

Список литературы

- [Abbas(2010)] Abbas, H. M. (2010). Mixed-coded evolutionary algorithm for gaussian mixture maximum likelihood clustering with model selection. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 825–826.
- [Addicoat & Brain(2010)] Addicoat, M. A. & Brain, Z. E. (2010). Using a meta-ga for parametric optimization of simple gas in the computational chemistry domain. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 823–824.
- [Afridi *et al.*(2010)] Afridi, Manzoor, Rasheed, Ahmed, & Faraz] Afridi, M. J., Manzoor, S., Rasheed, U., Ahmed, M., & Faraz, K. (2010). Performance evaluation of evolutionary algorithms for road detection. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1331–1332.
- [Ahalpara(2010)] Ahalpara, D. P. (2010). Improved forecasting of time series data of real system using genetic programming. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 977–978.
- [Akimoto *et al.*(2010)] Akimoto, Nagata, Ono, & Kobayashi] Akimoto, Y., Nagata, Y., Ono, I., & Kobayashi, S. (2010). Theoretical analysis of evolutionary computation on continuously differentiable functions. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1401–1408.
- [Al-Betar *et al.*(2010)] Al-Betar, Khader, & Nadi] Al-Betar, M. A., Khader, A. T., & Nadi, F. (2010). Selection mechanisms in memory consideration for examination timetabling with harmony search. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1203–1210.
- [Alonso *et al.*(2010)] Alonso, Martínez, Santamaría, Pérez, & Valente] Alonso, F., Martínez, L., Santamaría, A., Pérez, A., & Valente, J. P. (2010). Ggpp-based method for modeling time series: operator selection, parameter optimization and expert evaluation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 989–990.
- [Álvaro Fialho *et al.*(2010)] Álvaro Fialho, Schoenauer, & Sebag] Álvaro Fialho, Schoenauer, M., & Sebag, M. (2010). Toward comparison-based adaptive operator selection. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 767–774.
- [Arnold & Hansen(2010)] Arnold, D. V. & Hansen, N. (2010). Active covariance matrix adaptation for the (1+1)-cma-es. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 385–392.
- [Atilgan & Hu(2010)] Atilgan, E. & Hu, J. (2010). Efficient protein-ligand docking using sustainable evolutionary algorithm. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 211–212.
- [Auerbach & Bongard(2010)] Auerbach, J. E. & Bongard, J. C. (2010). Evolving cppns to grow three-dimensional physical structures. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 627–634.
- [Augusto *et al.*(2010)Augusto, Barbosa, & Ebecken] Augusto, D. A., Barbosa, H. J. C., & Ebecken, N. F. F. (2010). Coevolutionary multi-population genetic programming for data classification. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 933–940.
- [Avery & Louis(2010)] Avery, P. & Louis, S. (2010). Coevolving influence maps for spatial team tactics in a rts game. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 783–790.
- [Azad & Ryan(2010)] Azad, R. M. A. & Ryan, C. (2010). Abstract functions and lifetime learning in genetic programming for symbolic regression. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 893–900.
- [Barrero *et al.*(2010)Barrero, Camacho, & R-Moreno] Barrero, D. F., Camacho, D., & R-Moreno, M. D. (2010). Confidence intervals of success rates in evolutionary computation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 975–976.
- [Barreto *et al.*(2010)Barreto, Bernardino, & Barbosa] Barreto, A. M., Bernardino, H. S., & Barbosa, H. J. (2010). Probabilistic performance profiles for the experimental evaluation of stochastic algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 751–758.
- [Behdad *et al.*(2010)Behdad, French, Barone, & Bennamoun] Behdad, M., French, T., Barone, L., & Bennamoun, M. (2010). On the problems of using learning classifier systems for fraud detection. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1067–1068.
- [Benjamin & Julstrom(2010)] Benjamin, J. & Julstrom, B. A. (2010). Breaking ties with secondary fitness in a genetic algorithm for the bin packing problem. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 657–664.
- [Berghammer *et al.*(2010)Berghammer, Friedrich, & Neumann] Berghammer, R., Friedrich, T., & Neumann, F. (2010). Set-based multi-objective optimization, indicators, and deteriorative cycles. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 495–502.
- [Bhowan *et al.*(2010)Bhowan, Zhang, & Johnston] Bhowan, U., Zhang, M., & Johnston, M. (2010). Auc analysis of the pareto-front using multi-objective gp for classification with unbalanced data. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 845–852.
- [Bibai *et al.*(2010)Bibai, Saveant, Schoenauer, & Vidal] Bibai, J., Saveant, P., Schoenauer, M., & Vidal, V. (2010). On the generality of parameter tuning in evolutionary planning. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 241–248.
- [Bongard & Hornby(2010)] Bongard, J. C. & Hornby, G. S. (2010). Guarding against premature convergence while accelerating evolutionary search. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 111–118.
- [Borges *et al.*(2010)Borges, Alonso, & Montana] Borges, C. E., Alonso, C. L., & Montana, J. L. (2010). Model selection in genetic programming. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 985–986.
- [Bosman(2010)] Bosman, P. A. (2010). The anticipated mean shift and cluster registration in mixture-based edas for multi-objective optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 351–358.
- [Bringmann & Friedrich(2010)] Bringmann, K. & Friedrich, T. (2010). The maximum hypervolume set yields near-optimal approximation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 511–518.
- [Brown & Huber(2010)] Brown, J. B. & Huber, M. (2010). Pseudo-hierarchical ant-based clustering using a heterogeneous agent hierarchy and automatic boundary formation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 85–86.
- [Buryan & Kubalik(2010)] Buryan, P. & Kubalik, J. (2010). Context-sensitive refinements for stochastic optimization algorithms in inductive logic programming. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1071–1072.
- [Carlson & Hougen(2010)] Carlson, B. P. & Hougen, D. F. (2010). Phenotype feedback genetic algorithm operators for heuristic encoding of snakes within hypercubes. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 791–798.
