

## Список литературы

- [1] M. H. Bin Azhar, F. Deravi and K. Dimond, *Criticality dispersion in swarms to optimize n-tuples*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1–8, ACM, 12-16 July, 2008.
- [2] F. O. de Franca, G. P. Coelho, F. J. Von Zuben and R. R. de Faissol Attux, *Multivariate ant colony optimization in continuous search spaces*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 9–16, ACM, 12-16 July, 2008.
- [3] L. de Marcos, J.-J. Martínez and J.-A. Gutierrez, *Swarm intelligence in e-learning: a learning object sequencing agent based on competencies*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 17–24, ACM, 12-16 July, 2008.
- [4] E. J. Dries and G. L. Peterson, *Scaling ant colony optimization with hierarchical reinforcement learning partitioning*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 25–32, ACM, 12-16 July, 2008.
- [5] S. Häckel, M. Fischer, D. Zechel and T. Teich, *A multi-objective ant colony approach for pareto-optimization using dynamic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 33–40, ACM, 12-16 July, 2008.
- [6] D. Howden and T. Hendtlass, *Collective intelligence and bush fire spotting*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 41–48, ACM, 12-16 July, 2008.
- [7] J. Jordan, S. Helwig and R. Wanka, *Social interaction in particle swarm optimization, the ranked fips, and adaptive multi-swarms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 49–56, ACM, 12-16 July, 2008.
- [8] A. D. Klamargias, K. E. Parsopoulos, P. D. Alevizos and M. N. Vrahatis, *Particle filtering with particle swarm optimization in systems with multiplicative noise*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard,

- J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 57–62, ACM, 12-16 July, 2008.
- [9] N. Mazhar and M. Farooq, *A sense of danger: dendritic cells inspired artificial immune system for manet security*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 63–70, ACM, 12-16 July, 2008.
  - [10] M. A. Montes de Oca and T. Stützle, *Convergence behavior of the fully informed particle swarm optimization algorithm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 71–78, ACM, 12-16 July, 2008.
  - [11] M. Ostaszewski, P. Bouvry and F. Seredynski, *Denial of service detection and analysis using idiotypic networks paradigm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 79–86, ACM, 12-16 July, 2008.
  - [12] M. Pant, R. Thangaraj and A. Abraham, *A new quantum behaved particle swarm optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 87–94, ACM, 12-16 July, 2008.
  - [13] n. Jorge Pe *Theoretical and empirical study of particle swarms with additive stochasticity and different recombination operators*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 95–102, ACM, 12-16 July, 2008.
  - [14] M. Saleem, S. A. Khayam and M. Farooq, *A formal performance modeling framework for bio-inspired ad hoc routing protocols*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 103–110, ACM, 12-16 July, 2008.
  - [15] A. Salehi-Abari and T. White, *Enhanced generalized ant programming (egap)*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 111–118, ACM, 12-16 July, 2008.
  - [16] M. Z. Shafiq, S. A. Khayam and M. Farooq, *Improving accuracy of immune-inspired malware detectors by using intelligent features*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon,

- K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 119–126, ACM, 12-16 July, 2008.
- [17] T. Stibor, *Discriminating self from non-self with finite mixtures of multivariate bernoulli distributions*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 127–134, ACM, 12-16 July, 2008.
- [18] D. Sudholt and C. Witt, *Runtime analysis of binary pso*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 135–142, ACM, 12-16 July, 2008.
- [19] S. von Mammen and C. Jacob, *Evolutionary swarm design of architectural idea models*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 143–150, ACM, 12-16 July, 2008.
- [20] H. Yu, *Optimizing task schedules using an artificial immune system approach*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 151–158, ACM, 12-16 July, 2008.
- [21] A. Ahmadi, F. Kararay and M. Kamel, *Particle swarm clustering ensemble*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 159–160, ACM, 12-16 July, 2008.
- [22] A. Awais, M. Farooq and M. Y. Javed, *Attack analysis & bio-inspired security framework for ip multimedia subsystem*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 161–162, ACM, 12-16 July, 2008.
- [23] C. Chira, D. Dumitrescu and C. M. Pintea, *Heterogeneous sensitive ant model for combinatorial optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 163–164, ACM, 12-16 July, 2008.
- [24] J. Zhang, K. Liu, Y. Tan and X. He, *Allocation of local and global search capabilities of particle in canonical pso*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 165–166, ACM, 12-16 July, 2008.

- [25] J. Zhang, K. Liu, Y. Tan and X. He, *Magnifier particle swarm optimization for numerical optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 167–168, ACM, 12-16 July, 2008.
- [26] E. B. B. de Melo and A. F. R. Araújo, *Modeling ant colony foraging in dynamic and confined environment*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 169–176, ACM, 12-16 July, 2008.
- [27] G. J. Barlow, C. K. Oh and S. F. Smith, *Evolving cooperative control on sparsely distributed tasks for uav teams without global communication*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 177–184, ACM, 12-16 July, 2008.
- [28] B. E. Beckmann, P. K. McKinley and C. Ofria, *Selection for group-level efficiency leads to self-regulation of population size*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 185–192, ACM, 12-16 July, 2008.
- [29] S. Bornhofen and C. Lattaud, *On hopeful monsters, neutral networks and junk code in evolving l-systems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 193–200, ACM, 12-16 July, 2008.
- [30] A. Campbell, A. S. Wu and R. Shumaker, *Multi-agent task allocation: learning when to say no*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 201–208, ACM, 12-16 July, 2008.
- [31] L. M. Grabowski, W. R. Elsberry, C. Ofria and R. T. Pennock, *On the evolution of motility and intelligent tactic response*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 209–216, ACM, 12-16 July, 2008.
- [32] D. B. Knoester, P. K. McKinley and C. Ofria, *Cooperative network construction using digital germlines*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 217–224, ACM, 12-16 July, 2008.
- [33] D. W. F. van Krevelen and G. S. Nitschke, *Neuro-evolution for a gathering and collective construction task*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and*

- evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 225–232, ACM, 12-16 July, 2008.
- [34] G. Nitschke and M. Schut, *Designing multi-rover emergent specialization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 233–240, ACM, 12-16 July, 2008.
- [35] J. L. Payne and M. J. Eppstein, *The influence of scaling and assortativity on takeover times in scale-free topologies*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 241–248, ACM, 12-16 July, 2008.
- [36] J. Smaldon, J. Blakes, N. Krasnogor and D. Lancet, *A multi-scaled approach to artificial life simulation with  $p$  systems and dissipative particle dynamics*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 249–256, ACM, 12-16 July, 2008.
- [37] I. Tanev and K. Shimohara, *Co-evolution of active sensing and locomotion gaits of simulated snake-like robot*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 257–264, ACM, 12-16 July, 2008.
- [38] V. K. Valsalam and R. Miikkulainen, *Modular neuroevolution for multilegged locomotion*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 265–272, ACM, 12-16 July, 2008.
- [39] S. S. Vulli and S. Agarwal, *Individual-based artificial ecosystems for design and optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 273–280, ACM, 12-16 July, 2008.
- [40] S. Cussat-Blanc, F. Viale, H. Luga, Y. Duthen and D. Caromel, *Genetic algorithms and grid computing for artificial embryogeny*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 281–282, ACM, 12-16 July, 2008.
- [41] S. Gotshall and T. Soule, *Evolving stable behavior in a spino-neuromuscular system model*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H.

- Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 283–284, ACM, 12-16 July, 2008.
- [42] J.-Y. Jung and J. A. Reggia, *Nested evolution of an autonomous agent using descriptive encoding*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 285–286, ACM, 12-16 July, 2008.
- [43] P. Krah, *Towards efficient evolution of morphology and control*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 287–288, ACM, 12-16 July, 2008.
- [44] B. McGinley, P. Rocke, F. Morgan and J. Maher, *Reconfigurable analogue hardware evolution of adaptive spiking neural network controllers*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 289–290, ACM, 12-16 July, 2008.
- [45] A. T. Rahmani and B. H. Helmi, *Ein-wum: an ais-based algorithm for web usage mining*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 291–292, ACM, 12-16 July, 2008.
- [46] K. Seo and S. Hyun, *Genetic programming based automatic gait generation for quadruped robots*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 293–294, ACM, 12-16 July, 2008.
- [47] S. Trendelenburg, J. Becker, F. Henrici and Y. Manoli, *A gp algorithm for efficient synthesis of gm-c filters on a hexagonal fpaa structure*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 295–296, ACM, 12-16 July, 2008.
- [48] L. Trujillo, G. Olague, E. Lutton and F. F. de Vega, *Behavior-based speciation for evolutionary robotics*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 297–298, ACM, 12-16 July, 2008.
- [49] T. F. Clayton, L. N. Patel, G. Leng, A. F. Murray and I. A. Lindsay, *Rapid evaluation and evolution of neural models using graphics card hardware*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard,

- J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 299–306, ACM, 12-16 July, 2008.
- [50] A. Esmaeili and C. Jacob, *Evolution of discrete gene regulatory models*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 307–314, ACM, 12-16 July, 2008.
- [51] A. Goeffon, M. Nikolski and D. J. Sherman, *An efficient probabilistic population-based descent for the median genome problem*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 315–322, ACM, 12-16 July, 2008.
- [52] S. Pirkwieser and G. R. Raidl, *Finding consensus trees by evolutionary, variable neighborhood search, and hybrid algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 323–330, ACM, 12-16 July, 2008.
- [53] F. J. Romero-Campero, H. Cao, M. Camara and N. Krasnogor, *Structure and parameter estimation for cell systems biology models*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 331–338, ACM, 12-16 July, 2008.
- [54] R. J. Urbanowicz, N. Barney, B. C. White and J. H. Moore, *Mask functions for the symbolic modeling of epistasis using genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 339–346, ACM, 12-16 July, 2008.
- [55] B. Garcia, R. Aler, A. Ledezma and A. Sanchis, *Protein-protein functional association prediction using genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 347–348, ACM, 12-16 July, 2008.
- [56] R. Gonçalves, M. C. Goldbarg, E. F. Goldbarg and M. R. Delgado, *Warping search: a new metaheuristic applied to the protein structure prediction*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 349–350, ACM, 12-16 July, 2008.

- [57] C. S. Greene, B. C. White and J. H. Moore, *Using expert knowledge in initialization for genome-wide analysis of epistasis using genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 351–352, ACM, 12-16 July, 2008.
- [58] N. E. Hardison, T. J. Fanelli, S. M. Dudek, D. M. Reif, M. D. Ritchie and A. A. Motsinger-Reif, *A balanced accuracy fitness function leads to robust analysis using grammatical evolution neural networks in the case of class imbalance*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 353–354, ACM, 12-16 July, 2008.
- [59] W. Jaśkowski, K. Krawiec and B. Wieloch, *Fitnessless coevolution*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 355–362, ACM, 12-16 July, 2008.
- [60] P. Lichodziejewski and M. I. Heywood, *Managing team-based problem solving with symbiotic bid-based genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 363–370, ACM, 12-16 July, 2008.
- [61] T. C. Service and D. R. Tauritz, *A no-free-lunch framework for coevolution*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 371–378, ACM, 12-16 July, 2008.
- [62] M. Shi, *An empirical comparison of evolution and coevolution for designing artificial neural network game players*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 379–386, ACM, 12-16 July, 2008.
- [63] T. C. Service and D. R. Tauritz, *Co-optimization algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 387–388, ACM, 12-16 July, 2008.
- [64] L. Yang, H. Huang and Y. Liu, *A coevolution archive based on problem dimension*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 389–390, ACM, 12-16 July, 2008.



- [65] C.-Y. Chuang and Y. ping Chen, *On the effectiveness of distributions estimated by probabilistic model building*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 391–398, ACM, 12-16 July, 2008.
- [66] C. M. Fernandes, C. Lima and A. C. Rosa, *Umdas for dynamic optimization problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 399–406, ACM, 12-16 July, 2008.
- [67] J. A. Gámez, J. L. Mateo and J. M. Puerta, *Improved edna (estimation of dependency networks algorithm) using combining function with bivariate probability distributions*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 407–414, ACM, 12-16 July, 2008.
- [68] M. W. Hauschild, M. Pelikan, K. Sastry and D. E. Goldberg, *Using previous models to bias structural learning in the hierarchical boa*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 415–422, ACM, 12-16 July, 2008.
- [69] D. Iclanzan and D. Dumitrescu, *Going for the big fishes: discovering and combining large neutral and massively multimodal building-blocks with model based macro-mutation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 423–430, ACM, 12-16 July, 2008.
- [70] C. F. Lima, F. G. Lobo and M. Pelikan, *From mating pool distributions to model overfitting*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 431–438, ACM, 12-16 July, 2008.
- [71] C. F. Lima, C. Fernandes and F. G. Lobo, *Investigating restricted tournament replacement in ecga for non-stationary environments*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 439–446, ACM, 12-16 July, 2008.
- [72] M. Pelikan, K. G. Helmut and S. Kobe, *Finding ground states of sherrington-kirkpatrick spin glasses with hierarchical boa and genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 447–454, ACM, 12-16 July, 2008.

- [73] M. Pelikan, K. Sastry and D. E. Goldberg, *iboa: the incremental bayesian optimization algorithm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 455–462, ACM, 12-16 July, 2008.
- [74] A. E. Brownlee, M. Pelikan, J. A. McCall and A. Petrovski, *An application of a multivariate estimation of distribution algorithm to cancer chemotherapy*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 463–464, ACM, 12-16 July, 2008.
- [75] A. E. Brownlee, Y. Wu, J. A. McCall, P. M. Godley, D. E. Cairns and J. Cowie, *Optimisation and fitness modelling of bio-control in mushroom farming using a markov network eda*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 465–466, ACM, 12-16 July, 2008.
- [76] T. S. Duque, D. E. Goldberg and K. Sastry, *Improving the efficiency of the extended compact genetic algorithm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 467–468, ACM, 12-16 July, 2008.
- [77] A. Hernández-Aguirre, E. Villa-Diharce and S. Barba-Moreno, *An estimation distribution algorithm with the spearman's rank correlation index*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 469–470, ACM, 12-16 July, 2008.
- [78] Y. Hong, S. Kwong, H. Xiong and Q. Ren, *Data clustering using virtual population based incremental learning algorithm with similarity matrix encoding strategy*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 471–472, ACM, 12-16 July, 2008.
- [79] P. P. Mayorga-Alvarez and A. Hernández-Aguirre, *The directional eda for global optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 473–474, ACM, 12-16 July, 2008.
- [80] S. Shakya and R. Santana, *An eda based on local markov property and gibbs sampling*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 475–476, ACM, 12-16 July, 2008.

