

## Список литературы

- [Abba 10] H. M. Abbas. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 825–826, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Addi 10] M. A. Addicoat and Z. E. Brain. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 823–824, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Afri 10] M. J. Afridi, S. Manzoor, U. Rasheed, M. Ahmed, and K. Faraz. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1331–1332, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Ahal 10] D. P. Ahalpara. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 977–978, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Akim 10] Y. Akimoto, Y. Nagata, I. Ono, and S. Kobayashi. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1401–1408, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Al B 10] M. A. Al-Betar, A. T. Khader, and F. Nadi. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1203–1210, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Alon 10] F. Alonso, L. Martínez, A. Santamaría, A. Pérez, and J. P. Valente. “GGGP-based method for modeling time series: operator selection, parameter optimization and expert evaluation”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O’Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 989–990, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Arno 10] D. V. Arnold and N. Hansen. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 385–392, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Atil 10] E. Atilgan and J. Hu. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 211–212, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Auer 10] J. E. Auerbach and J. C. Bongard. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 627–634, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Augu 10] D. A. Augusto, H. J. C. Barbosa, and N. F. F. Ebecken. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 933–940, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Aver 10] P. Avery and S. Louis. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 783–790, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Azad 10] R. M. A. Azad and C. Ryan. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 893–900, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Barr 10a] D. F. Barrero, D. Camacho, and M. D. R-Moreno. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 975–976, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Barr 10b] A. M. Barreto, H. S. Bernardino, and H. J. Barbosa. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 751–758, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Behd 10] M. Behdad, T. French, L. Barone, and M. Bennamoun. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1067–1068, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Benj 10] J. Benjamin and B. A. Julstrom. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 657–664, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Berg 10] R. Berghammer, T. Friedrich, and F. Neumann. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 495–502, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Bhow 10] U. Bhowan, M. Zhang, and M. Johnston. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 845–852, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Biba 10] J. Bibai, P. Saveant, M. Schoenauer, and V. Vidal. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 241–248, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Bong 10] J. C. Bongard and G. S. Hornby. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 111–118, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Borg 10] C. E. Borges, C. L. Alonso, and J. L. Montana. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 985–986, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Bosm 10] P. A. Bosman. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 351–358, ACM, Portland, Oregon, USA, 7-11 July 2010.

- [Brin 10] K. Bringmann and T. Friedrich. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 511–518, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Brow 10] J. B. Brown and M. Huber. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 85–86, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Bury 10] P. Buryan and J. Kubalik. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1071–1072, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Carl 10] B. P. Carlson and D. F. Hougen. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 791–798, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Ceri 10] M. Ceriani, F. Ferrandi, P. L. Lanzi, D. Sciuto, and A. Tumeo. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1267–1274, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Chen 10] Z. Chen, Z. He, and C. Zhang. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 9–14, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Chic 10] F. Chicano, G. Luque, and E. Alba. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1425–1432, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Choi 10] Y.-S. Choi, B.-K. Koo, and B.-R. Moon. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1309–1310, ACM, Portland, Oregon, USA, 7-11 July 2010.

- [Chua 10] C.-Y. Chuang and W.-L. Hsu. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 311–318, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Chwa 10] A. M. Chwatal, G. R. Raidl, and M. Zöch. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 377–384, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Chun 10] J. Clune, B. E. Beckmann, P. K. McKinley, and C. Ofria. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 635–642, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Coll 10] R. Collier and M. Wineberg. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 649–656, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Colm 10] J. M. Colmenar, J. L. Risco-Martín, D. Atienza, O. Garnica, J. I. Hidalgo, and J. Lanchares. “Improving reliability of embedded systems through dynamic memory manager optimization using grammatical evolution”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O’Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1227–1234, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Conn 10] B. D. Connelly, B. E. Beckmann, and P. K. McKinley. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 143–150, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Conr 10] A. P. Conrad, R. S. Roos, and G. M. Kapfhammer. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1373–1380, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Cook 10] J. E. Cook and D. R. Tauritz. “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, and C. Witt, Eds.,

*GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 807–814, ACM, Portland, Oregon, USA, 7-11 July 2010.