- [Ceriani *et al.*(2010)] Ceriani, M., Ferrandi, F., Lanzi, P. L., Sciuto, D., & Tumeo, A. (2010). Multiprocessor systems-on-chip synthesis using multi-objective evolutionary computation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1267–1274.
- [Chen *et al.*(2010)] Chen, Z., He, Z., & Zhang, C. (2010). Particle swarm optimizer with self-adjusting neighborhoods. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 9–14.
- [Chicano *et al.*(2010)] Chicano, F., Luque, G., & Alba, E. (2010). Elementary landscape decomposition of the quadratic assignment problem. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1425–1432.
- [Choi *et al.*(2010)] Choi, Y.-S., Koo, B.-K., & Moon, B.-R. (2010). Optimization of an image set by genetic feature selection for real-time photomosaics. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1309–1310.
- [Chuang & Hsu(2010)] Chuang, C.-Y. & Hsu, W.-L. (2010). Multivariate multi-model approach for globally multimodal problems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 311–318.
- [Chwatal *et al.*(2010)Chwatal, Raidl, & Zöch] Chwatal, A. M., Raidl, G. R., & Zöch, M. (2010). Fitting multi-planet transit models to photometric time-data series by evolution strategies. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 377–384.
- [Clune *et al.*(2010)Clune, Beckmann, McKinley, & Ofria] Clune, J., Beckmann, B. E., McKinley, P. K., & Ofria, C. (2010). Investigating whether hyperneat produces modular neural networks. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 635–642.
- [Collier & Wineberg(2010)] Collier, R. & Wineberg, M. (2010). Approaches to multidimensional scaling for adaptive landscape visualization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 649–656.
- [Colmenar *et al.*(2010)Colmenar, Risco-Martín, Atienza, Garnica, Hidalgo, & Lanchares] Colmenar, J. M., Risco-Martín, J. L., Atienza, D., Garnica, O., Hidalgo, J. I., & Lanchares, J. (2010). Improving reliability of embedded systems through dynamic memory manager optimization using grammatical evolution. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1227–1234.
- [Connelly *et al.*(2010)Connelly, Beckmann, & McKinley] Connelly, B. D., Beckmann, B. E., & McKinley, P. K. (2010). Resource abundance promotes the evolution of public goods cooperation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 143–150.
- [Conrad *et al.*(2010)Conrad, Roos, & Kapfhammer] Conrad, A. P., Roos, R. S., & Kapfhammer, G. M. (2010). Empirically studying the role of selection operators during search-based test suite prioritization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1373–1380.

- [Cook & Tauritz(2010)] Cook, J. E. & Tauritz, D. R. (2010). An exploration into dynamic population sizing. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 807–814.
- [Crofford *et al.*(2010)Crofford, Eskridge, & Hougen] Crofford, J., Eskridge, B. E., & Hougen, D. F. (2010). Applying the triple parameter hypothesis to maintenance scheduling. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 799–806.
- [Curran *et al.*(2010)Curran, Freuder, & Jansen] Curran, D., Freuder, E., & Jansen, T. (2010). Incremental evolution of local search heuristics. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 981–982.
- [de A. Araújo *et al.*(2010)de A. Araújo, de Oliveira, & Soares] de A. Araújo, R., de Oliveira, A. L., & Soares, S. C. (2010). A covariance matrix adaptation based evolutionary methodology for phase adjustment in financial time series forecasting. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1315–1316.
- [de Mattos Neto *et al.*(2010)de Mattos Neto, Lima Junior, & Ferreira] de Mattos Neto, P. S., Lima Junior, A. R., & Ferreira, T. A. (2010). Time series forecasting using a perturbative intelligent system. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1477–1478.
- [de Mendonca Neta *et al.*(2010)de Mendonca Neta, Araujo, Guimaraes, & Mesquita] de Mendonca Neta, B. M., Araujo, G. H. D., Guimaraes, F. G., & Mesquita, R. C. (2010). A hybrid genetic algorithm for automatic graph drawing based on the topology-shape-metric approach. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 743–750.
- [De Prisco *et al.*(2010)De Prisco, Zaccagnino, & Zaccagnino] De Prisco, R., Zaccagnino, G., & Zaccagnino, R. (2010). Evobasscomposer: a multi-objective genetic algorithm for 4-voice compositions. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 817–818.
- [Deb & Padhye(2010)] Deb, K. & Padhye, N. (2010). Development of efficient particle swarm optimizers by using concepts from evolutionary algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 55–62.
- [Di Carlo *et al.*(2010)Di Carlo, Sanchez, Scionti, Squillero, Tonda, & Falasconi] Di Carlo, S., Sanchez, E., Scionti, A., Squillero, G., Tonda, A. P., & Falasconi, M. (2010). Towards drift correction in chemical sensors using an evolutionary strategy. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1329–1330.
- [Doerr & Johannsen(2010)] Doerr, B. & Johannsen, D. (2010). Edge-based representation beats vertex-based representation in shortest path problems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 759–766.
- [Doğan *et al.*(2010)Doğan, Erdal, & Saka] Doğan, E., Erdal, F., & Saka, M. P. (2010). Optimum design of grillage systems under code provisions using particle swarm optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 289–290.
- [Downey *et al.*(2010)Downey, Zhang, & Browne] Downey, C., Zhang, M., & Browne, W. N. (2010). New crossover operators in linear genetic programming for multiclass object classification. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 885–892.
- [Downing(2010)] Downing, K. L. (2010). The baldwin effect in developing neural networks. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 555–562.
- [Ducatelle *et al.*(2010)Ducatelle, Di Caro, & Gambardella] Ducatelle, F., Di Caro, G. A., & Gambardella, L. M. (2010). Cooperative self-organization in a heterogeneous swarm robotic system. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 87–94.