- [81] S. I. Valdez, A. Hernandez-Aguirre and S. Botello-Rionda, *Designing edas by using the elitist convergent eda concept and the boltzmann distribution*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 477–478, ACM, 12-16 July, 2008.
- [82] Y. Akimoto, J. Sakuma, I. Ono and S. Kobayashi, *Functionally specialized cma-es: a modification of cma-es based on the specialization of the functions of covariance matrix adaptation and step size adaptation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 479–486, ACM, 12-16 July, 2008.
- [83] H.-G. Beyer and A. Melkozerov, *Mutative  $\epsilon$ -self-adaptation can beat cumulative step size adaptation when using weighted recombination*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 487–494, ACM, 12-16 July, 2008.
- [84] P. Caamano, F. Bellas, J. A. Becerra and R. J. Duro, *Application domain study of evolutionary algorithms in optimization problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 495–502, ACM, 12-16 July, 2008.
- [85] J. Jägersküpper and M. Preuss, *Aiming for a theoretically tractable csa variant by means of empirical investigations*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 503–510, ACM, 12-16 July, 2008.
- [86] S. Meyer-Nieberg and H.-G. Beyer, *Why noise may be good: additive noise on the sharp ridge*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 511–518, ACM, 12-16 July, 2008.
- [87] O. M. Shir, J. Roslund, T. Baeck and H. Rabitz, *Performance analysis of derandomized evolution strategies in quantum control experiments*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 519–526, ACM, 12-16 July, 2008.
- [88] M. G. Epitropakis, V. P. Plagianakos and M. N. Vrahatis, *Non-monotone differential evolution*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore,

- F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 527–528, ACM, 12-16 July, 2008.
- [89] D. James, *A comparison of speciation, extinction, and complexification in neuroevolution with and without selection pressure*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 529–530, ACM, 12-16 July, 2008.
- [90] A. R. L. Junior and T. A. E. Ferreira, *A hybrid method for tuning neural network for time series forecasting*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 531–532, ACM, 12-16 July, 2008.
- [91] J. Nicholson and M. White, *Maintaining population diversity by maintaining family structures*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 533–534, ACM, 12-16 July, 2008.
- [92] P. Stalph, M. Ebner, M. Michel, B. Pfaff and R. Benz, *Multiobjective evolution of a fuzzy controller in a sewage treatment plant*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 535–536, ACM, 12-16 July, 2008.
- [93] O. Urfalioglu, A. E. Cetin and E. E. Kuruoglu, *Levy walk evolution for global optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 537–538, ACM, 12-16 July, 2008.
- [94] B. Doerr, E. Happ and C. Klein, *Crossover can provably be useful in evolutionary computation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 539–546, ACM, 12-16 July, 2008.
- [95] R. Kumar, P. Tolay and S. Tiwary, *Enhancing solution quality of the biobjective graph coloring problem using hybridization of ea: biobjective graph coloring problem*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 547–554, ACM, 12-16 July, 2008.
- [96] G. Ochoa, M. Tomassini, S. Vérel and C. Darabos, *A study of nk landscapes' basins and local optima networks*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F.

- Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 555–562, ACM, 12-16 July, 2008.
- [97] W. Steitz and F. Rothlauf, *Orientation matters: how to efficiently solve oost problems with problem-specific eas*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 563–570, ACM, 12-16 July, 2008.
- [98] H. Terashima-Marín, J. C. Ortiz-Bayliss, P. Ross and M. Valenzuela-Rendón, *Hyper-heuristics for the dynamic variable ordering in constraint satisfaction problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 571–578, ACM, 12-16 July, 2008.
- [99] F. Toyama, K. Shoji and J. Miyamichi, *An iterated greedy algorithm for the node placement problem in bidirectional manhattan street networks*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 579–584, ACM, 12-16 July, 2008.
- [100] D. Whitley, A. M. Sutton and A. E. Howe, *Understanding elementary landscapes*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 585–592, ACM, 12-16 July, 2008.
- [101] Y. Yoon, Y.-H. Kim and B.-R. Moon, *Feasibility-preserving crossover for maximum k-coverage problem*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 593–598, ACM, 12-16 July, 2008.
- [102] R. M. Araujo and L. C. Lamb, *Distributed problem solving by memetic networks: extended abstract*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 599–600, ACM, 12-16 July, 2008.
- [103] M. B. Bader-El-Den and R. Poli, *Evolving heuristics with genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 601–602, ACM, 12-16 July, 2008.
- [104] I. Borgulya, *A parallel evolutionary algorithm for unconstrained binary quadratic problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 603–604, ACM, 12-16 July, 2008.

- [105] M. Borschbach and A. Exeler, *A tabu history driven crossover operator design for memetic algorithm applied to max-2sat-problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 605–606, ACM, 12-16 July, 2008.
- [106] B. A. Julstrom, *An evolutionary algorithm for some cases of the single-source constrained plant location problem*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 607–608, ACM, 12-16 July, 2008.
- [107] R. E. Keller and R. Poli, *Subheuristic search and scalability in a hyperheuristic*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 609–610, ACM, 12-16 July, 2008.
- [108] A. Khaled and B. A. Julstrom, *Greedy heuristics and evolutionary algorithms for the bounded minimum-label spanning tree problem*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 611–612, ACM, 12-16 July, 2008.
- [109] P. Mahdabi, S. Jalili and M. Abadi, *A multi-start quantum-inspired evolutionary algorithm for solving combinatorial optimization problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 613–614, ACM, 12-16 July, 2008.
- [110] M. Qasem and A. Prugel-Bennett, *Complexity of max-sat using stochastic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 615–616, ACM, 12-16 July, 2008.
- [111] G. Avigad and J. Branke, *Embedded evolutionary multi-objective optimization for worst case robustness*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 617–624, ACM, 12-16 July, 2008.
- [112] D. Datta, J. R. Figueira, C. M. Fonseca and F. Tavares-Pereira, *Graph partitioning through a multi-objective evolutionary algorithm: a preliminary study*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 625–632, ACM, 12-16 July, 2008.

- [113] K. Deb, *A robust evolutionary framework for multi-objective optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 633–640, ACM, 12-16 July, 2008.
- [114] C. Horoba and F. Neumann, *Benefits and drawbacks for the use of epsilon-dominance in evolutionary multi-objective optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 641–648, ACM, 12-16 July, 2008.
- [115] H. Ishibuchi, N. Tsukamoto, Y. Hitotsuyanagi and Y. Nojima, *Effectiveness of scalability improvement attempts on the performance of nsga-ii for many-objective problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 649–656, ACM, 12-16 July, 2008.
- [116] H. Kanoh and K. Hara, *Hybrid genetic algorithm for dynamic multi-objective route planning with predicted traffic in a real-world road network*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 657–664, ACM, 12-16 July, 2008.
- [117] G. Lizarraga-Lizarraga, A. Hernandez-Aguirre and S. Botello-Rionda, *G-metric: an m-ary quality indicator for the evaluation of non-dominated sets*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 665–672, ACM, 12-16 July, 2008.
- [118] A. L. Jaimes, C. A. Coello Coello and D. Chakraborty, *Objective reduction using a feature selection technique*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 673–680, ACM, 12-16 July, 2008.
- [119] E. M. Dos Santos, R. Sabourin and P. Maupin, *Pareto analysis for the selection of classifier ensembles*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 681–688, ACM, 12-16 July, 2008.
- [120] L. Martí, J. García, A. Berlanga and J. M. Molina, *Introducing moneda: scalable multiobjective optimization with a neural estimation of distribution algorithm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 689–696, ACM, 12-16 July, 2008.