- [Crof 10] J. Crofford, B. E. Eskridge, and D. F. Hougen. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 799–806, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Curr 10] D. Curran, E. Freuder, and T. Jansen. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 981–982, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [de A 10] R. de A. Araújo, A. L. de Oliveira, and S. C. Soares. “A covariance matrix adaptation based evolutionary methodology for phase adjustment in financial time series forecasting”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O’Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1315–1316, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [de M 10a] P. S. de Mattos Neto, A. R. Lima Junior, and T. A. Ferreira. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1477–1478, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [de M 10b] B. M. de Mendonca Neta, G. H. D. Araujo, F. G. Guimaraes, and R. C. Mesquita. “A hybrid genetic algorithm for automatic graph drawing based on the topology-shape-metric approach”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O’Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 743–750, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [De P 10] R. De Prisco, G. Zaccagnino, and R. Zaccagnino. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 817–818, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Deb 10] K. Deb and N. Padhye. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 55–62, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Di C 10] S. Di Carlo, E. Sanchez, A. Scionti, G. Squillero, A. P. Tonda, and M. Falasconi. “Towards drift correction in chemical sensors using an evolutionary strategy”. In: J. Branke,

- M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1329–1330, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Doer 10] B. Doerr and D. Johannsen. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 759–766, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Doug 10] E. Doğan, F. Erdal, and M. P. Saka. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 289–290, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Down 10a] C. Downey, M. Zhang, and W. N. Browne. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 885–892, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Down 10b] K. L. Downing. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 555–562, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Duca 10] F. Ducatelle, G. A. Di Caro, and L. M. Gambardella. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 87–94, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Dumi 10] D. Dumitrescu, R. I. Lung, R. Nagy, D. Zaharie, and A. Bartha. “Exploring evolutionary detected fuzzy equilibria: a link between normative theory and real life”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 539–540, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Espa 10] A. I. Esparcia-Alcazár, A. Martínez-García, A. M. Mora, J. J. Merelo, and P. García-Sánchez. “Genetic evolution of fuzzy finite state machines to control bots in a first-person shooter game”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 829–830, ACM, Portland, Oregon, USA, 7-11 July 2010.

- [Evin 10] R. Evins, P. Pointer, and R. Vaidyanathan. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1327–1328, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Fari 10] A. Farinaccio, L. Vanneschi, M. Giacobini, G. Mauri, and P. Provero. “On the use of genetic programming for the prediction of survival in cancer”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O’Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 163–170, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Fast 10] E. Fast, C. Le Gouse, S. Forrest, and W. Weimer. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 965–972, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Fern 10] C. Fernando. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 153–154, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Fial 10] Álvaro Fialho, M. Schoenauer, and M. Sebag. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 767–774, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Foli 10] F. Folino and C. Pizzuti. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 535–536, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Fost 10] B. Foster and A. Somayaji. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 957–964, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Fran 10] M. A. Franco, N. Krasnogor, and J. Bacardit. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1039–1046, ACM, Portland, Oregon, USA, 7-11 July 2010.



- [Gajd 10] Z. Gajda and L. Sekanina. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 983–984, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Gala 10] S. F. Galan and O. J. Mengshoel. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 775–782, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Galv 10] E. Galván-López, J. McDermott, M. O’Neill, and A. Brabazon. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 901–908, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Garc 10] C. García-Martínez, C. Lima, J. Twycross, N. Krasnogor, and M. Lozano. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 187–194, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Garr 10] A. Garrett, Z. Chen, and D. E. Smith. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1163–1170, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Glas 10] T. Glasmachers, T. Schaul, S. Yi, D. Wierstra, and J. Schmidhuber. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 393–400, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Gold 10] H. J. Goldsby, D. B. Knoester, and C. Ofria. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 135–142, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Gong 10] W. Gong, Álvaro Fialho, and Z. Cai. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 409–416, ACM, Portland, Oregon, USA, 7-11 July 2010.