- [Dumitrescu *et al.*(2010)Dumitrescu, Lung, Nagy, Zaharie, & Bartha] Dumitrescu, D., Lung, R. I., Nagy, R., Zaharie, D., & Bartha, A. (2010). Exploring evolutionary detected fuzzy equilibria: a link between normative theory and real life. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 539–540.
- [Esparcia-Alcazár *et al.*(2010)Esparcia-Alcazár, Martínez-García, Mora, Merelo, & García-Sánchez] Esparcia-Alcazár, A. I., Martínez-García, A., Mora, A. M., Merelo, J. J., & García-Sánchez, P.

- (2010). Genetic evolution of fuzzy finite state machines to control bots in a first-person shooter game. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 829–830.
- [Evins *et al.*(2010)Evins, Pointer, & Vaidyanathan] Evins, R., Pointer, P., & Vaidyanathan, R. (2010). Configuration of a genetic algorithm for multi-objective optimisation of solar gain to buildings. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1327–1328.
- [Farinaccio *et al.*(2010)Farinaccio, Vanneschi, Giacobini, Mauri, & Provero] Farinaccio, A., Vanneschi, L., Giacobini, M., Mauri, G., & Provero, P. (2010). On the use of genetic programming for the prediction of survival in cancer. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 163–170.
- [Fast *et al.*(2010)Fast, Le Gouse, Forrest, & Weimer] Fast, E., Le Gouse, C., Forrest, S., & Weimer, W. (2010). Designing better fitness functions for automated program repair. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 965–972.
- [Fernando(2010)] Fernando, C. (2010). Neuronal replicators solve the stability-plasticity dilemma. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 153–154.
- [Folino & Pizzuti(2010)] Folino, F. & Pizzuti, C. (2010). Multiobjective evolutionary community detection for dynamic networks. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 535–536.
- [Foster & Somayaji(2010)] Foster, B. & Somayaji, A. (2010). Object-level recombination of commodity applications. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 957–964.
- [Franco *et al.*(2010)Franco, Krasnogor, & Bacardit] Franco, M. A., Krasnogor, N., & Bacardit, J. (2010). Speeding up the evaluation of evolutionary learning systems using gpgpus. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1039–1046.

- [Gajda & Sekanina(2010)] Gajda, Z. & Sekanina, L. (2010). When does cartesian genetic programming minimize the phenotype size implicitly? In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 983–984.
- [Galan & Mengshoel(2010)] Galan, S. F. & Mengshoel, O. J. (2010). Generalized crowding for genetic algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 775–782.
- [Galván-López *et al.*(2010)] Galván-López, E., McDermott, J., O'Neill, M., & Brabazon, A. (2010). Towards an understanding of locality in genetic programming. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 901–908.
- [García-Martínez *et al.*(2010)] García-Martínez, C., Lima, C., Twycross, J., Krasnogor, N., & Lozano, M. (2010). P system model optimisation by means of evolutionary based search algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 187–194.
- [Garrett *et al.*(2010)] Garrett, A., Chen, Z., & Smith, D. E. (2010). Constructing numerically stable real number codes using evolutionary computation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1163–1170.
- [Glasmachers *et al.*(2010)] Glasmachers, T., Schaul, T., Yi, S., Wierstra, D., & Schmidhuber, J. (2010). Exponential natural evolution strategies. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 393–400.
- [Goldsby *et al.*(2010)] Goldsby, H. J., Knoester, D. B., & Ofria, C. (2010). Evolution of division of labor in genetically homogenous groups. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 135–142.
- [Gong *et al.*(2010)] Gong, W., Álvaro Fialho, & Cai, Z. (2010). Adaptive strategy selection in differential evolution. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 409–416.

- [Gonzales *et al.*(2010)Gonzales, Mabu, Taboada, Hirasawa, & Shimada] Gonzales, E., Mabu, S., Taboada, K., Hirasawa, K., & Shimada, K. (2010). Pruning association rules using statistics and genetic relation algorithm. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 419–420.
- [Hall *et al.*(2010)Hall, McMinn, & Walkinshaw] Hall, M., McMinn, P., & Walkinshaw, N. (2010). Superstate identification for state machines using search-based clustering. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1381–1388.
- [Harding *et al.*(2010)Harding, Miller, & Banzhaf] Harding, S., Miller, J. F., & Banzhaf, W. (2010). Self modifying cartesian genetic programming: finding algorithms that calculate pi and e to arbitrary precision. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 579–586.
- [Hauschild & Pelikan(2010)] Hauschild, M. W. & Pelikan, M. (2010). Network crossover performance on nk landscapes and deceptive problems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 713–720.
- [Herrera-Ortiz *et al.*(2010)Herrera-Ortiz, Oliver-Morales, & Rodríguez-Vázquez] Herrera-Ortiz, J. A., Oliver-Morales, C., & Rodríguez-Vázquez, K. (2010). Amount and type of information: a ga-hardness taxonomy. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 835–836.
- [Hildebrandt *et al.*(2010)Hildebrandt, Heger, & Scholz-Reiter] Hildebrandt, T., Heger, J., & Scholz-Reiter, B. (2010). Towards improved dispatching rules for complex shop floor scenarios: a genetic programming approach. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 257–264.
- [Hiller & Lipson(2010)] Hiller, J. D. & Lipson, H. (2010). Morphological evolution of freeform robots. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 151–152.
- [Holzinger *et al.*(2010)Holzinger, Buchanan, Dudek, Torstenson, Turner, & Ritchie] Holzinger, E. R., Buchanan, C. C., Dudek, S. M., Torstenson, E. C., Turner, S. D., & Ritchie, M. D. (2010). Initialization parameter sweep in athena: optimizing neural networks for detecting gene-gene interactions in the presence of small main effects. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 203–210.
- [Horoba & Sudholt(2010)] Horoba, C. & Sudholt, D. (2010). Ant colony optimization for stochastic shortest path problems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1465–1472.