- [121] J. Pfeiffer, U. Golle and F. Rothlauf, *Reference point based multi-objective evolutionary algorithms for group decisions*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 697–704, ACM, 12-16 July, 2008.
- [122] O. Schuetze, G. Sanchez and C. A. Coello Coello, *A new memetic strategy for the numerical treatment of multi-objective optimization problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 705–712, ACM, 12-16 July, 2008.
- [123] O. Schuetze, C. A. Coello Coello, E. Tantar and E.-G. Talbi, *Computing finite size representations of the set of approximate solutions of an mop with stochastic search algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 713–720, ACM, 12-16 July, 2008.
- [124] A. K. A. Talukder, M. Kirley and R. Buyya, *A pareto following variation operator for fast-converging multiobjective evolutionary algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 721–728, ACM, 12-16 July, 2008.
- [125] S. Tiwari, P. Koch, G. Fadel and K. Deb, *Amga: an archive-based micro genetic algorithm for multi-objective optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 729–736, ACM, 12-16 July, 2008.
- [126] T. Ulrich, D. Brockhoff and E. Zitzler, *Pattern identification in pareto-set approximations*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 737–744, ACM, 12-16 July, 2008.
- [127] U. K. Wickramasinghe and X. Li, *Integrating user preferences with particle swarms for multi-objective optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 745–752, ACM, 12-16 July, 2008.
- [128] G. Avigad and C. A. Coello Coello, *Solving constrained multi-objective problems by objective space analysis*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F.



- Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 753–754, ACM, 12-16 July, 2008.
- [129] S. Gamhewa and P. F. Hingston, *Testing parallelization paradigms for moeas*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 755–756, ACM, 12-16 July, 2008.
- [130] C. Leon, G. Miranda and C. Segura, *Parallel hyperheuristic: a self-adaptive island-based model for multi-objective optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 757–758, ACM, 12-16 July, 2008.
- [131] G. Lizárraga-Lizárraga, A. Hernández-Aguirre and S. Botello-Rionda, *On the possibility to create a compatible-complete unary comparison method for evolutionary multiobjective algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 759–760, ACM, 12-16 July, 2008.
- [132] T. Lust, *Speed-up techniques for solving large-scale btsp with the two-phase pareto local search*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 761–762, ACM, 12-16 July, 2008.
- [133] L. V. Santana-Quintero, C. A. Coello Coello and A. G. Hernandez-Diaz, *Hybridizing surrogate techniques, rough sets and evolutionary algorithms to efficiently solve multi-objective optimization problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 763–764, ACM, 12-16 July, 2008.
- [134] E. J. S. Pires, L. Mendes, P. B. de Moura Oliveira, J. A. T. Machado, N. M. F. Ferreira, a. V. Jo and M. Rosário, *Single-objective front optimization: application to rf circuit design*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 765–766, ACM, 12-16 July, 2008.
- [135] F. Wen, X. Gao and M. Gen, *A novel approach to route selection in car navigation systems by a multiobjective genetic algorithm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 767–768, ACM, 12-16 July, 2008.
- [136] S. Z. Martínez and C. A. Coello Coello, *Hybridizing an evolutionary algorithm with mathematical programming techniques for multi-objective optimization*, in *GECCO '08:*

- Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 769–770, ACM, 12-16 July, 2008.
- [137] M. Dietzfelbinger, J. E. Rowe, I. Wegener and P. Woelfel, *Precision, local search and unimodal functions*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 771–778, ACM, 12-16 July, 2008.
- [138] F. Neumann, J. Reichel and M. Skutella, *Computing minimum cuts by randomized search heuristics*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 779–786, ACM, 12-16 July, 2008.
- [139] T. Weise, S. Niemczyk, H. Skubch, R. Reichle and K. Geihs, *A tunable model for multi-objective, epistatic, rugged, and neutral fitness landscapes*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 795–802, ACM, 12-16 July, 2008.
- [140] D. Weyland, *Simulated annealing, its parameter settings and the longest common subsequence problem*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 803–810, ACM, 12-16 July, 2008.
- [141] D. Whitley and J. Rowe, *Focused no free lunch theorems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 811–818, ACM, 12-16 July, 2008.
- [142] D. B. D'Ambrosio and K. O. Stanley, *Generative encoding for multiagent learning*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 819–826, ACM, 12-16 July, 2008.
- [143] N. Khemka, S. Novakowski, G. Hushlak and C. Jacob, *Evolutionary design of dynamic swarmscapes*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 827–834, ACM, 12-16 July, 2008.
- [144] H. Komatsu, Y. Hashimoto, Y. Chen and H. Ohashi, *An evolvability-enhanced artificial embryogeny for generating network structures*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon,

- K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 835–842, ACM, 12-16 July, 2008.
- [145] T. Kowaliw, *Measures of complexity for artificial embryogeny*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 843–850, ACM, 12-16 July, 2008.
- [146] T. Steiner, Y. Jin and B. Sendhoff, *A cellular model for the evolutionary development of lightweight material with an inner structure*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 851–858, ACM, 12-16 July, 2008.
- [147] G. Tufte, *Phenotypic, developmental and computational resources: scaling in artificial development*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 859–866, ACM, 12-16 July, 2008.
- [148] J. Clune, C. Ofria and R. T. Pennock, *How generative encodings fare on less regular problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 867–868, ACM, 12-16 July, 2008.
- [149] F. Jiang, H. Berry and M. Schoenauer, *Unsupervised learning of echo state networks: balancing the double pole*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 869–870, ACM, 12-16 July, 2008.
- [150] O. Yogev, A. A. Shapiro and E. K. Antonsson, *Growth control and disease mechanisms in computational embryogeny*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 871–872, ACM, 12-16 July, 2008.
- [151] C. C. Aranha and H. Iba, *A tree-based ga representation for the portfolio optimization problem*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 873–880, ACM, 12-16 July, 2008.
- [152] A. S. S. M. Barkat Ullah, R. Sarker and D. Cornforth, *Search space reduction technique for constrained optimization with tiny feasible space*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B.

- Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 881–888, ACM, 12-16 July, 2008.
- [153] A. Bhatt, P. Varshney and K. Deb, *In search of no-loss strategies for the game of tic-tac-toe using a customized genetic algorithm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 889–896, ACM, 12-16 July, 2008.
- [154] E. G. Carrano, R. H. Takahashi and E. F. Wanner, *An enhanced statistical approach for evolutionary algorithm comparison*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 897–904, ACM, 12-16 July, 2008.
- [155] J. Cervantes and C. R. Stephens, *Rank based variation operators for genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 905–912, ACM, 12-16 July, 2008.
- [156] L. DaCosta, A. Fialho, M. Schoenauer and M. Sebag, *Adaptive operator selection with dynamic multi-armed bandits*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 913–920, ACM, 12-16 July, 2008.
- [157] T. Desell, B. Szymanski and C. Varela, *An asynchronous hybrid genetic-simplex search for modeling the milky way galaxy using volunteer computing*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 921–928, ACM, 12-16 July, 2008.
- [158] B. Doerr, T. Jansen and C. Klein, *Comparing global and local mutations on bit strings*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 929–936, ACM, 12-16 July, 2008.
- [159] C. M. Fernandes, J. J. Merelo, V. Ramos and A. C. Rosa, *A self-organized criticality mutation operator for dynamic optimization problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 937–944, ACM, 12-16 July, 2008.
- [160] T. Friedrich, P. S. Oliveto, D. Sudholt and C. Witt, *Theoretical analysis of diversity mechanisms for global exploration*, in *GECCO '08: Proceedings of the 10th annual conference*

