

Список литературы

[Abbass et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1437–1444, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Abraham et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1445–1452, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Agapitos et al. 2008a]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1163–1170, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Agapitos et al. 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1155–1162, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Ahmadi et al. 2008]

A. Ahmadi, F. Karray, and M. Kamel, Particle swarm clustering ensemble, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and*

evolutionary computation, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 159–160, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Akimoto et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 479–486, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Alba and Chicano 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1727–1734, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Alba et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1735–1742, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Aranha and Iba 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G.

- Talbi, and I. Wegener, pp. 873–880, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Araujo and Lamb 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 599–600, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Ataka and Gen 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1689–1690, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Augusto et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1171–1178, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Avigad and Branke 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 617–624, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Avigad and Coello Coello 2008] 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, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 753–754, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Awais et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 161–162, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Bacardit and Krasnogor 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1421–1422, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Bader-El-Den and Poli 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 601–602, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Bai et al. 2008] L. Bai, M. Eyiurekli, 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and

- I. Wegener, pp. 1179–1186, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Barate and Manzanera 2008]
- 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1331–1332, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Barkat Ullah et al. 2008]
- 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 881–888, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Barlow et al. 2008]
- 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 177–184, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Beckmann et al. 2008]
- 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 185–192, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Berenboym and Avigal 2008]
- 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, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1097–1098, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Bergmann et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1099–1100, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Beyer and Melkozerov 2008]

H.-G. Beyer and A. Melkozerov, Mutative σ-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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 487–494, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Bhatt et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 889–896, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Bin Azhar et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G.

- Talbi, and I. Wegener, pp. 1–8, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Binard and Felty 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1187–1194, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Borenstein et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1691–1692, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Borgulya 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 603–604, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Bornhofen and Lattaud 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 193–200, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Borschbach and Exeler 2008] 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*, edited by M. Keijzer,

G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 605–606, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Breukelaar and Baeck 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1101–1102, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Brownlee et al. 2008a]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 463–464, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Brownlee et al. 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 465–466, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Butz and Herbort 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G.

- Talbi, and I. Wegener, pp. 1357–1364, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Butz et al. 2008a] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1349–1356, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Butz et al. 2008b] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1365–1372, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Caamano et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 495–502, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Campbell et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 201–208, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Carrano et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr,

N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 897–904, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Castillo et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1103–1104, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Cerny et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1195–1202, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Cervantes and Stephens 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 905–912, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Chen et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1693–1694, Atlanta, GA, USA, 12-16 July 2008, ACM.

- [Chira et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 163–164, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Chow et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1373–1380, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Chuang and ping Chen 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 391–398, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Ciesielski et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1453–1460, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Clayton et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan,

- J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 299–306, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Clegg 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1333–1334, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Clune et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 867–868, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Cussat-Blanc et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 281–282, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [DaCosta et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 913–920, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [D'Ambrosio and Stanley 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr,

N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 819–826, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Das et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1461–1468, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Dasgupta et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1695–1696, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Datta et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 625–632, Atlanta, GA, USA, 12-16 July 2008, ACM.

[David-Tabibi et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1469–1476, Atlanta, GA, USA, 12-16 July 2008, ACM.

[de Franca et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 9–16, Atlanta, GA, USA, 12-16 July 2008, ACM.

[de la Cruz et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1477–1484, Atlanta, GA, USA, 12-16 July 2008, ACM.

[de Lima et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 969–976, Atlanta, GA, USA, 12-16 July 2008, ACM.

[de Marcos et al. 2008a]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 17–24, Atlanta, GA, USA, 12-16 July 2008, ACM.

[de Marcos et al. 2008b]

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, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1697–1698, Atlanta, GA, USA, 12-16 July 2008, ACM.

[de Melo and Araújo 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 169–176, Atlanta, GA, USA, 12-16 July 2008, ACM.

[de Sá and Mesquita 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1283–1290, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Deb 2008]

K. Deb, A robust evolutionary framework for multi-objective optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 633–640, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Desell et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 921–928, Atlanta, GA, USA, 12-16 July 2008, ACM.

- [Dewri et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1699–1700, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Dietzfelbinger et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 771–778, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Doerr et al. 2008a] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 539–546, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Doerr et al. 2008b] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 929–936, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Dos Santos et al. 2008a] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan,

- J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1423–1424, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Dos Santos et al. 2008b] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 681–688, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Dries and Peterson 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 25–32, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Duque et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 467–468, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Epitropakis et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 527–528, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Esmaeili and Jacob 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy,

- [eun Lee et al. 2008] S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 307–314, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [eun Lee et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1707–1708, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Fernandes et al. 2008a] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 399–406, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Fernandes et al. 2008b] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 937–944, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Fogelson and Potter 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1335–1336, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Friedrich et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 945–952, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Gámez et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 407–414, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Gamhewa and Hingston 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 755–756, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Garcia et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 347–348, Atlanta, GA, USA, 12-16 July 2008, ACM.