- [hui Zhong & Zhang(2010)] hui Zhong, J. & Zhang, J. (2010). A robust estimation of distribution algorithm for power electronic circuits design. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 319–326.
- [Hutzschenreuter *et al.*(2010)]Hutzschenreuter, Bosman, & La Poutré] Hutzschenreuter, A. K., Bosman, P. A., & La Poutré, H. (2010). Enhanced hospital resource management using anticipatory policies in online dynamic multi-objective optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 541–542.
- [II & Tumer(2010)] II, J. F. S. & Tumer, K. (2010). Robust neuro-control for a micro quadrotor. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1131–1138.
- [Inden *et al.*(2010)]Inden, Jin, Haschke, & Ritter] Inden, B., Jin, Y., Haschke, R., & Ritter, H. (2010). Neatfields: evolution of neural fields. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 645–646.
- [Iordache(2010)] Iordache, S. (2010). Consultant-guided search: a new metaheuristic for combinatorial optimization problems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 225–232.
- [Ishibuchi *et al.*(2010)]Ishibuchi, Sakane, Tsukamoto, & Nojima] Ishibuchi, H., Sakane, Y., Tsukamoto, N., & Nojima, Y. (2010). Simultaneous use of different scalarizing functions in moea/d. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 519–526.
- [Jansen & Zarges(2010)] Jansen, T. & Zarges, C. (2010). Aging beyond restarts. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the*

12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM, 705–712.

- [Jaros & Dvorak(2010)] Jaros, J. & Dvorak, V. (2010). Evolutionary-based conflict-free scheduling of collective communications on spidergon nocs. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1171–1178.
- [Jensen & Cheng(2010)] Jensen, A. C. & Cheng, B. H. (2010). On the use of genetic programming for automated refactoring and the introduction of design patterns. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1341–1348.
- [Jiang & Chen(2010)] Jiang, H. & Chen, Y. (2010). An efficient algorithm for generalized minimum spanning tree problem. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 217–224.
- [jie Yu & Zhang(2010)] jie Yu, W. & Zhang, J. (2010). Pheromone-distribution-based adaptive ant colony system. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 31–38.
- [Johannsen *et al.*(2010)Johannsen, Kurur, & Lengler] Johannsen, D., Kurur, P. P., & Lengler, J. (2010). Can quantum search accelerate evolutionary algorithms? In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1433–1440.
- [Johansson *et al.*(2010)Johansson, König, & Niklasson] Johansson, U., König, R., & Niklasson, L. (2010). Genetic rule extraction optimizing brier score. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1007–1014.
- [Kamath *et al.*(2010)Kamath, De Jong, & Shehu] Kamath, U., De Jong, K. A., & Shehu, A. (2010). Selecting predictive features for recognition of hypersensitive sites of regulatory genomic sequences with an evolutionary algorithm. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 179–186.
- [Kim *et al.*(2010)Kim, McKay, & Moon] Kim, K., McKay, R. B., & Moon, B.-R. (2010). Multiobjective evolutionary algorithms for dynamic social network clustering. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1179–1186.

- [Kimbrough *et al.*(2010)Kimbrough, Kuo, & Lau] Kimbrough, S. O., Kuo, A., & Lau, H. C. (2010). Effective heuristic methods for finding non-optimal solutions of interest in constrained optimization models. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 295–296.
- [Knoester *et al.*(2010)Knoester, Goldsby, & McKinley] Knoester, D. B., Goldsby, H. J., & McKinley, P. K. (2010). Neuroevolution of mobile ad hoc networks. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 603–610.
- [Knudson & Tumer(2010)] Knudson, M. & Tumer, K. (2010). Coevolution of heterogeneous multi-robot teams. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 127–134.
- [Koos *et al.*(2010)Koos, Mouret, & Doncieux] Koos, S., Mouret, J.-B., & Doncieux, S. (2010). Crossing the reality gap in evolutionary robotics by promoting transferable controllers. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 119–126.
- [Kötzing *et al.*(2010)Kötzing, Lehre, Neumann, & Oliveto] Kötzing, T., Lehre, P. K., Neumann, F., & Oliveto, P. S. (2010). Ant colony optimization and the minimum cut problem. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1393–1400.
- [Koutnik *et al.*(2010)Koutnik, Gomez, & Schmidhuber] Koutnik, J., Gomez, F., & Schmidhuber, J. (2010). Evolving neural networks in compressed weight space. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 619–626.
- [Kramer & Danielsiek(2010)] Kramer, O. & Danielsiek, H. (2010). Dbscan-based multi-objective niching to approximate equivalent pareto-subsets. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 503–510.
- [Kremmel *et al.*(2010)Kremmel, Kubalik, & Biffl] Kremmel, T., Kubalik, J., & Biffl, S. (2010). Multiobjective evolutionary algorithm for software project portfolio optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1389–1390.

- [Kubalik *et al.*(2010)Kubalik, Buryan, & Wagner] Kubalik, J., Buryan, P., & Wagner, L. (2010). Solving the dna fragment assembly problem efficiently using iterative optimization with evolved hypermutations. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 213–214.
- [Kureichik *et al.*(2010)Kureichik, Lebedev, & Lebedev] Kureichik, V. M., Lebedev, B. K., & Lebedev, O. B. (2010). Hybrid evolutionary algorithm of planning vlsi. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 821–822.
- [Lässig & Sudholt(2010)] Lässig, J. & Sudholt, D. (2010). The benefit of migration in parallel evolutionary algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1105–1112.
- [Lee & Moon(2010)] Lee, S.-K. & Moon, B.-R. (2010). A new modular genetic programming for finding attractive technical patterns in stock markets. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1219–1226.
- [Lehman & Stanley(2010)] Lehman, J. & Stanley, K. O. (2010). Revising the evolutionary computation abstraction: minimal criteria novelty search. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 103–110.
- [Lehre & Witt(2010)] Lehre, P. K. & Witt, C. (2010). Black-box search by unbiased variation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1441–1448.