- [Gonz 10] E. Gonzales, S. Mabu, K. Taboada, K. Hirasawa, and K. Shimada. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 419–420, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Hall 10] M. Hall, P. McMinn, and N. Walkinshaw. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1381–1388, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Hard 10] S. Harding, J. F. Miller, and W. Banzhaf. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 579–586, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Haus 10] M. W. Hauschild and M. Pelikan. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 713–720, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Herr 10] J. A. Herrera-Ortiz, C. Oliver-Morales, and K. Rodríguez-Vázquez. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 835–836, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Hild 10] T. Hildebrandt, J. Heger, and B. Scholz-Reiter. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 257–264, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Hill 10] J. D. Hiller and H. Lipson. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 151–152, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Holz 10] E. R. Holzinger, C. C. Buchanan, S. M. Dudek, E. C. Torstenson, S. D. Turner, and M. D. Ritchie. “Initialization parameter sweep in ATHENA: optimizing neural networks for detecting gene-gene interactions in the presence of small main effects”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O’Neill,

- K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 203–210, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Horo 10] C. Horoba and D. Sudholt. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1465–1472, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Hutz 10] A. K. Hutzschenreuter, P. A. Bosman, and H. La Poutré. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 541–542, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [II 10] J. F. S. II and K. Tumer. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1131–1138, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Inde 10] B. Inden, Y. Jin, R. Haschke, and H. Ritter. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 645–646, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Iord 10] S. Iordache. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 225–232, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Ishi 10] H. Ishibuchi, Y. Sakane, N. Tsukamoto, and Y. Nojima. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 519–526, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Jans 10] T. Jansen and C. Zarges. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 705–712, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Jaro 10] J. Jaros and V. Dvorak. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1171–1178, ACM, Portland, Oregon, USA, 7-11 July 2010.

- [Jens 10] A. C. Jensen and B. H. Cheng. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1341–1348, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Jian 10] H. Jiang and Y. Chen. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 217–224, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Joha 10a] D. Johannsen, P. P. Kurur, and J. Lengler. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1433–1440, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Joha 10b] U. Johansson, R. König, and L. Niklasson. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1007–1014, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Kama 10] U. Kamath, K. A. De Jong, and A. Shehu. “Selecting predictive features for recognition of hypersensitive sites of regulatory genomic sequences with an evolutionary algorithm”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O’Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 179–186, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Kim 10] K. Kim, R. B. McKay, and B.-R. Moon. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1179–1186, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Kimb 10] S. O. Kimbrough, A. Kuo, and H. C. Lau. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 295–296, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Knoe 10] D. B. Knoester, H. J. Goldsby, and P. K. McKinley. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 603–610, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Knud 10] M. Knudson and K. Tumer. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 127–134, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Koos 10] S. Koos, J.-B. Mouret, and S. Doncieux. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 119–126, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Kotz 10] T. Kötzing, P. K. Lehre, F. Neumann, and P. S. Oliveto. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1393–1400, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Kout 10] J. Koutnik, F. Gomez, and J. Schmidhuber. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 619–626, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Kram 10] O. Kramer and H. Danielsiek. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 503–510, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Krem 10] T. Kremmel, J. Kubalik, and S. Biffl. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1389–1390, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Kuba 10] J. Kubalik, P. Buryan, and L. Wagner. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 213–214, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Kure 10] V. M. Kureichik, B. K. Lebedev, and O. B. Lebedev. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 821–822, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Lass 10] J. Lässig and D. Sudholt. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1105–1112, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Lee 10] S.-K. Lee and B.-R. Moon. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1219–1226, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Lehm 10] J. Lehman and K. O. Stanley. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 103–110, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Lehr 10] P. K. Lehre and C. Witt. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1441–1448, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Lemm 10] N. Lemmens and K. Tuyls. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 47–54, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Leun 10] K. M. Leung and X. Zhang. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 265–272, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Li 10] M. Li, J. Zheng, R. Shen, K. Li, and Q. Yuan. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 463–470, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Lich 10] P. Lichodziejewski and M. I. Heywood. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 853–860, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Lien 10] T.-C. Lien, T.-L. Yu, and Y.-S. You. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 697–704, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Lin 10] Y. Lin, X. min Hu, and J. Zhang. “An ant-colony-system-based activity scheduling method for the lifetime maximization of heterogeneous wireless sensor networks”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 23–30, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Lisk 10] M. Liśkiewicz and J. Textor. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1047–1054, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Liu 10] R. Liu, W. Zhang, L. Jiao, F. Liu, and J. Ma. “A sphere-dominance based preference immune-inspired algorithm for dynamic multi-objective optimization”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 423–430, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Lo 10] L.-Y. Lo, T.-M. Chan, K.-H. Lee, and K.-S. Leung. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 171–178, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Loch 10] D. F. Lochtefeld and F. W. Ciarallo. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 431–438, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Lode 10] C. Lode, U. Richter, and H. Schmeck. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1015–1022, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Lope 10a] E. López-Camacho, H. Terashima-Marín, P. Ross, and M. Valenzuela-Rendón. “Problem-state representations in a hyper-heuristic approach for the 2D irregular BPP”. In:

- J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 297–298, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Lope 10b] M. Lopez-Ibanez and T. Stuetzle. “The impact of design choices of multiobjective antcolony optimization algorithms on performance: an experimental study on the biobjective TSP”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 71–78, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Losh 10] I. Loshchilov, M. Schoenauer, and M. Sebag. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 471–478, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Luon 10] H. N. Luong, H. T. Nguyen, and C. W. Ahn. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 335–342, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Luqu 10] G. Luque and E. Alba. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1083–1088, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Ma 10] H. Ma and D. Simon. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 417–418, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Maci 10] N. Macià, A. Orriols-Puig, and E. Bernadó-Mansilla. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1055–1062, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Mann 10] E. P. Manning. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 999–1006, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Manz 10] L. Manzoni, L. Vanneschi, and G. Mauri. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1473–1474, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Mart 10] L. Martí, J. García, A. Berlanga, and J. M. Molina. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 545–546, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Mayf 10] E. Mayfield and C. Penstein-Rosé. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1299–1306, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [McMu 10] M. McMullin and T. Soule. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 987–988, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Meek 10] T. Meekhof and T. Soule. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 833–834, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Meig 10] A. S. Meiguins, A. A. Freitas, R. C. Lima, S. F. Junior, and B. S. Meiguins. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1069–1070, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Melk 10] A. Melkozerov and H.-G. Beyer. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 369–376, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Mere 10] J. J. Merelo, A. M. Mora, and T. P. Runarsson. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 291–292, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Mohe 10] A. W. Mohemmed, M. Zhang, and W. N. Browne. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 83–84, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Momm 10] H. G. Momm and G. Easson. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 973–974, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Mont 10] E. Montero, M.-C. Riff, and B. Neveu. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 299–300, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Mori 10] H. Moriguchi and S. Honiden. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 611–618, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Mosn 10] D. Mosnier, F. Gillot, A. Ducloux, and M. Ichchou. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1317–1318, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Mour 10] J.-B. Mouret, S. Doncieux, and B. Girard. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 587–594, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Mybu 10] C. Myburgh and K. Deb. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1155–1162, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Nadi 10] F. Nadi, A. T. Khader, and M. A. Al-Betar. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 819–820, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Neum 10] F. Neumann, D. Sudholt, and C. Witt. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 63–70, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Nguy 10] H. T. Nguyen, H. N. Luong, and C. W. Ahn. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 343–350, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Nika 10] A. Nikanjam, H. Sharifi, B. H. Helmi, and A. Rahmani. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 367–368, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Orri 10] A. Orriols-Puig, X. Llorà, and D. E. Goldberg. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1023–1030, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Orte 10] P. Ortegon-Cano, D. A. Hartasanchez, and C. R. Stephens. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 831–832, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Ovre 10] M. Ovreiu and D. Simon. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1235–1242, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Padh 10] N. Padhye and K. Deb. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1259–1266, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Pede 10] G. K. Pedersen and M. V. Butz. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1251–1258, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Peli 10] M. Pelikan. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 665–672, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Penn 10] C. L. Pennachin, M. Looks, and J. A. de Vasconcelos. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 917–924, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Pila 10] M. L. Pilat and C. Jacob. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 95–102, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Preu 10] M. Preuss, G. Rudolph, and S. Wessing. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 401–408, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Rade 10] E. Radetic and M. Pelikan. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 303–310, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Raja 10] P. Rajagopalan, A. Rawal, and R. Miikkulainen. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1073–1074, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Reeh 10] E. Reehuis and T. Bäck. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1187–1194, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Ren 10] Z. Ren and Z. Feng. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 281–288, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Risi 10] S. Risi, J. Lehman, and K. O. Stanley. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 563–570, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Royc 10] S. Roychoudhury, S. Das, C. Scoglio, S. Das, B. K. Panigrahi, and S. S. Pattnaik. “Mitigation strategies in epidemics: evolutionary optimization using a hierarchy of objective functions”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1325–1326, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Sali 10a] M. Salichon and K. Tumer. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1123–1130, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Sali 10b] S. Salim, M. Javed, and A. H. Akbar. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 79–80, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Sali 10c] R. Salinas-Gutiérrez, A. Hernández-Aguirre, and E. R. Villa-Diharce. “D-vine EDA: a new estimation of distribution algorithm based on regular vines”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O'Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 359–366, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Sany 10] S. Sanyal, R. S., and S. Biswas. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1417–1424, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Sato 10] M. Sato, Y. Sato, and M. Namiki. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1321–1322, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Schm 10] M. D. Schmidt and H. Lipson. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 543–544, ACM, Portland, Oregon, USA, 7-11 July 2010.

