scale multiagent systems and its evaluation," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1311–1312.
- [Tanji and Iba(2010)] M. Tanji and H. Iba, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1275–1282.
- [Ter-Sarkisov et al.(2010)Ter-Sarkisov, Marsland, and Holland] A. Ter-Sarkisov, S. R. Marsland, and B. R. Holland, "The k-bit-swap: a new genetic algorithm operator," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 815–816.
- [Toledo-Suárez (2010)] C. D. Toledo-Suárez, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 991–998.
- [Trefzer et al.(2010)Trefzer, Kuyucu, Miller, and Tyrrell] M. A. Trefzer, T. Kuyucu, J. F. Miller, and A. M. Tyrrell, "Image compression of natural images using artificial gene regulatory networks," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 595-602.
- [Trujillo et al.(2010)Trujillo, Legrand, and Lévy-Véhel] L. Trujillo, P. Legrand, and J. Lévy-Véhel, "The estimation of hölderian regularity using genetic programming," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 861–868.
- [Tsai et al.(2010)Tsai, Tseng, Chiang, and Yang] C.-W. Tsai, S.-P. Tseng, M.-C. Chiang, and C.-S. Yang, "A framework for accelerating metaheuristics via pattern reduction," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 293–294.
- [Tulshyan et al.(2010)Tulshyan, Arora, Deb, and Dutta] R. Tulshyan, R. Arora, K. Deb, and J. Dutta, "Investigating ea solutions for approximate kkt conditions in smooth problems," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry,

- D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 689–696.
- [Tutum and Hattel(2010)] C. C. Tutum and J. H. Hattel, "Multi-objective optimization of process parameters in friction stir welding," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1323-1324.
- [Ulrich et al.(2010)Ulrich, Bader, and Zitzler] T. Ulrich, J. Bader, and E. Zitzler, "Integrating decision space diversity into hypervolume-based multiobjective search," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 455–462.
- [Unachak and Goodman(2010)] P. Unachak and E. Goodman, "Solving multiobjective flexible job-shop scheduling using an adaptive representation," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 737-742.
- [Urbanowicz and Moore(2010)] R. J. Urbanowicz and J. H. Moore, "The application of michigan-style learning classifiersystems to address genetic heterogeneity and epistasisin association studies," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 195–202.
- [Uy et al.(2010)Uy, Hoai, O'Neill, and McKay] N. Q. Uy, N. X. Hoai, M. O'Neill, and B. McKay, "Semantics based crossover for boolean problems," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 869-876.
- [Vafaee et al.(2010) Vafaee, Turán, and Nelson] F. Vafaee, G. Turán, and P. C. Nelson, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 721–728.
- [Valsecchi et al.(2010) Valsecchi, Vanneschi, and Mauri] A. Valsecchi, L. Vanneschi, and G. Mauri, "Optimization speed and fair sets of functions," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1475–1476.
- [Vanneschi et al.(2010) Vanneschi, Codecasa, and Mauri] L. Vanneschi, D. Codecasa, and G. Mauri, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz,

- J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 15–22.
- [Veeramachaneni et al.(2010) Veeramachaneni, Vladislavleva, Burland, Parcon, and O'Reilly]
 K. Veeramachaneni, K. Vladislavleva, M. Burland, J. Parcon, and U.-M. O'Reilly, "Evolutionary optimization of flavors," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1291–1298.
- [Verbancsics and Stanley(2010)] P. Verbancsics and K. O. Stanley, "Transfer learning through indirect encoding," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 547–554.
- [Vladislavleva et al.(2010)Vladislavleva, Veeramachaneni, Burland, Parcon, and O'Reilly]
 K. Vladislavleva, K. Veeramachaneni, M. Burland, J. Parcon, and U.-M. O'Reilly, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 941–948.
- [Voßet al.(2010)Voß, Hansen, and Igel] T. Voß, N. Hansen, and C. Igel, "Improved step size adaptation for the mo-cma-es," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 487–494.
- [Vrajitoru(2010)] D. Vrajitoru, "Shared memory genetic algorithms in a multi-agent context," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1097-1104.
- [Walton et al.(2010)Walton, Grewal, and Darlington] M. Walton, G. Grewal, and G. Darlington, "Parallel fpga-based implementation of scatter search," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1075–1082.
- [Wang and Tan(2010)] J. Wang and Y. Tan, "A novel genetic programming based morphological image analysis algorithm," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 979–980.
- [Wen et al.(2010)Wen, Xu, and Yang] Y. Wen, H. Xu, and J. Yang, "A heuristic-based hybrid genetic algorithm for heterogeneous multiprocessor scheduling," in *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, J. Branke, M. Pelikan, E. Alba,

- D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb,
 A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert,
 L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 729-736.
- [Whitley et al.(2010)Whitley, Chicano, Alba, and Luna] L. D. Whitley, F. Chicano, E. Alba, and F. Luna, "Elementary landscapes of frequency assignment problems," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1409–1416.
- [Wilkerson and Tauritz(2010)] J. L. Wilkerson and D. Tauritz, "Coevolutionary automated software correction," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1391–1392.
- [Wilson and Banzhaf(2010)] G. Wilson and W. Banzhaf, "Interday foreign exchange trading using linear genetic programming," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1139-1146.
- [Windisch(2010)] A. Windisch, "Search-based test data generation from stateflow statecharts," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation,
 J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz,
 J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry,
 D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM,
 7-11 July 2010, pp. 1349–1356.
- [Wong et al.(2010)Wong, Leung, and Wong] K.-C. Wong, K.-S. Leung, and M.-H. Wong, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 155–162.
- [Wu and Banzhaf(2010)] S. X. Wu and W. Banzhaf, "A hierarchical cooperative evolutionary algorithm," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 233-240.
- [Xu et al.(2010)Xu, Cohen, and Rothermel] Z. Xu, M. B. Cohen, and G. Rothermel, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1365–1372.
- [Yang et al.(2010)Yang, Xu, Cai, and Jia] J. Yang, H. Xu, Y. Cai, and P. Jia, "Effective structure learning for eda via l1-regularized bayesian networks," in *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb,

- A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 327–334.
- [Yehoshua et al.(2010)Yehoshua, Avigal, and Unger] R. Yehoshua, M. Avigal, and R. Unger, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 681–688.
- [You et al.(2010)You, Yu, and Lien] Y.-S. You, T.-L. Yu, and T.-C. Lien, "Psychological preference-based optimization framework on the nurse scheduling problem," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1319–1320.
- [Zafra and Ventura(2010)] A. Zafra and S. Ventura, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 909-916.
- [Zapotecas Martínez and Coello Coello(2010)] S. Zapotecas Martínez and C. A. Coello Coello, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 537–538.
- [Zhan and Zhang(2010)] Z.-H. Zhan and J. Zhang, "Self-adaptive differential evolution based on pso learning strategy," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 39-46.
- [Zhang et al.(2010)Zhang, Alba, Durillo, Eldh, and Harman] Y. Zhang, E. Alba, J. J. Durillo, S. Eldh, and M. Harman, "Today/future importance analysis," in GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1357–1364.
- [Zhou and Tan(2010)] Y. Zhou and Y. Tan, "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, J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds. Portland, Oregon, USA: ACM, 7-11 July 2010, pp. 1–8.