- [Lemmens & Tuyls(2010)] Lemmens, N. & Tuyls, K. (2010). Stigmergic landmark routing: a routing algorithm for wireless mobile ad-hoc networks. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 47–54.
- [Leung & Zhang(2010)] Leung, K. M. & Zhang, X. (2010). Discrete versus continuous parametrization of bank credit rating systems optimization using differential evolution. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 265–272.
- [Li *et al.*(2010)Li, Zheng, Shen, Li, & Yuan] Li, M., Zheng, J., Shen, R., Li, K., & Yuan, Q. (2010). A grid-based fitness strategy for evolutionary many-objective optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 463–470.
- [Lichodziejewski & Heywood(2010)] Lichodziejewski, P. & Heywood, M. I. (2010). Symbiosis, complexification and simplicity under gp. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 853–860.
- [Lien *et al.*(2010)Lien, Yu, & You] Lien, T.-C., Yu, T.-L., & You, Y.-S. (2010). Co-evolution of cooperative strategies under egoism. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 697–704.
- [Lin *et al.*(2010)Lin, min Hu, & Zhang] Lin, Y., min Hu, X., & Zhang, J. (2010). An ant-colony-system-based activity scheduling method for the lifetime maximization of heterogeneous wireless sensor networks. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 23–30.
- [Liśkiewicz & Textor(2010)] Liśkiewicz, M. & Textor, J. (2010). Negative selection algorithms without generating detectors. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1047–1054.
- [Liu *et al.*(2010)Liu, Zhang, Jiao, Liu, & Ma] Liu, R., Zhang, W., Jiao, L., Liu, F., & Ma, J. (2010). A sphere-dominance based preference immune-inspired algorithm for dynamic multi-objective optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 423–430.
- [Lo *et al.*(2010)Lo, Chan, Lee, & Leung] Lo, L.-Y., Chan, T.-M., Lee, K.-H., & Leung, K.-S. (2010). Challenges rising from learning motif evaluation functions using genetic programming. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 171–178.
- [Lichtefeld & Ciarallo(2010)] Lichtefeld, D. F. & Ciarallo, F. W. (2010). Deterministic helper-objective sequences applied to job-shop scheduling. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 431–438.
- [Lode *et al.*(2010)Lode, Richter, & Schmeck] Lode, C., Richter, U., & Schmeck, H. (2010). Adaption of xcs to multi-learner predator/prey scenarios. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1015–1022.
- [López-Camacho *et al.*(2010)López-Camacho, Terashima-Marín, Ross, & Valenzuela-Rendón] López-Camacho, E., Terashima-Marín, H., Ross, P., & Valenzuela-Rendón, M. (2010). Problem-state representations in a hyper-heuristic approach for the 2d irregular bpp. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 297–298.
- [Lopez-Ibanez & Stuetzle(2010)] Lopez-Ibanez, M. & Stuetzle, T. (2010). The impact of design choices of multiobjective antcolony optimization algorithms on performance: an experimental study on the biobjective tsp. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 71–78.
- [Loshchilov *et al.*(2010)Loshchilov, Schoenauer, & Sebag] Loshchilov, I., Schoenauer, M., & Sebag, M. (2010). A mono surrogate for multiobjective optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 471–478.
- [Luong *et al.*(2010)Luong, Nguyen, & Ahn] Luong, H. N., Nguyen, H. T., & Ahn, C. W. (2010). Entropy-based substructural local search for the bayesian optimization algorithm. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 335–342.
- [Luque & Alba(2010)] Luque, G. & Alba, E. (2010). Selection pressure and takeover time of distributed evolutionary algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1083–1088.
- [Ma & Simon(2010)] Ma, H. & Simon, D. (2010). Biogeography-based optimization with blended migration for constrained optimization problems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 417–418.
- [Macià *et al.*(2010)Macià, Orriols-Puig, & Bernadó-Mansilla] Macià, N., Orriols-Puig, A., & Bernadó-Mansilla, E. (2010). In search of targeted-complexity problems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1055–1062.
- [Manning(2010)] Manning, E. P. (2010). Coevolution in a large search space using resource-limited nash memory. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 999–1006.
- [Manzoni *et al.*(2010)Manzoni, Vanneschi, & Mauri] Manzoni, L., Vanneschi, L., & Mauri, G. (2010). Definition of a crossover based distance for genetic algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1473–1474.
- [Martí *et al.*(2010)Martí, García, Berlanga, & Molina] Martí, L., García, J., Berlanga, A., & Molina, J. M. (2010). Moving away from error-based learning in multi-objective estimation of distribution algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 545–546.
- [Mayfield & Penstein-Rosé(2010)] Mayfield, E. & Penstein-Rosé, C. (2010). Using feature construction to avoid large feature spaces in text classification. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1299–1306.
- [McMullin & Soule(2010)] McMullin, M. & Soule, T. (2010). Constant versus variable arity operators in genetic programming. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 987–988.
- [Meekhof & Soule(2010)] Meekhof, T. & Soule, T. (2010). Noise pressure: systematic overestimation of population fitness in genetic algorithms with noisy fitness functions. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 833–834.
- [Meiguins *et al.*(2010)Meiguins, Freitas, Lima, Junior, & Meiguins] Meiguins, A. S., Freitas, A. A., Lima, R. C., Junior, S. F., & Meiguins, B. S. (2010). An estimation of distribution algorithm for the automatic generation of clustering algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1069–1070.
- [Melkozerov & Beyer(2010)] Melkozerov, A. & Beyer, H.-G. (2010). On the analysis of self-adaptive evolution strategies on elliptic model: first results. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 369–376.
- [Merelo *et al.*(2010)Merelo, Mora, & Runarsson] Merelo, J. J., Mora, A. M., & Runarsson, T. P. (2010). Beating exhaustive search at its own game: revisiting evolutionary mastermind. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 291–292.