- [Schr 10] J. Schrum and R. Miikkulainen. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 439–446, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Shar 10] D. Sharma and P. Collet. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 479–486, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Shim 10] K. Shimada and K. Hirasawa. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1115–1122, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Shir 10] O. M. Shir, J. Roslund, and H. Rabitz. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 421–422, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Sier 10] A. Sierra and V. Ponsoda. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1307–1308, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Sinn 10] N. A. Sinnott-Armstrong, C. S. Greene, and J. H. Moore. “Fast genome-wide epistasis analysis using ant colony optimization for multifactor dimensionality reduction analysis on graphics processing units”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O’Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 215–216, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Snel 10] M. Snel and S. Whiteson. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1031–1038, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Soul 10] T. Soule and R. B. Heckendorn. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 647–648, ACM, Portland, Oregon, USA, 7-11 July 2010.

- [Ste1 10a] T. Steiner, Y. Jin, and B. Sendhoff. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 571–578, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Ste1 10b] W. Steitz and F. Rothlauf. “Solving OCST 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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 301–302, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Ston 10] F. Stonedahl and S. H. Stonedahl. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 273–280, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Stra 10] G. Stracquadanio, C. Drago, V. Romano, and G. Nicosia. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1243–1250, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Su 10] C. Su, Y. Gao, and C. Cao. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1065–1066, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Suga 10] T. Sugawara, K. Fukuda, T. Hirotzu, and S. Kurihara. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1311–1312, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Tanj 10] M. Tanji and H. Iba. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1275–1282, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Ter 10] A. Ter-Sarkisov, S. R. Marsland, and B. R. Holland. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 815–816, ACM, Portland, Oregon, USA, 7-11 July 2010.

- [Tole 10] C. D. Toledo-Suárez. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 991–998, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Tref 10] M. A. Trefzer, T. Kuyucu, J. F. Miller, and A. M. Tyrrell. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 595–602, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Truj 10] L. Trujillo, P. Legrand, and J. Lévy-Véhel. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 861–868, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Tsai 10] C.-W. Tsai, S.-P. Tseng, M.-C. Chiang, and C.-S. Yang. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 293–294, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Tuls 10] R. Tulshyan, R. Arora, K. Deb, and J. Dutta. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 689–696, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Tutu 10] C. C. Tutum and J. H. Hattel. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1323–1324, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Ulri 10] T. Ulrich, J. Bader, and E. Zitzler. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 455–462, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Unac 10] P. Unachak and E. Goodman. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 737–742, ACM, Portland, Oregon, USA, 7-11 July 2010.