- on *Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 945–952, ACM, 12-16 July, 2008.
- [161] E. Happ, D. Johannsen, C. Klein and F. Neumann, *Rigorous analyses of fitness-proportional selection for optimizing linear functions*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 953–960, ACM, 12-16 July, 2008.
- [162] T. W. de Lima, F. Rothlauf and A. C. Delbem, *The node-depth encoding: analysis and application to the bounded-diameter minimum spanning tree problem*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 969–976, ACM, 12-16 July, 2008.
- [163] J.-J. Liou and Y. ping Chen, *Adaptive discretization on multidimensional continuous search spaces*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 977–984, ACM, 12-16 July, 2008.
- [164] X. Llorà, N. I. Yasui and D. E. Goldberg, *Graph-theoretic measure for active igas: interaction sizing and parallel evaluation ensemble*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 985–992, ACM, 12-16 July, 2008.
- [165] S. Muelas, n. José M. Pe V. Robles and A. LaTorre, *Voronoi-initialized island models for solving real-coded deceptive problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 993–1000, ACM, 12-16 July, 2008.
- [166] T. Nakama, *Theoretical analysis of genetic algorithms in noisy environments based on a markov model*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1001–1008, ACM, 12-16 July, 2008.
- [167] A. Neubauer, *Theory of the simple genetic algorithm with  $\alpha$ -selection*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1009–1016, ACM, 12-16 July, 2008.

- [168] Q. H. Nguyen, Y. S. Ong and M. H. Lim, *Non-genetic transmission of memes by diffusion*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1017–1024, ACM, 12-16 July, 2008.
- [169] T. Park, R. Choe and K. R. Ryu, *Dual-population genetic algorithm for nonstationary optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1025–1032, ACM, 12-16 July, 2008.
- [170] A. Sheahan and C. Ryan, *A transformation-based approach to static multiprocessor scheduling*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1041–1048, ACM, 12-16 July, 2008.
- [171] F. Stonedahl, W. Rand and U. Wilensky, *Crossnet: a framework for crossover with network-based chromosomal representations*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1057–1064, ACM, 12-16 July, 2008.
- [172] L. Troiano, C. Birtolo and M. Miranda, *Adapting palettes to color vision deficiencies by genetic algorithm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1065–1072, ACM, 12-16 July, 2008.
- [173] M. Tsuji, M. Munetomo and K. Akama, *Empirical investigations on parallel competent genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1073–1080, ACM, 12-16 July, 2008.
- [174] J. M. Whitacre, H. A. Abbass, R. Sarker, A. Bender and S. Baker, *Strategic positioning in tactical scenario planning*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1081–1088, ACM, 12-16 July, 2008.
- [175] T.-L. Yu and W.-K. Lin, *Optimal sampling of genetic algorithms on polynomial regression*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1089–1096, ACM, 12-16 July, 2008.
- [176] I. Berenboym and M. Avigal, *Genetic algorithms with local search optimization for protein structure prediction problem*, in *GECCO '08: Proceedings of the 10th annual conference on*

- Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1097–1098, ACM, 12-16 July, 2008.
- [177] K. P. Bergmann, R. Scheidler and C. Jacob, *Cryptanalysis using genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1099–1100, ACM, 12-16 July, 2008.
- [178] R. Breukelaar and T. Baeck, *Self-adaptive mutation rates in genetic algorithm for inverse design of cellular automata*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1101–1102, ACM, 12-16 July, 2008.
- [179] P. A. Castillo, G. Fernández, A. Mora, J. J. Merelo, J. L. Bernier and A. Prieto, *Evolving machine microprograms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1103–1104, ACM, 12-16 July, 2008.
- [180] P. M. Godley, D. E. Cairns, J. Cowie, K. M. Swingler and J. McCall, *The effects of mutation and directed intervention crossover when applied to scheduling chemotherapy*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1105–1106, ACM, 12-16 July, 2008.
- [181] Y. Hanada, T. Hiroyasu and M. Miki, *Analysis of the performance of genetic multi-step search in interpolation and extrapolation domain*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1107–1108, ACM, 12-16 July, 2008.
- [182] E. A. Holdener and D. R. Tauritz, *Learning offspring optimizing mate selection*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1109–1110, ACM, 12-16 July, 2008.
- [183] H. Ishibuchi, N. Tsukamoto and Y. Nojima, *Maintaining the diversity of solutions by non-geometric binary crossover: a worst one-max solver competition case study*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1111–1112, ACM, 12-16 July, 2008.

- [184] H. yi Jiang and C. K. Chang, *Deriving evaluation metrics for applicability of genetic algorithms to optimization problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1113–1114, ACM, 12-16 July, 2008.
- [185] M. Khosraviani, S. Pour-Mozafari and M. M. Ebadzadeh, *Convergence analysis of quantum-inspired genetic algorithms with the population of a single individual*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1115–1116, ACM, 12-16 July, 2008.
- [186] Y.-H. Kim, *Linear transformation in pseudo-boolean functions*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1117–1118, ACM, 12-16 July, 2008.
- [187] A. LaTorre, n. José M. Pe V. Robles and S. Muelas, *Using multiple offspring sampling to guide genetic algorithms to solve permutation problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1119–1120, ACM, 12-16 July, 2008.
- [188] M. N. Le, Y. S. Ong and Q. H. Nguyen, *Optinformatics for schema analysis of binary genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1121–1122, ACM, 12-16 July, 2008.
- [189] Z. Li and E. D. Goodman, *A practical search index and population size analysis based on the building block hypothesis*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1123–1124, ACM, 12-16 July, 2008.
- [190] F. V. Martins, E. G. Carrano, E. F. Wanner and R. H. Takahashi, *The micro-genetic operator in the search of global trends*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1125–1126, ACM, 12-16 July, 2008.
- [191] B. M. Ginley, F. Morgan and C. O'Riordan, *Maintaining diversity through adaptive selection, crossover and mutation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1127–1128, ACM, 12-16 July, 2008.



- [192] M. Najafi and H. Beigy, *Using pca to improve evolutionary cellular automata algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1129–1130, ACM, 12-16 July, 2008.
- [193] M. Nojournian and D. K. Nair, *Comparing genetic algorithm and guided local search methods by symmetric tsp instances*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1131–1132, ACM, 12-16 July, 2008.
- [194] G. Papa, *Parameter-less evolutionary search*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1133–1134, ACM, 12-16 July, 2008.
- [195] G. Paperin, *Evolving sequence patterns for prediction of sub-cellular locations of eukaryotic proteins*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1135–1136, ACM, 12-16 July, 2008.
- [196] C. Pizzuti, *Community detection in social networks with genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1137–1138, ACM, 12-16 July, 2008.
- [197] J. L. Risco-Martín, J. I. Hidalgo, J. Lanchares and O. Garnica, *Solving discrete deceptive problems with emmrs*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1139–1140, ACM, 12-16 July, 2008.
- [198] C. S. Sahin, E. Urrea, M. U. Uyar, M. Conner, I. Hokelek, M. Conner, G. Bertoli and C. Pizzo, *Genetic algorithms for self-spreading nodes in manets*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1141–1142, ACM, 12-16 July, 2008.
- [199] Y. Sato, D. Goldberg and K. Sastry, *Improving small population performance under noise with viral infection + tropism*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1143–1144, ACM, 12-16 July, 2008.
- [200] F. L. Seixas, L. S. Ochi, A. Conci and D. M. Saade, *Image registration using genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and*

- evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1145–1146, ACM, 12-16 July, 2008.
- [201] N. P. Troutman, B. E. Eskridge and D. F. Hougen, *Is "best-so-far" a good algorithmic performance metric?*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1147–1148, ACM, 12-16 July, 2008.
- [202] E. F. Wanner, E. G. Carrano and R. H. Takahashi, *Coordinate change operators for genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1149–1150, ACM, 12-16 July, 2008.
- [203] O. Yogev, A. A. Shapiro and E. K. Antonsson, *Modularity and symmetry in computational embryogeny*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1151–1152, ACM, 12-16 July, 2008.
- [204] M. Zamalloa, L. J. Rodriguez-Fuentes, n. Mikel Pe G. Bordel and J. P. Uribe, *Comparing genetic algorithms to principal component analysis and linear discriminant analysis in reducing feature dimensionality for speaker recognition*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1153–1154, ACM, 12-16 July, 2008.
- [205] A. Agapitos, M. Dyson, S. M. Lucas and F. Sepulveda, *Learning to recognise mental activities: genetic programming of stateful classifiers for brain-computer interfacing*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1155–1162, ACM, 12-16 July, 2008.
- [206] A. Agapitos, M. Dyson, J. Kovalchuk and S. M. Lucas, *On the genetic programming of time-series predictors for supply chain management*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1163–1170, ACM, 12-16 July, 2008.
- [207] D. A. Augusto, H. J. Barbosa and N. F. Ebecken, *Coevolution of data samples and classifiers integrated with grammatically-based genetic programming for data classification*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1171–1178, ACM, 12-16 July, 2008.

- [208] L. Bai, M. Eyyiyurekli and D. E. Breen, *Automated shape composition based on cell biology and distributed genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1179–1186, ACM, 12-16 July, 2008.
- [209] F. Binard and A. Felty, *Genetic programming with polymorphic types and higher-order functions*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1187–1194, ACM, 12-16 July, 2008.
- [210] B. M. Cerny, P. C. Nelson and C. Zhou, *Using differential evolution for symbolic regression and numerical constant creation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1195–1202, ACM, 12-16 July, 2008.
- [211] Y. Kameya, J. Kumagai and Y. Kurata, *Accelerating genetic programming by frequent subtree mining*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1203–1210, ACM, 12-16 July, 2008.
- [212] A. Kattan and R. Poli, *Evolutionary lossless compression with gp-zip\**, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1211–1218, ACM, 12-16 July, 2008.
- [213] P. Kaufmann and M. Platzner, *Advanced techniques for the creation and propagation of modules in cartesian genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1219–1226, ACM, 12-16 July, 2008.
- [214] R. Kumar, A. H. Joshi, K. K. Banka and P. I. Rockett, *Evolution of hyperheuristics for the biobjective 0/1 knapsack problem by multiobjective genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1227–1234, ACM, 12-16 July, 2008.
- [215] N. F. McPhee and R. Poli, *Memory with memory: soft assignment in genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1235–1242, ACM, 12-16 July, 2008.

- [216] A. M. Mora García, P. A. C. Valdivieso, J. J. M. Guervós, E. A. Cid, A. I. Esparcia-Alcázar and K. Sharman, *Discovering causes of financial distress by combining evolutionary algorithms and artificial neural networks*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1243–1250, ACM, 12-16 July, 2008.
- [217] G. Murphy and C. Ryan, *Exploiting the path of least resistance in evolution*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1251–1258, ACM, 12-16 July, 2008.
- [218] R. Nunkesser, *Analysis of a genetic programming algorithm for association studies*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1259–1266, ACM, 12-16 July, 2008.
- [219] R. Poli and N. F. McPhee, *Parsimony pressure made easy*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1267–1274, ACM, 12-16 July, 2008.
- [220] R. Poli, N. F. McPhee and L. Vanneschi, *The impact of population size on code growth in gp: analysis and empirical validation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1275–1282, ACM, 12-16 July, 2008.
- [221] L. B. de Sá and A. Mesquita, *Evolutionary synthesis of low-sensitivity equalizers using adjacency matrix representation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1283–1290, ACM, 12-16 July, 2008.
- [222] L. Spector, D. M. Clark, I. Lindsay, B. Barr and J. Klein, *Genetic programming for finite algebras*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1291–1298, ACM, 12-16 July, 2008.
- [223] L. Trujillo, G. Olague, E. Lutton and F. F. de Vega, *Multiobjective design of operators that detect points of interest in images*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1299–1306, ACM, 12-16 July, 2008.

- [224] C. J. Turner, A. Tiwari and J. Mehnen, *A genetic programming approach to business process mining*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1307–1314, ACM, 12-16 July, 2008.
- [225] D. C. Wedge and D. B. Kell, *Rapid prediction of optimum population size in genetic programming using a novel genotype -: fitness correlation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1315–1322, ACM, 12-16 July, 2008.
- [226] H. Xie, M. Zhang, P. Andreae and M. Johnson, *An analysis of multi-sampled issue and no-replacement tournament selection*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1323–1330, ACM, 12-16 July, 2008.
- [227] R. Barate and A. Manzanera, *Generalization performance of vision based controllers for mobile robots evolved with genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1331–1332, ACM, 12-16 July, 2008.
- [228] J. Clegg, *Combining cartesian genetic programming with an estimation of distribution algorithm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1333–1334, ACM, 12-16 July, 2008.
- [229] S. V. Fogelson and W. D. Potter, *A formulation for the relative permittivity of water and steam to high temperatures and pressures evolved using genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1335–1336, ACM, 12-16 July, 2008.
- [230] T. Hu and W. Banzhaf, *Measuring rate of evolution in genetic programming using amino acid to synonymous substitution ratio  $k_a/k_s$* , in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1337–1338, ACM, 12-16 July, 2008.
- [231] T. E. Lewis and G. D. Magoulas, *Tread: a new genetic programming representation aimed at research of long term complexity growth*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley,

- A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1339–1340, ACM, 12-16 July, 2008.
- [232] C. Li, T. Hiroyasu and M. Miki, *Stress-based crossover operator for structure topology optimization using small population size and variable length chromosome*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1341–1342, ACM, 12-16 July, 2008.
- [233] R. Poli, N. F. McPhee and L. Vanneschi, *Elitism reduces bloat in genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1343–1344, ACM, 12-16 July, 2008.
- [234] T. White and A. Salehi-Abari, *A swarm-based crossover operator for genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1345–1346, ACM, 12-16 July, 2008.
- [235] G. Wijesinghe and V. Ciesielski, *Experiments with indexed for-loops in genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1347–1348, ACM, 12-16 July, 2008.
- [236] M. V. Butz, P. L. Lanzi, X. Llorà and D. Loiacono, *An analysis of matching in learning classifier systems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1349–1356, ACM, 12-16 July, 2008.
- [237] M. V. Butz and O. Herbort, *Context-dependent predictions and cognitive arm control with xcsf*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1357–1364, ACM, 12-16 July, 2008.
- [238] M. V. Butz, P. Stalphy and P. L. Lanzi, *Self-adaptive mutation in xcsf*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1365–1372, ACM, 12-16 July, 2008.
- [239] R. Chow, W. Zhong, M. Blackmon, R. Stolz and M. Dowell, *An efficient svm-ga feature selection model for large healthcare databases*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1373–1380, ACM, 12-16 July, 2008.