[García-Sánchez et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore,

F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1701–1702, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Garousi 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1743–1750, Atlanta, GA, USA, 12-16 July 2008, ACM.

[George et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1485–1490, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Ginley et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1127–1128, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Godley et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1105–1106, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Goeffon et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 315–322, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Goldsby and Cheng 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1751–1758, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Gonçalves et al. 2008]

R. Gonçalves, M. C. Goldberg, E. F. Goldberg, 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 349–350, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Gotshall and Soule 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 283–284, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Grabowski et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy,

- S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 209–216, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Greene et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 351–352, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Grimme et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1491–1498, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Gyurecz 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1703–1704, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Häckel et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 33–40, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Hanada et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1107–1108, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Happ et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 953–960, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Hardison et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 353–354, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Hasircioglu et al. 2008]

I. Hasircioglu, H. R. Topcuoglu, and M. Ermiş, 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1499–1506, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Hassan and Clack 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H.

Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1507–1514, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Hauschild et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 415–422, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Hernández-Aguirre et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 469–470, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Hidalgo et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1515–1522, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Hirayama et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G.

Talbi, and I. Wegener, pp. 1523–1530, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Holdener and Tauritz 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1109–1110, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Holmes and Zanker 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1531–1538, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Hong et al. 2008a]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 471–472, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Hong et al. 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1381–1388, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Horoba and Neumann 2008]

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, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 641–648, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Howard et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1389–1396, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Howden and Hendtlass 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 41–48, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Hu and Banzhaf 2008]

T. Hu and W. Banzhaf, Measuring rate of evolution in genetic programming using amino acid to synonymous substitution ratio ka/ks, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1337–1338, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Iclanzan and Dumitrescu 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and

- [Ishibuchi et al. 2008a] I. Wegener, pp. 423–430, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Ishibuchi et al. 2008b] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 649–656, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Jägersküpper and Preuss 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1111–1112, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Jaimes et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 503–510, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [James 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 673–680, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [James 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 529–530, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Jaros and Dvorak 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1539–1546, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Jaśkowski et al. 2008]

W. Jaśkowski, K. Krawiec, and B. Wieloch, Fitnessless coevolution, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 355–362, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Jiang et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 869–870, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Jordan et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and

- I. Wegener, pp. 49–56, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Jorge Pe 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 95–102, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Julstrom 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 607–608, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Jung and Reggia 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 285–286, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Junior and Ferreira 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 531–532, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Kabli et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon,

- K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1547–1554, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Kameya et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1203–1210, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Kano and Hara 2008] H. Kano 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 657–664, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Kassahun et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1397–1404, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Kattan and Poli 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1211–1218, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Kaufmann and Platzner 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1219–1226, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Keller and Poli 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 609–610, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Khaled and Julstrom 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 611–612, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Khemka et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 827–834, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Khosraviani et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry,

- K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1115–1116, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Kim 2008] Y.-H. Kim, Linear transformation in pseudo-boolean functions, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1117–1118, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Klamargias et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 57–62, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Knoester et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 217–224, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Kodali et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1705–1706, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Kohl and Miikkulainen 2008] 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, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1405–1412, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Komatsu et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 835–842, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Kowaliw 2008]

T. Kowaliw, Measures of complexity for artificial embryogeny, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 843–850, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Krah 2008]

P. Krah, Towards efficient evolution of morphology and control, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 287–288, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Kruisselbrink et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1555–1562, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Kumar et al. 2008a]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1227–1234, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Kumar et al. 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 547–554, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Lakhotia et al. 2008]

K. Lakhotia, 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1759–1766, Atlanta, GA, USA, 12-16 July 2008, ACM.

[LaTorre et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1119–1120, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Le et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H.

Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1121–1122, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Leigh et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1563–1570, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Leon et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 757–758, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Lewis and Magoulas 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1339–1340, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Li and Goodman 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1123–1124, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Li et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1341–1342, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Lichodziejewski and Heywood 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 363–370, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Lim et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1571–1578, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Lima et al. 2008a]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 439–446, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Lima et al. 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb,

B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 431–438, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Liou and ping Chen 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 977–984, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Lizarraga-Lizarraga et al. 2008a]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 665–672, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Lizárraga-Lizárraga et al. 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 759–760, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Llorà et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 985–992, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Luna et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1579–1586, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Lust 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 761–762, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Mabu et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1709–1710, Atlanta, GA, USA, 12-16 July 2008, ACM.