- [Mohammed *et al.*(2010)Mohammed, Zhang, & Browne] Mohammed, A. W., Zhang, M., & Browne, W. N. (2010). Particle swarm optimisation for outlier detection. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 83–84.
- [Momm & Easson(2010)] Momm, H. G. & Easson, G. (2010). Population restarting: a study case of feature extraction from remotely sensed imagery using textural information. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 973–974.
- [Montero *et al.*(2010)Montero, Riff, & Neveu] Montero, E., Riff, M.-C., & Neveu, B. (2010). An evaluation of off-line calibration techniques for evolutionary algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 299–300.
- [Moriguchi & Honiden(2010)] Moriguchi, H. & Honiden, S. (2010). Sustaining behavioral diversity in neat. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 611–618.
- [Mosnier *et al.*(2010)Mosnier, Gillot, Ducloux, & Ichchou] Mosnier, D., Gillot, F., Ducloux, A., & Ichchou, M. (2010). Integrated pre-design step methodology based on multi-objective evolutionary optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1317–1318.
- [Mouret *et al.*(2010)Mouret, Doncieux, & Girard] Mouret, J.-B., Doncieux, S., & Girard, B. (2010). Importing the computational neuroscience toolbox into neuro-evolution-application to basal ganglia. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 587–594.
- [Myburgh & Deb(2010)] Myburgh, C. & Deb, K. (2010). Evolutionary algorithms in large-scale open pit mine scheduling. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1155–1162.
- [Nadi *et al.*(2010)Nadi, Khader, & Al-Betar] Nadi, F., Khader, A. T., & Al-Betar, M. A. (2010). Adaptive genetic algorithm using harmony search. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 819–820.
- [Neumann *et al.*(2010)Neumann, Sudholt, & Witt] Neumann, F., Sudholt, D., & Witt, C. (2010). A few ants are enough: Aco with iteration-best update. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 63–70.
- [Nguyen *et al.*(2010)Nguyen, Luong, & Ahn] Nguyen, H. T., Luong, H. N., & Ahn, C. W. (2010). Entropy measurement-based estimation model for bayesian optimization algorithm. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 343–350.
- [Nikanjam *et al.*(2010)Nikanjam, Sharifi, Helmi, & Rahmani] Nikanjam, A., Sharifi, H., Helmi, B. H., & Rahmani, A. (2010). A new dsm clustering algorithm for linkage groups identification. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 367–368.
- [Orriols-Puig *et al.*(2010)Orriols-Puig, Llorà, & Goldberg] Orriols-Puig, A., Llorà, X., & Goldberg, D. E. (2010). How xcs deals with rarities in domains with continuous attributes. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1023–1030.
- [Ortegon-Cano *et al.*(2010)Ortegon-Cano, Hartasanchez, & Stephens] Ortegon-Cano, P., Hartasanchez, D. A., & Stephens, C. R. (2010). Why recombination should be adaptive. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 831–832.
- [Ovreiú & Simon(2010)] Ovreiú, M. & Simon, D. (2010). Biogeography-based optimization of neuro-fuzzy system parameters for diagnosis of cardiac disease. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1235–1242.
- [Padhye & Deb(2010)] Padhye, N. & Deb, K. (2010). Evolutionary multi-objective optimization and decision making for selective laser sintering. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1259–1266.
- [Pedersen & Butz(2010)] Pedersen, G. K. & Butz, M. V. (2010). Evolving robust controller parameters using covariance matrix adaptation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1251–1258.
- [Pelikan(2010)] Pelikan, M. (2010). Nk landscapes, problem difficulty, and hybrid evolutionary algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 665–672.
- [Pennachin *et al.*(2010)] Pennachin, C. L., Looks, M., & de Vasconcelos, J. A. (2010). Robust symbolic regression with affine arithmetic. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 917–924.
- [Pilat & Jacob(2010)] Pilat, M. L. & Jacob, C. (2010). Evolution of vision capabilities in embodied virtual creatures. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 95–102.
- [Preuss *et al.*(2010)] Preuss, M., Rudolph, G., & Wessing, S. (2010). Tuning optimization algorithms for real-world problems by means of surrogate modeling. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 401–408.
- [Radetic & Pelikan(2010)] Radetic, E. & Pelikan, M. (2010). Spurious dependencies and eda scalability. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 303–310.
- [Rajagopalan *et al.*(2010)] Rajagopalan, P., Rawal, A., & Miikkulainen, R. (2010). Emergence of competitive and cooperative behavior using coevolution. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1073–1074.
- [Reehuis & Bäck(2010)] Reehuis, E. & Bäck, T. (2010). Mixed-integer evolution strategy using multiobjective selection applied to warehouse design optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1187–1194.
- [Ren & Feng(2010)] Ren, Z. & Feng, Z. (2010). An ant colony optimization approach to the multiple-choice multidimensional knapsack problem. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 281–288.
- [Risi *et al.*(2010)Risi, Lehman, & Stanley] Risi, S., Lehman, J., & Stanley, K. O. (2010). Evolving the placement and density of neurons in the hyperneat substrate. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 563–570.
- [Roychoudhury *et al.*(2010)Roychoudhury, Das, Scoglio, Das, Panigrahi, & Pattnaik] Roychoudhury, S., Das, S., Scoglio, C., Das, S., Panigrahi, B. K., & Pattnaik, S. S. (2010). Mitigation strategies in epidemics: evolutionary optimization using a hierarchy of objective functions. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1325–1326.
- [Salichon & Tumer(2010)] Salichon, M. & Tumer, K. (2010). A neuro-evolutionary approach to micro aerial vehicle control. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1123–1130.
- [Salim *et al.*(2010)Salim, Javed, & Akbar] Salim, S., Javed, M., & Akbar, A. H. (2010). Honey-bee dancing-inspired architecture for fault tolerance in wireless sensor networks. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 79–80.