- [240] Y. Hong, S. Kwong, H. Xiong and Q. Ren, *Genetic-guided semi-supervised clustering algorithm with instance-level constraints*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1381–1388, ACM, 12-16 July, 2008.
- [241] G. D. Howard, L. Bull and P.-L. Lanzi, *Self-adaptive constructivism in neural xcs and xcsf*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1389–1396, ACM, 12-16 July, 2008.
- [242] Y. Kassahun, J. de Gea, M. Edgington, J. H. Metzen and F. Kirchner, *Accelerating neuroevolutionary methods using a kalman filter*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1397–1404, ACM, 12-16 July, 2008.
- [243] N. Kohl and R. Miikkulainen, *Evolving neural networks for fractured domains*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1405–1412, ACM, 12-16 July, 2008.
- [244] F. Teixidó-Navarro, A. Orriols-Puig and E. Bernadó-Mansilla, *Hierarchical evolution of linear regressors*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1413–1420, ACM, 12-16 July, 2008.
- [245] J. Bacardit and N. Krasnogor, *Fast rule representation for continuous attributes in genetics-based machine learning*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1421–1422, ACM, 12-16 July, 2008.
- [246] E. M. Dos Santos, L. S. Oliveira, R. Sabourin and P. Maupin, *Overfitting in the selection of classifier ensembles: a comparative study between pso and ga*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1423–1424, ACM, 12-16 July, 2008.
- [247] J. H. Metzen, F. Kirchner, M. Edgington and Y. Kassahun, *Towards efficient online reinforcement learning using neuroevolution*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1425–1426, ACM, 12-16 July, 2008.

- [248] C. G. Pitangui and G. Zaverucha, *Genetic local search for rule learning*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1427–1428, ACM, 12-16 July, 2008.
- [249] S. Priesterjahn, *Imitation-based evolution of artificial players in modern computer games*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1429–1430, ACM, 12-16 July, 2008.
- [250] J. A. Ramírez-Ruiz, M. Valenzuela-Rendón and H. Terashima-Marín, *A new approach to fuzzy lcss in two-dimensional continuous multistep environment with continuous vector actions*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1433–1434, ACM, 12-16 July, 2008.
- [251] S. M. Winkler, M. Affenzeller and S. Wagner, *Fine-grained population diversity estimation for genetic programming based structure identification*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1435–1436, ACM, 12-16 July, 2008.
- [252] H. A. Abbass, A. Bender, H. H. Dam, S. Baker, J. Whitacre and R. Sarker, *Computational scenario-based capability planning*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1437–1444, ACM, 12-16 July, 2008.
- [253] A. Abraham, A. Biswas, S. Das and S. Dasgupta, *Design of fractional order  $pi\lambda d\mu$  controllers with an improved differential evolution*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1445–1452, ACM, 12-16 July, 2008.
- [254] V. Ciesielski, N. Wu and S. Tahaghoghi, *Evolving similarity functions for code plagiarism detection*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1453–1460, ACM, 12-16 July, 2008.
- [255] S. Das, P. Koduru, X. Cai, S. Welch and V. Sarangan, *The gene regulatory network: an application to optimal coverage in sensor networks*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1461–1468, ACM, 12-16 July, 2008.



- [256] O. David-Tabibi, M. Koppel and N. S. Netanyahu, *Genetic algorithms for mentor-assisted evaluation function optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1469–1476, ACM, 12-16 July, 2008.
- [257] J. M. de la Cruz, E. Besada-Portas, L. Torre-Cubillo, B. Andres-Toro and J. A. Lopez-Orozco, *Evolutionary path planner for uavs in realistic environments*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1477–1484, ACM, 12-16 July, 2008.
- [258] B. George, S. J. Gibson, M. I. Maylin and C. J. Solomon, *Efit-v -: interactive evolutionary strategy for the construction of photo-realistic facial composites*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1485–1490, ACM, 12-16 July, 2008.
- [259] C. Grimme, J. Lepping and A. Papaspyrou, *Discovering performance bounds for grid scheduling by using evolutionary multiobjective optimization*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1491–1498, ACM, 12-16 July, 2008.
- [260] I. Hasircioglu, H. R. Topcuoglu and M. Ermis, *3-d path planning for the navigation of unmanned aerial vehicles by using evolutionary algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1499–1506, ACM, 12-16 July, 2008.
- [261] G. Hassan and C. D. Clack, *Multiobjective robustness for portfolio optimization in volatile environments*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1507–1514, ACM, 12-16 July, 2008.
- [262] J. I. Hidalgo, J. L. Risco-Martín, D. Atienza and J. Lanchares, *Analysis of multi-objective evolutionary algorithms to optimize dynamic data types in embedded systems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1515–1522, ACM, 12-16 July, 2008.
- [263] Y. Hirayama, T. Clarke and J. F. Miller, *Fault tolerant control using cartesian genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F.

- Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1523–1530, ACM, 12-16 July, 2008.
- [264] T. Holmes and J. Zanker, *Eye on the prize: using overt visual attention to drive fitness for interactive evolutionary computation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1531–1538, ACM, 12-16 July, 2008.
- [265] J. Jaros and V. Dvorak, *An evolutionary design technique for collective communications on optimal diameter-degree networks*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1539–1546, ACM, 12-16 July, 2008.
- [266] R. Kabli, J. McCall, F. Herrmann and E. Ong, *Evolved bayesian networks as a versatile alternative to partin tables for prostate cancer management*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1547–1554, ACM, 12-16 July, 2008.
- [267] J. W. Kruisselbrink, T. Bäck, A. P. IJzerman and E. van der Horst, *Evolutionary algorithms for automated drug design towards target molecule properties*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1555–1562, ACM, 12-16 July, 2008.
- [268] R. Leigh, J. Schonfeld and S. J. Louis, *Using coevolution to understand and validate game balance in continuous games*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1563–1570, ACM, 12-16 July, 2008.
- [269] Y. T. Lim, P. C. Cheng, P. Rohatgi and J. A. Clark, *Mls security policy evolution with genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1571–1578, ACM, 12-16 July, 2008.
- [270] F. Luna, C. Estébanez, C. León, J. M. Chaves-González, E. Alba, R. Aler, C. Segura, M. A. Vega-Rodríguez, A. J. Nebro, J. M. Valls, G. Miranda and J. A. Gómez-Pulido, *Metaheuristics for solving a real-world frequency assignment problem in gsm networks*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1579–1586, ACM, 12-16 July, 2008.