[MacNeil 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1711–1712, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Mahdabi et al. 2008]

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*, edited by

M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 613–614, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Martí et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 689–696, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Martínez and Coello Coello 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 769–770, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Martins et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1125–1126, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Matsui and Yamada 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G.

Talbi, and I. Wegener, pp. 1587–1594, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Mayorga-Alvarez and Hernández-Aguirre 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 473–474, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Mazhar and Farooq 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 63–70, Atlanta, GA, USA, 12-16 July 2008, ACM.

[McGinley et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 289–290, Atlanta, GA, USA, 12-16 July 2008, ACM.

[McPhee and Poli 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1235–1242, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Metzen et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr,

- N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1425–1426, Atlanta, GA, USA, 12–16 July 2008, ACM.
- [Meyer-Nieberg and Beyer 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 511–518, Atlanta, GA, USA, 12–16 July 2008, ACM.
- [Moen and Kristoffersen 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1595–1602, Atlanta, GA, USA, 12–16 July 2008, ACM.
- [Montes de Oca and Stützle 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 71–78, Atlanta, GA, USA, 12–16 July 2008, ACM.
- [Mora García et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1243–1250, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Muelas et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 993–1000, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Murphy and Ryan 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1251–1258, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Najafi and Beigy 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1129–1130, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Nakama 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1001–1008, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Neubauer 2008]

A. Neubauer, Theory of the simple genetic algorithm with α -selection, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener,

pp. 1009–1016, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Neumann et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 779–786, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Nguyen et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1017–1024, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Nicholson and White 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 533–534, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Nitschke and Schut 2008]

G. Nitschke and M. Schut, Designing multi-rover emergent specialization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 233–240, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Nojournian and Nair 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard,

- J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1131–1132, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Nunkesser 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1259–1266, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Ochoa et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 555–562, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Ohkawa et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1715–1716, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Oliwa 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1603–1610, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Oranchak 2008] 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, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1717–1718, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Ortíz et al. 2008]

A. O. Ortíz, 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1713–1714, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Ostaszewski et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 79–86, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Pant et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 87–94, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Papa 2008]

G. Papa, Parameter-less evolutionary search, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G.

- Talbi, and I. Wegener, pp. 1133–1134, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Paperin 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1135–1136, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Park et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1025–1032, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Payne and Eppstein 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 241–248, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Pedersen and Yang 2008a] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1611–1618, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Pedersen and Yang 2008b] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller,

- J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1619–1626, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Pelikan et al. 2008a] M. Pelikan, K. G. Helmut, and S. Kobe, Finding ground states of sherrington-kirkpatrick spin glasses with hierarchical boia and genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 447–454, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Pelikan et al. 2008b] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 455–462, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Pfeiffer et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 697–704, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Pires et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 765–766, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Pirkwieser and Raidl 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 323–330, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Pitangui and Zaverucha 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1427–1428, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Pizzuti 2008]

C. Pizzuti, Community detection in social networks with genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1137–1138, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Poli and McPhee 2008]

R. Poli and N. F. McPhee, Parsimony pressure made easy, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1267–1274, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Poli et al. 2008a]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1343–1344, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Poli et al. 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1275–1282, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Priesterjahn 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1429–1430, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Qasem and Prugel-Bennett 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 615–616, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Quiroz et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1719–1720, Atlanta, GA, USA, 12–16 July 2008, ACM.

[Rahmani and Helmi 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and

- [Raja et al. 2008] I. Wegener, pp. 291–292, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Raja et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1627–1634, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Ramírez-Ruiz et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1433–1434, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Ribeiro et al. 2008] J. C. B. Ribeiro, M. A. Zenha-Rela, 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1783–1784, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Risco-Martín et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1139–1140, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Romero-Campero et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 331–338, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Sahin et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1141–1142, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Saleem et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 103–110, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Salehi-Abari and White 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 111–118, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Santana-Quintero et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H.

- Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 763–764, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Saruwatari et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1635–1642, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Sato et al. 2008a] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1143–1144, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Sato et al. 2008b] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1721–1722, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Schuetze et al. 2008a] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 713–720, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Schuetze et al. 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 705–712, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Seixas et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1145–1146, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Seo and Hyun 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 293–294, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Service and Tauritz 2008a]

T. C. Service and D. R. Tauritz, Co-optimization algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 387–388, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Service and Tauritz 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and

- I. Wegener, pp. 371–378, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Shafiq et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 119–126, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Shakya and Santana 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 475–476, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Sharma et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1723–1724, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Sheahan and Ryan 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1041–1048, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Shi 2008] 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*, edited by M. Keijzer, G. Antoniol,

- C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 379–386, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Shir et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 519–526, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Simons and Parmee 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1785–1786, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Slany 2008] K. Slany, Branch predictor on-line evolutionary system, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1643–1648, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Smaldon et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 249–256, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Song and Fang 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1649–1656, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Spector et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1291–1298, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Stalphy et al. 2008]

P. Stalphy, 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 535–536, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Steiner et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 851–858, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Steitz and Rothlauf 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy,

- S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 563–570, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Stibor 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 127–134, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Stonedahl et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1057–1064, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Sudholt and Witt 2008] D. Sudholt and C. Witt, Runtime analysis of binary pso, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 135–142, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Talukder et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 721–728, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Tanev and Shimohara 2008] 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*,

edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 257–264, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Teixidó-Navarro et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1413–1420, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Terashima-Marín et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 571–578, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Tiwari et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 729–736, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Toyama et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 579–584, Atlanta, GA, USA, 12-16 July 2008, ACM.

- [Trendelenburg et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 295–296, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Troiano et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1065–1072, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Troutman et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1147–1148, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Trujillo et al. 2008a] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 297–298, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Trujillo et al. 2008b] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller,

- J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1299–1306, Atlanta, GA, USA, 12–16 July 2008, ACM.
- [Tsuji et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1073–1080, Atlanta, GA, USA, 12–16 July 2008, ACM.
- [Tufte 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 859–866, Atlanta, GA, USA, 12–16 July 2008, ACM.
- [Turner et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1307–1314, Atlanta, GA, USA, 12–16 July 2008, ACM.
- [Ulrich et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 737–744, Atlanta, GA, USA, 12–16 July 2008, ACM.
- [Urbanowicz et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 339–346, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Urfalioglu et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 537–538, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Valdez et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 477–478, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Valsalam and Miikkulainen 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 265–272, Atlanta, GA, USA, 12-16 July 2008, ACM.

[van Krevelen and Nitschke 2008]

D. W. F. van Krevelen and G. S. Nitschke, Neuroevolution for a gathering and collective construction task, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 225–232, Atlanta, GA, USA, 12-16 July 2008, ACM.

[von Mammen and Jacob 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 143–150, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Vulli and Agarwal 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 273–280, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Wagner and Michalewicz 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1657–1664, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Wang et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1767–1774, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Wanner et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan,

- J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1149–1150, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Wedge and Kell 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1315–1322, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Weise et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 795–802, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Wen et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 767–768, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Weyland 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 803–810, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Whitacre et al. 2008] 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, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1081–1088, Atlanta, GA, USA, 12-16 July 2008, ACM.

[White and Salehi-Abari 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1345–1346, Atlanta, GA, USA, 12-16 July 2008, ACM.

[White et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1775–1782, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Whitley and Rowe 2008]

D. Whitley and J. Rowe, Focused no free lunch theorems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 811–818, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Whitley et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 585–592, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Wickramasinghe and Li 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 745–752, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Wijesinghe and Ciesielski 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1347–1348, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Willis et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1665–1672, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Winkler et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1435–1436, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Wu and Banzhaf 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G.

- Talbi, and I. Wegener, pp. 1673–1680, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Xie et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1323–1330, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Yan et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1681–1688, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Yang et al. 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 389–390, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Yi Jiang and Chang 2008] 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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1113–1114, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [Yogev et al. 2008a] 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, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 871–872, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Yogev et al. 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1151–1152, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Yoon et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 593–598, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Yu and Lin 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1089–1096, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Yu 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 151–158, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Zamalloa et al. 2008]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1153–1154, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Zhang et al. 2008a]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 165–166, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Zhang et al. 2008b]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 167–168, Atlanta, GA, USA, 12-16 July 2008, ACM.

[Zhang et al. 2008c]

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*, edited by M. Keijzer, G. Antoniol, C. B. Congdon, K. Deb, B. Doerr, N. Hansen, J. H. Holmes, G. S. Hornby, D. Howard, J. Kennedy, S. Kumar, F. G. Lobo, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, J. Pollack, K. Sastry, K. Stanley, A. Stoica, E.-G. Talbi, and I. Wegener, pp. 1725–1726, Atlanta, GA, USA, 12-16 July 2008, ACM.