- [Salinas-Gutiérrez *et al.*(2010)Salinas-Gutiérrez, Hernández-Aguirre, & Villa-Diharce] Salinas-Gutiérrez, R., Hernández-Aguirre, A., & Villa-Diharce, E. R. (2010). D-vine eda: a new estimation of distribution algorithm based on regular vines. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 359–366.
- [Sanyal *et al.*(2010)Sanyal, S, & Biswas] Sanyal, S., S, R., & Biswas, S. (2010). Necessary and sufficient conditions for success of the metropolis algorithm for optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1417–1424.
- [Sato *et al.*(2010)Sato, Sato, & Namiki] Sato, M., Sato, Y., & Namiki, M. (2010). Proposal of a multi-core processor architecture for effective evolutionary computation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1321–1322.
- [Schmidt & Lipson(2010)] Schmidt, M. D. & Lipson, H. (2010). Age-fitness pareto optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 543–544.
- [Schrump & Miiikkulainen(2010)] Schrump, J. & Miiikkulainen, R. (2010). Evolving agent behavior in multiobjective domains using fitness-based shaping. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 439–446.
- [Sharma & Collet(2010)] Sharma, D. & Collet, P. (2010). An archived-based stochastic ranking evolutionary algorithm (asrea) for multi-objective optimization. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 479–486.
- [Shimada & Hirasawa(2010)] Shimada, K. & Hirasawa, K. (2010). A method of association rule analysis for incomplete database using genetic network programming. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1115–1122.
- [Shir *et al.*(2010)Shir, Roslund, & Rabitz] Shir, O. M., Roslund, J., & Rabitz, H. (2010). Forced optimal covariance adaptive learning: modified cma-es for efficient hessian determination. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 421–422.
- [Sierra & Ponsoda(2010)] Sierra, A. & Ponsoda, V. (2010). Shorter, more reliable and valid tests by means of a genetic algorithm. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1307–1308.
- [Sinnott-Armstrong *et al.*(2010)Sinnott-Armstrong, Greene, & Moore] Sinnott-Armstrong, N. A., Greene, C. S., & Moore, J. H. (2010). Fast genome-wide epistasis analysis using ant colony optimization for multifactor dimensionality reduction analysis on graphics processing units. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 215–216.
- [Snel & Whiteson(2010)] Snel, M. & Whiteson, S. (2010). Multi-task evolutionary shaping without pre-specified representations. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1031–1038.
- [Soule & Heckendorn(2010)] Soule, T. & Heckendorn, R. B. (2010). A developmental algorithm for multi-agent swarms with scalable hierarchies. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 647–648.
- [Steiner *et al.*(2010)Steiner, Jin, & Sendhoff] Steiner, T., Jin, Y., & Sendhoff, B. (2010). Evolving heterochrony for cellular differentiation using vector field embryogeny. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 571–578.
- [Steitz & Rothlauf(2010)] Steitz, W. & Rothlauf, F. (2010). Solving oost problems with problem-specific guided local search. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 301–302.
- [Stonedahl & Stonedahl(2010)] Stonedahl, F. & Stonedahl, S. H. (2010). Heuristics for sampling repetitions in noisy landscapes with fitness caching. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 273–280.
- [Stracquadanio *et al.*(2010)Stracquadanio, Drago, Romano, & Nicosia] Stracquadanio, G., Drago, C., Romano, V., & Nicosia, G. (2010). Multi-objective optimization of doping profile in semiconductor design. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1243–1250.
- [Su *et al.*(2010)Su, Gao, & Cao] Su, C., Gao, Y., & Cao, C. (2010). Learning classifier system using both labeled and unlabeled data. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1065–1066.
- [Sugawara *et al.*(2010)Sugawara, Fukuda, Hirotsu, & Kurihara] Sugawara, T., Fukuda, K., Hirotsu, T., & Kurihara, S. (2010). Adaptive probabilistic task allocation in large-scale multi-agent systems and its evaluation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1311–1312.
- [Tanji & Iba(2010)] Tanji, M. & Iba, H. (2010). Conbreo: a music performance rendering system using hybrid approach of iec and automated evolution. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1275–1282.
- [Ter-Sarkisov *et al.*(2010)Ter-Sarkisov, Marsland, & Holland] Ter-Sarkisov, A., Marsland, S. R., & Holland, B. R. (2010). The k-bit-swap: a new genetic algorithm operator. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 815–816.
- [Toledo-Suárez(2010)] Toledo-Suárez, C. D. (2010). A first assessment of the use of extended relational alphabets in accuracy classifier systems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 991–998.
- [Trefzer *et al.*(2010)] Trefzer, M. A., Kuyucu, T., Miller, J. F., & Tyrrell, A. M. (2010). Image compression of natural images using artificial gene regulatory networks. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 595–602.
- [Trujillo *et al.*(2010)] Trujillo, L., Legrand, P., & Lévy-Véhel, J. (2010). The estimation of hölderian regularity using genetic programming. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 861–868.
- [Tsai *et al.*(2010)] Tsai, C.-W., Tseng, S.-P., Chiang, M.-C., & Yang, C.-S. (2010). A framework for accelerating metaheuristics via pattern reduction. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 293–294.
- [Tulshyan *et al.*(2010)] Tulshyan, R., Arora, R., Deb, K., & Dutta, J. (2010). Investigating ea solutions for approximate kkt conditions in smooth problems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 689–696.
- [Tutum & Hattel(2010)] Tutum, C. C. & Hattel, J. H. (2010). Multi-objective optimization of process parameters in friction stir welding. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1323–1324.
- [Ulrich *et al.*(2010)] Ulrich, T., Bader, J., & Zitzler, E. (2010). Integrating decision space diversity into hypervolume-based multiobjective search. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 455–462.
- [Unachak & Goodman(2010)] Unachak, P. & Goodman, E. (2010). Solving multiobjective flexible job-shop scheduling using an adaptive representation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 737–742.