- [271] S. Matsui and S. Yamada, *Optimizing hierarchical menus by genetic algorithm and simulated annealing*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1587–1594, ACM, 12-16 July, 2008.
- [272] H. J. F. Moen and S. Kristoffersen, *Multi-resistant radar jamming using genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1595–1602, ACM, 12-16 July, 2008.
- [273] T. M. Oliwa, *Genetic algorithms and the abc music notation language for rock music composition*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1603–1610, ACM, 12-16 July, 2008.
- [274] G. K. Pedersen and Z. Yang, *Efficiency optimization of a multi-pump booster system*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1611–1618, ACM, 12-16 July, 2008.
- [275] G. K. Pedersen and Z. Yang, *Estimation of pump-curves using genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1619–1626, ACM, 12-16 July, 2008.
- [276] A. Raja, R. M. A. Azad, C. Flanagan and C. Ryan, *Voip speech quality estimation in a mixed context with genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1627–1634, ACM, 12-16 July, 2008.
- [277] S. Saruwatari, X. Llorca, N. I. Yasui, H. Tamura, K. Sastry and D. E. Goldberg, *Speeding online synthesis via enforced selecto-recombination*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1635–1642, ACM, 12-16 July, 2008.
- [278] K. Slany, *Branch predictor on-line evolutionary system*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1643–1648, ACM, 12-16 July, 2008.
- [279] A. Song and D. Fang, *Robust method of detecting moving objects in videos evolved by genetic programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and*

- evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1649–1656, ACM, 12-16 July, 2008.
- [280] N. Wagner and Z. Michalewicz, *An analysis of adaptive windowing for time series forecasting in dynamic environments: further tests of the dyfor gp model*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1657–1664, ACM, 12-16 July, 2008.
- [281] A. Willis, S. Patel and C. D. Clack, *Gp age-layer and crossover effects in bid-offer spread prediction*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1665–1672, ACM, 12-16 July, 2008.
- [282] S. X. Wu and W. Banzhaf, *Combatting financial fraud: a coevolutionary anomaly detection approach*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1673–1680, ACM, 12-16 July, 2008.
- [283] W. Yan, M. D. Sewell and C. D. Clack, *Learning to optimize profits beats predicting returns -: comparing techniques for financial portfolio optimisation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1681–1688, ACM, 12-16 July, 2008.
- [284] S. Ataka and M. Gen, *The study for transportation planning considered the inventory using hybrid genetic algorithm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1689–1690, ACM, 12-16 July, 2008.
- [285] Y. Borenstein, N. Shah, E. Tsang, R. Dorne, A. Alsheddy and C. Voudouris, *On the partitioning of dynamic scheduling problems -: assigning technicians to areas*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1691–1692, ACM, 12-16 July, 2008.
- [286] Y. Chen, S. Mabu, K. Shimada and K. Hirasawa, *Construction of portfolio optimization system using genetic network programming with control nodes*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1693–1694, ACM, 12-16 July, 2008.
- [287] S. Dasgupta, A. Biswas, S. Das and A. Abraham, *Automatic circle detection on images with an adaptive bacterial foraging algorithm*, in *GECCO '08: Proceedings of the 10th annual conference*

- on *Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1695–1696, ACM, 12-16 July, 2008.
- [288] L. de Marcos, J.-J. Martínez, J.-A. Gutierrez, R. Barchino and J.-M. Gutiérrez, *An evolutionary approach for competency-based curriculum sequencing*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1697–1698, ACM, 12-16 July, 2008.
- [289] R. Dewri, D. Whitley, I. Ray and I. Ray, *Evolution strategy based optimization of on-demand dependent data broadcast scheduling*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1699–1700, ACM, 12-16 July, 2008.
- [290] P. García-Sánchez, J. J. Merelo, J. P. Sevilla, J. L. Laredo, A. M. Mora and P. A. Castillo, *Automatic generation of xslt stylesheets using evolutionary algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1701–1702, ACM, 12-16 July, 2008.
- [291] G. Gyurecz, *Genetic algorithm in removing local nurbs surface irregularities using highlight lines*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1703–1704, ACM, 12-16 July, 2008.
- [292] S. P. Kodali, S. Bandaru, K. Deb, P. Munshi and N. N. Kishore, *Applicability of genetic algorithms to reconstruction of projected data from ultrasonic tomography*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1705–1706, ACM, 12-16 July, 2008.
- [293] J. eun Lee, M. Gen and K. gu Rhee, *Designing a multistage reverse logistics network problem by hybrid genetic algorithm*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1707–1708, ACM, 12-16 July, 2008.
- [294] S. Mabu, Y. Chen, E. Ohkawa and K. Hirasawa, *Stock trading strategies by genetic network programming with flag nodes*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1709–1710, ACM, 12-16 July, 2008.

- [295] P. E. MacNeil, *Genetic algorithms and solutions of an interesting differential equation*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1711–1712, ACM, 12-16 July, 2008.
- [296] A. O. Ortiz, n. Z. Angel E. Mu and A. H. Aguirre, *A hybrid system using pso and data mining for determining the ranking of a new participant in eurovision*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1713–1714, ACM, 12-16 July, 2008.
- [297] E. Ohkawa, Y. Chen, S. Mabu, K. Shimada and K. Hirasawa, *Varying portfolio construction of stocks using genetic network programming with control nodes*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1715–1716, ACM, 12-16 July, 2008.
- [298] D. Oranchak, *Evolutionary algorithm for decryption of monoalphabetic homophonic substitution ciphers encoded as constraint satisfaction problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1717–1718, ACM, 12-16 July, 2008.
- [299] J. C. Quiroz, A. Banerjee and S. J. Louis, *Igap: interactive genetic algorithm peer to peer*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1719–1720, ACM, 12-16 July, 2008.
- [300] Y. Sato, R. Suzuki and Y. Akatsuka, *Dependencies on player formation in event-driven hybrid learning classifier systems for soccer video games*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1721–1722, ACM, 12-16 July, 2008.
- [301] D. Sharma, K. Deb and N. N. Kishore, *A domain-specific crossover and a helper objective for generating minimum weight compliant mechanisms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1723–1724, ACM, 12-16 July, 2008.
- [302] K. Zhang, S. Sun and H. Si, *Prediction of retention times for a large set of pesticides based on improved gene expression programming*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley,

- A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1725–1726, ACM, 12-16 July, 2008.
- [303] E. Alba and F. Chicano, *Searching for liveness property violations in concurrent systems with aco*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1727–1734, ACM, 12-16 July, 2008.
  - [304] E. Alba, F. Chicano, M. Ferreira and J. Gomez-Pulido, *Finding deadlocks in large concurrent java programs using genetic algorithms*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1735–1742, ACM, 12-16 July, 2008.
  - [305] V. Garousi, *Empirical analysis of a genetic algorithm-based stress test technique*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1743–1750, ACM, 12-16 July, 2008.
  - [306] H. J. Goldsby and B. H. Cheng, *Avida-mde: a digital evolution approach to generating models of adaptive software behavior*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1751–1758, ACM, 12-16 July, 2008.
  - [307] K. Lakhota, M. Harman and P. McMinn, *Handling dynamic data structures in search based testing*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1759–1766, ACM, 12-16 July, 2008.
  - [308] Y. Wang, Z. Bai, M. Zhang, W. Du, Y. Qin and X. Liu, *Fitness calculation approach for the switch-case construct in evolutionary testing*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1767–1774, ACM, 12-16 July, 2008.
  - [309] D. R. White, J. Clark, J. Jacob and S. M. Poulding, *Searching for resource-efficient programs: low-power pseudorandom number generators*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1775–1782, ACM, 12-16 July, 2008.
  - [310] J. C. B. Ribeiro, M. A. Zenha-Reia and F. F. de Vega, *Strongly-typed genetic programming and purity analysis: input domain reduction for evolutionary testing problems*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*

(M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1783–1784, ACM, 12-16 July, 2008.

- [311] C. L. Simons and I. C. Parmee, *Agent-based support for interactive search in conceptual software engineering design*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation* (M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi and I. Wegener, eds.), (Atlanta, GA, USA), pp. 1785–1786, ACM, 12-16 July, 2008.