- [Urba 10] R. J. Urbanowicz and J. H. Moore. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 195–202, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Uy 10] N. Q. Uy, N. X. Hoai, M. O’Neill, and B. McKay. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 869–876, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Vafa 10] F. Vafaei, G. Turán, and P. C. Nelson. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 721–728, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Vals 10] A. Valsecchi, L. Vanneschi, and G. Mauri. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1475–1476, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Vann 10] L. Vanneschi, D. Codecasa, and G. Mauri. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 15–22, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Veer 10] K. Veeramachaneni, K. Vladislavleva, M. Burland, J. Parcon, and U.-M. O’Reilly. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1291–1298, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Verb 10] P. Verbancsics and K. O. Stanley. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 547–554, ACM, Portland, Oregon, USA, 7–11 July 2010.
- [Vlad 10] K. Vladislavleva, K. Veeramachaneni, M. Burland, J. Parcon, and U.-M. O’Reilly. “Knowledge mining with genetic programming methods for variable selection in flavor design”. In: J. Branke, M. Pelikan, E. Alba, D. V. Arnold, J. Bongard, A. Brabazon, J. Branke, M. V. Butz, J. Clune, M. Cohen, K. Deb, A. P. Engelbrecht, N. Krasnogor, J. F. Miller, M. O’Neill, K. Sastry, D. Thierens, J. van Hemert, L. Vanneschi, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 941–948, ACM, Portland, Oregon, USA, 7–11 July 2010.

- [Voss 10] T. Voß, N. Hansen, and C. Igel. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 487–494, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Vraj 10] D. Vrajitoru. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1097–1104, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Walt 10] M. Walton, G. Grewal, and G. Darlington. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1075–1082, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Wang 10] J. Wang and Y. Tan. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 979–980, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Wen 10] Y. Wen, H. Xu, and J. Yang. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 729–736, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Whit 10] L. D. Whitley, F. Chicano, E. Alba, and F. Luna. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1409–1416, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Wilk 10] J. L. Wilkerson and D. Tauritz. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1391–1392, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Wils 10] G. Wilson and W. Banzhaf. “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, and C. Witt, Eds., *GECCO ’10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1139–1146, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Wind 10] A. Windisch. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1349–1356, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Wong 10] K.-C. Wong, K.-S. Leung, and M.-H. Wong. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 155–162, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Wu 10] S. X. Wu and W. Banzhaf. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 233–240, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Xu 10] Z. Xu, M. B. Cohen, and G. Rothmel. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1365–1372, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Yang 10] J. Yang, H. Xu, Y. Cai, and P. Jia. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 327–334, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Yeho 10] R. Yehoshua, M. Avigal, and R. Unger. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 681–688, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [You 10] Y.-S. You, T.-L. Yu, and T.-C. Lien. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1319–1320, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Yu 10] W. jie Yu and J. Zhang. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 31–38, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Zafr 10] A. Zafra and S. Ventura. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 909–916, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Zapo 10] S. Zapotecas Martínez and C. A. Coello Coello. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 537–538, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Zhan 10a] Z.-H. Zhan and J. Zhang. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 39–46, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Zhan 10b] Y. Zhang, E. Alba, J. J. Durillo, S. Eldh, and M. Harman. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1357–1364, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Zhon 10] J. hui Zhong and J. Zhang. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 319–326, ACM, Portland, Oregon, USA, 7-11 July 2010.
- [Zhou 10] Y. Zhou and Y. Tan. “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, and C. Witt, Eds., *GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation*, pp. 1–8, ACM, Portland, Oregon, USA, 7-11 July 2010.