- [Urbanowicz & Moore(2010)] Urbanowicz, R. J. & Moore, J. H. (2010). The application of michigan-style learning classifiersystems to address genetic heterogeneity and epistasis in association studies. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 195–202.
- [Uy *et al.*(2010)Uy, Hoai, O'Neill, & McKay] Uy, N. Q., Hoai, N. X., O'Neill, M., & McKay, B. (2010). Semantics based crossover for boolean problems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 869–876.
- [Vafaei *et al.*(2010)Vafaei, Turán, & Nelson] Vafaei, F., Turán, G., & Nelson, P. C. (2010). Optimizing genetic operator rates using a markov chain model of genetic algorithms. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 721–728.
- [Valsecchi *et al.*(2010)Valsecchi, Vanneschi, & Mauri] Valsecchi, A., Vanneschi, L., & Mauri, G. (2010). Optimization speed and fair sets of functions. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1475–1476.
- [Vanneschi *et al.*(2010)Vanneschi, Codecasa, & Mauri] Vanneschi, L., Codecasa, D., & Mauri, G. (2010). An empirical comparison of parallel and distributed particle swarm optimization methods. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 15–22.
- [Veeramachaneni *et al.*(2010)Veeramachaneni, Vladislavleva, Burland, Parcon, & O'Reilly] Veeramachaneni, K., Vladislavleva, K., Burland, M., Parcon, J., & O'Reilly, U.-M. (2010). Evolutionary optimization of flavors. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1291–1298.
- [Verbancsics & Stanley(2010)] Verbancsics, P. & Stanley, K. O. (2010). Transfer learning through indirect encoding. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 547–554.
- [Vladislavleva *et al.*(2010)Vladislavleva, Veeramachaneni, Burland, Parcon, & O'Reilly] Vladislavleva, K., Veeramachaneni, K., Burland, M., Parcon, J., & O'Reilly, U.-M. (2010).

- Knowledge mining with genetic programming methods for variable selection in flavor design. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 941–948.
- [Voß *et al.*(2010)Voß, Hansen, & Igel] Voß, T., Hansen, N., & Igel, C. (2010). Improved step size adaptation for the mo-cma-es. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 487–494.
- [Vrajitoru(2010)] Vrajitoru, D. (2010). Shared memory genetic algorithms in a multi-agent context. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1097–1104.
- [Walton *et al.*(2010)Walton, Grewal, & Darlington] Walton, M., Grewal, G., & Darlington, G. (2010). Parallel fpga-based implementation of scatter search. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1075–1082.
- [Wang & Tan(2010)] Wang, J. & Tan, Y. (2010). A novel genetic programming based morphological image analysis algorithm. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 979–980.
- [Wen *et al.*(2010)Wen, Xu, & Yang] Wen, Y., Xu, H., & Yang, J. (2010). A heuristic-based hybrid genetic algorithm for heterogeneous multiprocessor scheduling. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 729–736.
- [Whitley *et al.*(2010)Whitley, Chicano, Alba, & Luna] Whitley, L. D., Chicano, F., Alba, E., & Luna, F. (2010). Elementary landscapes of frequency assignment problems. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1409–1416.
- [Wilkerson & Tauritz(2010)] Wilkerson, J. L. & Tauritz, D. (2010). Coevolutionary automated software correction. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1391–1392.
- [Wilson & Banzhaf(2010)] Wilson, G. & Banzhaf, W. (2010). Interday foreign exchange trading using linear genetic programming. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1139–1146.
- [Windisch(2010)] Windisch, A. (2010). Search-based test data generation from stateflow statecharts. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1349–1356.
- [Wong *et al.*(2010)Wong, Leung, & Wong] Wong, K.-C., Leung, K.-S., & Wong, M.-H. (2010). Protein structure prediction on a lattice model via multimodal optimization techniques. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 155–162.
- [Wu & Banzhaf(2010)] Wu, S. X. & Banzhaf, W. (2010). A hierarchical cooperative evolutionary algorithm. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 233–240.
- [Xu *et al.*(2010)Xu, Cohen, & Rothermel] Xu, Z., Cohen, M. B., & Rothermel, G. (2010). Factors affecting the use of genetic algorithms in test suite augmentation. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1365–1372.
- [Yang *et al.*(2010)Yang, Xu, Cai, & Jia] Yang, J., Xu, H., Cai, Y., & Jia, P. (2010). Effective structure learning for eda via l1-regularized bayesian networks. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 327–334.
- [Yehoshua *et al.*(2010)Yehoshua, Avigal, & Unger] Yehoshua, R., Avigal, M., & Unger, R. (2010). Analysis of the effects of lifetime learning on population fitness using vose model. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 681–688.
- [You *et al.*(2010)You, Yu, & Lien] You, Y.-S., Yu, T.-L., & Lien, T.-C. (2010). Psychological preference-based optimization framework on the nurse scheduling problem. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1319–1320.
- [Zafra & Ventura(2010)] Zafra, A. & Ventura, S. (2010). Grammar guided genetic programming for multiple instance learning: an experimental study. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 909–916.

- [Zapotecas Martínez & Coello Coello(2010)] Zapotecas Martínez, S. & Coello Coello, C. A. (2010). A multi-objective meta-model assisted memetic algorithm with non gradient-based local search. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 537–538.
- [Zhan & Zhang(2010)] Zhan, Z.-H. & Zhang, J. (2010). Self-adaptive differential evolution based on pso learning strategy. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 39–46.
- [Zhang *et al.*(2010)Zhang, Alba, Durillo, Eldh, & Harman] Zhang, Y., Alba, E., Durillo, J. J., Eldh, S., & Harman, M. (2010). Today/future importance analysis. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1357–1364.
- [Zhou & Tan(2010)] Zhou, Y. & Tan, Y. (2010). Particle swarm optimization with triggered mutation and its implementation based on gpu. In 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, & C. Witt (Eds.), *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*. Portland, Oregon, USA: ACM, 1–8.