

Список литературы

- [1] Hussein A. Abbass, Axel Bender, Hai Huong Dam, Stephen Baker, James Whitacre, and Ruhul Sarker. Computational scenario-based capability planning. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1437–1444, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [2] Ajith Abraham, Arijit Biswas, Swagatam Das, and Sambarta Dasgupta. Design of fractional order $\pi\lambda d\mu$ controllers with an improved differential evolution. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1445–1452, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [3] Alexandros Agapitos, Matthew Dyson, Jenya Kovalchuk, and Simon Mark Lucas. On the genetic programming of time-series predictors for supply chain management. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1163–1170, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [4] Alexandros Agapitos, Matthew Dyson, Simon M. Lucas, and Francisco Sepulveda. Learning to recognise mental activities: genetic programming of stateful classifiers for brain-computer interfacing. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1155–1162, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [5] Abbas Ahmadi, Fakhri Karray, and Mohamed Kamel. Particle swarm clustering ensemble. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 159–160, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [6] Youhei Akimoto, Jun Sakuma, Isao Ono, and Shigenobu 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 Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 479–486, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [7] Enrique Alba and Francisco Chicano. Searching for liveness property violations in concurrent systems with aco. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy

- Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1727–1734, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [8] Enrique Alba, Francisco Chicano, Marco Ferreira, and Juan Gomez-Pulido. Finding deadlocks in large concurrent java programs using genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1735–1742, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [9] Claus C. Aranha and Hitoshi Iba. A tree-based ga representation for the portfolio optimization problem. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 873–880, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [10] Ricardo M. Araujo and Luis C. Lamb. Distributed problem solving by memetic networks: extended abstract. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 599–600, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [11] Shinichiro Ataka and Mitsuo Gen. The study for transportation planning considered the inventory using hybrid genetic algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1689–1690, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [12] Douglas A. Augusto, Helio J.C. Barbosa, and Nelson F.F. Ebecken. Coevolution of data samples and classifiers integrated with grammatically-based genetic programming for data classification. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1171–1178, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [13] Gideon Avigad and Jürgen Branke. Embedded evolutionary multi-objective optimization for worst case robustness. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference*

on *Genetic and evolutionary computation*, pages 617–624, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [14] Gideon Avigad and Carlos A. Coello Coello. Solving constrained multi-objective problems by objective space analysis. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 753–754, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [15] Aliya Awais, Muddassar Farooq, and Muhammad Younus Javed. Attack analysis & bio-inspired security framework for ip multimedia subsystem. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 161–162, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [16] Jaume Bacardit and Natalio Krasnogor. Fast rule representation for continuous attributes in genetics-based machine learning. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1421–1422, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [17] Mohamed Bahy Bader-El-Den and Riccardo Poli. Evolving heuristics with genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 601–602, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [18] Linge Bai, Manolya Eyiurekli, and David E. Breen. Automated shape composition based on cell biology and distributed genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1179–1186, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [19] Renaud Barate and Antoine Manzanera. Generalization performance of vision based controllers for mobile robots evolved with genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1331–1332, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [20] Abu S. S. M. Barkat Ullah, Ruhul Sarker, and David Cornforth. Search space reduction technique for constrained optimization with tiny feasible space. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H.

- Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 881–888, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [21] Gregory J. Barlow, Choong K. Oh, and Stephen F. Smith. Evolving cooperative control on sparsely distributed tasks for uav teams without global communication. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 177–184, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [22] Benjamin E. Beckmann, Philip K. McKinley, and Charles Ofria. Selection for group-level efficiency leads to self-regulation of population size. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 185–192, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [23] Igor Berenboym and Mireille Avigal. Genetic algorithms with local search optimization for protein structure prediction problem. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1097–1098, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [24] Karel P. Bergmann, Renate Scheidler, and Christian Jacob. Cryptanalysis using genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1099–1100, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [25] Hans-Georg Beyer and Alexander Melkozerov. Mutative & self-adaptation can beat cumulative step size adaptation when using weighted recombination. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 487–494, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [26] Anurag Bhatt, Pratul Varshney, and Kalyanmoy Deb. In search of no-loss strategies for the game of tic-tac-toe using a customized genetic algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 889–896, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [27] M.A. Hannan Bin Azhar, Farzin Deravi, and Keith Dimond. Criticality dispersion in swarms to optimize n-tuples. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1–8, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [28] Franck Binard and Amy Felty. Genetic programming with polymorphic types and higher-order functions. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1187–1194, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [29] Yossi Borenstein, Nazaraf Shah, Edward Tsang, Raphaël Dorne, Abdullah Alsheddy, and Christos Voudouris. On the partitioning of dynamic scheduling problems -: assigning technicians to areas. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1691–1692, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [30] Istvan Borgulya. A parallel evolutionary algorithm for unconstrained binary quadratic problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 603–604, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [31] Stefan Bornhofen and Claude Lattaud. On hopeful monsters, neutral networks and junk code in evolving l-systems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 193–200, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [32] M. Borschbach and A. Exeler. A tabu history driven crossover operator design for memetic algorithm applied to max-2sat-problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 605–606, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [33] Ron Breukelaar and Thomas Baeck. Self-adaptive mutation rates in genetic algorithm for inverse design of cellular automata. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual*

conference on Genetic and evolutionary computation, pages 1101–1102, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [34] Alexander E.I. Brownlee, Martin Pelikan, John A.W. McCall, and Andrei Petrovski. An application of a multivariate estimation of distribution algorithm to cancer chemotherapy. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 463–464, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [35] Alexander E.I. Brownlee, Yanghui Wu, John A.W. McCall, Paul M. Godley, David E. Cairns, and Julie Cowie. Optimisation and fitness modelling of bio-control in mushroom farming using a markov network eda. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 465–466, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [36] Martin V. Butz and Oliver Herbort. Context-dependent predictions and cognitive arm control with xcsf. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1357–1364, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [37] Martin V. Butz, Pier Luca Lanzi, Xavier Llorà, and Daniele Loiacono. An analysis of matching in learning classifier systems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1349–1356, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [38] Martin V. Butz, Patrick Stalph, and Pier Luca Lanzi. Self-adaptive mutation in xcsf. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1365–1372, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [39] P. Caamano, F. Bellas, J. A. Becerra, and R. J. Duro. Application domain study of evolutionary algorithms in optimization problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 495–502, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [40] Adam Campbell, Annie S. Wu, and Randall Shumaker. Multi-agent task allocation: learning when to say no. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy

- Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 201–208, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [41] Eduardo G. Carrano, Ricardo H.C. Takahashi, and Elizabeth F. Wanner. An enhanced statistical approach for evolutionary algorithm comparison. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 897–904, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [42] P. A. Castillo, G. Fernández, A. Mora, J. J. Merelo, J. L. Bernier, and A. Prieto. Evolving machine microprograms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1103–1104, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [43] Brian M. Cerny, Peter C. Nelson, and Chi Zhou. Using differential evolution for symbolic regression and numerical constant creation. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1195–1202, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [44] Jorge Cervantes and Christopher Rhodes Stephens. Rank based variation operators for genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 905–912, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [45] Yan Chen, Shingo Mabu, Kaoru Shimada, and Kotaro Hirasawa. Construction of portfolio optimization system using genetic network programming with control nodes. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1693–1694, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [46] Camelia Chira, D. Dumitrescu, and Camelia M. Pinte. Heterogeneous sensitive ant model for combinatorial optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual*

conference on Genetic and evolutionary computation, pages 163–164, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [47] Rick Chow, Wei Zhong, Michael Blackmon, Richard Stolz, and Marsha Dowell. An efficient svm-ga feature selection model for large healthcare databases. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1373–1380, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [48] Chung-Yao Chuang and Ying ping Chen. On the effectiveness of distributions estimated by probabilistic model building. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 391–398, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [49] Vic Ciesielski, Nelson Wu, and Seyed Tahaghoghi. Evolving similarity functions for code plagiarism detection. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1453–1460, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [50] Thomas F. Clayton, Leena N. Patel, Gareth Leng, Alan F. Murray, and Iain A.B. Lindsay. Rapid evaluation and evolution of neural models using graphics card hardware. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 299–306, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [51] Janet Clegg. Combining cartesian genetic programming with an estimation of distribution algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1333–1334, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [52] Jeff Clune, Charles Ofria, and Robert T. Pennock. How generative encodings fare on less regular problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 867–868, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [53] Sylvain Cussat-Blanc, Fabien Viale, Herve Luga, Yves Duthen, and Denis Caromel. Genetic algorithms and grid computing for artificial embryogeny. In Maarten Keijzer, Giuliano Antoniol,

- Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 281–282, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [54] Luis DaCosta, Alvaro Fialho, Marc Schoenauer, and Michèle Sebag. Adaptive operator selection with dynamic multi-armed bandits. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 913–920, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [55] David B. D'Ambrosio and Kenneth O. Stanley. Generative encoding for multiagent learning. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 819–826, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [56] Sanjoy Das, Praveen Koduru, Xinye Cai, Stephen Welch, and Venkatesh Sarangan. The gene regulatory network: an application to optimal coverage in sensor networks. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1461–1468, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [57] Sambarta Dasgupta, Arijit Biswas, Swagatam Das, and Ajith Abraham. Automatic circle detection on images with an adaptive bacterial foraging algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1695–1696, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [58] Dilip Datta, Jose Rui Figueira, Carlos M. Fonseca, and Fernando Tavares-Pereira. Graph partitioning through a multi-objective evolutionary algorithm: a preliminary study. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 625–632, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [59] Omid David-Tabibi, Moshe Koppel, and Nathan S. Netanyahu. Genetic algorithms for mentor-assisted evaluation function optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1469–1476, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [60] Fabricio Olivetti de Franca, Guilherme Palermo Coelho, Fernando J. Von Zuben, and Romis R. de Faissol Attux. Multivariate ant colony optimization in continuous search spaces. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 9–16, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [61] Jesus Manuel de la Cruz, Eva Besada-Portas, Luis Torre-Cubillo, Bonifacio Andres-Toro, and Jose Antonio Lopez-Orozco. Evolutionary path planner for uavs in realistic environments. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1477–1484, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [62] Telma W. de Lima, Franz Rothlauf, and Alexandre C.B. Delbem. The node-depth encoding: analysis and application to the bounded-diameter minimum spanning tree problem. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 969–976, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [63] Luis de Marcos, José-Javier Martínez, and Jose-Antonio Gutierrez. Swarm intelligence in e-learning: a learning object sequencing agent based on competencies. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 17–24, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [64] Luis de Marcos, José-Javier Martínez, José-Antonio Gutierrez, Roberto Barchino, and José-María Gutiérrez. An evolutionary approach for competency-based curriculum sequencing. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1697–1698, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [65] Elton Bernardo Bandeira de Melo and Aluizio Fausto Ribeiro Araújo. Modeling ant colony foraging in dynamic and confined environment. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 169–176, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [66] Leonardo Bruno de Sá and Antonio Mesquita. Evolutionary synthesis of low-sensitivity equalizers using adjacency matrix representation. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth

Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1283–1290, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [67] Kalyanmoy Deb. A robust evolutionary framework for multi-objective optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 633–640, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [68] Travis Desell, Boleslaw Szymanski, and Carlos Varela. An asynchronous hybrid genetic-simplex search for modeling the milky way galaxy using volunteer computing. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 921–928, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [69] Rinku Dewri, Darrell Whitley, Indrakshi Ray, and Indrajit Ray. Evolution strategy based optimization of on-demand dependent data broadcast scheduling. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1699–1700, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [70] Martin Dietzfelbinger, Jonathan E. Rowe, Ingo Wegener, and Philipp Woelfel. Precision, local search and unimodal functions. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 771–778, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [71] Benjamin Doerr, Edda Happ, and Christian Klein. Crossover can provably be useful in evolutionary computation. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 539–546, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [72] Benjamin Doerr, Thomas Jansen, and Christian Klein. Comparing global and local mutations on bit strings. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 929–936, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [73] Eulanda M. Dos Santos, Luiz S. Oliveira, Robert Sabourin, and Patrick Maupin. Overfitting in the selection of classifier ensembles: a comparative study between pso and ga. In Maarten

- Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1423–1424, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [74] Eulanda M. Dos Santos, Robert Sabourin, and Patrick Maupin. Pareto analysis for the selection of classifier ensembles. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 681–688, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [75] Erik J. Dries and Gilbert L. Peterson. Scaling ant colony optimization with hierarchical reinforcement learning partitioning. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 25–32, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [76] Thyago S.P.C. Duque, David E. Goldberg, and Kumara Sastry. Improving the efficiency of the extended compact genetic algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 467–468, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [77] Michael G. Epitropakis, Vassilis P. Plagianakos, and Michael N. Vrahatis. Non-monotone differential evolution. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 527–528, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [78] Afshin Esmaeili and Christian Jacob. Evolution of discrete gene regulatory models. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 307–314, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [79] Jeong eun Lee, Mitsuo Gen, and Kyong gu Rhee. Designing a multistage reverse logistics network problem by hybrid genetic algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1707–1708, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [80] Carlos M. Fernandes, Cláudio Lima, and Agostinho C. Rosa. Umdas for dynamic optimization problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 399–406, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [81] Carlos M. Fernandes, J. J. Merelo, Vitorino Ramos, and Agostinho C. Rosa. A self-organized criticality mutation operator for dynamic optimization problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 937–944, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [82] Sergey V. Fogelson and Walter D. Potter. A formulation for the relative permittivity of water and steam to high temperatures and pressures evolved using genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1335–1336, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [83] Tobias Friedrich, Pietro S. Oliveto, Dirk Sudholt, and Carsten Witt. Theoretical analysis of diversity mechanisms for global exploration. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 945–952, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [84] José A. Gámez, Juan L. Mateo, and José M. Puerta. Improved edna (estimation of dependency networks algorithm) using combining function with bivariate probability distributions. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 407–414, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [85] Sadeesha Gamhewa and Philip F. Hingston. Testing parallelization paradigms for moeas. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 755–756, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [86] Beatriz García, Ricardo Aler, Agapito Ledezma, and Araceli Sanchis. Protein-protein functional association prediction using genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO*

'08: *Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 347–348, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [87] P. García-Sánchez, J. J. Merelo, J. P. Sevilla, J. L.J. Laredo, A. M. Mora, and P. A. Castillo. Automatic generation of xslt stylesheets using evolutionary algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1701–1702, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [88] Vahid Garousi. Empirical analysis of a genetic algorithm-based stress test technique. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1743–1750, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [89] Ben George, Stuart J. Gibson, Matthew I.S. Maylin, and Christopher J. Solomon. Efit-v -: interactive evolutionary strategy for the construction of photo-realistic facial composites. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1485–1490, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [90] Brian Mc Ginley, Fearghal Morgan, and Colm O’Riordan. Maintaining diversity through adaptive selection, crossover and mutation. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1127–1128, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [91] Paul M. Godley, David E. Cairns, Julie Cowie, Kevin M. Swingler, and John McCall. The effects of mutation and directed intervention crossover when applied to scheduling chemotherapy. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1105–1106, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [92] Adrien Goeffon, Macha Nikolski, and David J. Sherman. An efficient probabilistic population-based descent for the median genome problem. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 315–322, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [93] Heather J. Goldsby and Betty H.C. Cheng. Avida-mde: a digital evolution approach to generating models of adaptive software behavior. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S.

- Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1751–1758, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [94] Richard Gonçalves, Marco C. Goldberg, Elizabeth F. Goldberg, and Myriam R. Delgado. Warping search: a new metaheuristic applied to the protein structure prediction. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 349–350, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [95] Stan Gotshall and Terry Soule. Evolving stable behavior in a spino-neuromuscular system model. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 283–284, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [96] Laura M. Grabowski, Wesley R. Elsberry, Charles Ofria, and Robert T. Pennock. On the evolution of motility and intelligent tactic response. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 209–216, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [97] Casey S. Greene, Bill C. White, and Jason H. Moore. Using expert knowledge in initialization for genome-wide analysis of epistasis using genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 351–352, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [98] Christian Grimme, Joachim Lepping, and Alexander Papaspyrou. Discovering performance bounds for grid scheduling by using evolutionary multiobjective optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1491–1498, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [99] Gyorgy Gyurecz. Genetic algorithm in removing local nurbs surface irregularities using highlight lines. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1703–1704, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [100] Sascha Häckel, Marco Fischer, David Zechel, and Tobias Teich. A multi-objective ant colony approach for pareto-optimization using dynamic programming. In Maarten Keijzer, Giuliano

- Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 33–40, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [101] Yoshiko Hanada, Tomoyuki Hiroyasu, and Mitsunori Miki. Analysis of the performance of genetic multi-step search in interpolation and extrapolation domain. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1107–1108, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [102] Edda Happ, Daniel Johannsen, Christian Klein, and Frank Neumann. Rigorous analyses of fitness-proportional selection for optimizing linear functions. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 953–960, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [103] Nicholas E. Hardison, Theresa J. Fanelli, Scott M. Dudek, David M. Reif, Marylyn D. Ritchie, and Alison A. Motsinger-Reif. A balanced accuracy fitness function leads to robust analysis using grammatical evolution neural networks in the case of class imbalance. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 353–354, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [104] Isil Hasircioglu, Haluk Rahmi Topcuoglu, and Murat Ermis. 3-d path planning for the navigation of unmanned aerial vehicles by using evolutionary algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1499–1506, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [105] Ghada Hassan and Christopher D. Clack. Multiobjective robustness for portfolio optimization in volatile environments. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1507–1514, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [106] Mark W. Hauschild, Martin Pelikan, Kumara Sastry, and David E. Goldberg. Using previous models to bias structural learning in the hierarchical boa. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO*

'08: *Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 415–422, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [107] Arturo Hernández-Aguirre, Enrique Villa-Diharce, and Selma Barba-Moreno. An estimation distribution algorithm with the spearman's rank correlation index. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 469–470, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [108] J. Ignacio Hidalgo, José L. Risco-Martín, David Atienza, and Juan Lanchares. Analysis of multi-objective evolutionary algorithms to optimize dynamic data types in embedded systems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1515–1522, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [109] Yoshikazu Hirayama, Tim Clarke, and Julian Francis Miller. Fault tolerant control using cartesian genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1523–1530, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [110] Ekaterina A. Holdener and Daniel R. Tauritz. Learning offspring optimizing mate selection. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1109–1110, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [111] Tim Holmes and Johannes Zanker. Eye on the prize: using overt visual attention to drive fitness for interactive evolutionary computation. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1531–1538, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [112] Yi Hong, Sam Kwong, Hui Xiong, and Qingsheng Ren. Data clustering using virtual population based incremental learning algorithm with similarity matrix encoding strategy. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 471–472, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [113] Yi Hong, Sam Kwong, Hui Xiong, and Qingsheng Ren. Genetic-guided semi-supervised clustering algorithm with instance-level constraints. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S.

- Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1381–1388, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [114] Christian Horoba and Frank Neumann. Benefits and drawbacks for the use of epsilon-dominance in evolutionary multi-objective optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 641–648, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [115] Gerard D. Howard, Larry Bull, and Pier-Luca Lanzi. Self-adaptive constructivism in neural xcs and xcsf. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1389–1396, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [116] David Howden and Tim Hendtlass. Collective intelligence and bush fire spotting. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 41–48, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [117] Ting Hu and Wolfgang Banzhaf. Measuring rate of evolution in genetic programming using amino acid to synonymous substitution ratio ka/ks . In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1337–1338, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [118] David 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 Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 423–430, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [119] Hisao Ishibuchi, Noritaka Tsukamoto, Yasuhiro Hitotsuyanagi, and Yusuke Nojima. Effectiveness of scalability improvement attempts on the performance of nsga-ii for many-objective problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 649–656, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [120] Hisao Ishibuchi, Noritaka Tsukamoto, and Yusuke Nojima. Maintaining the diversity of solutions by non-geometric binary crossover: a worst one-max solver competition case study. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1111–1112, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [121] Jens Jägersküpper and Mike Preuss. Aiming for a theoretically tractable csa variant by means of empirical investigations. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 503–510, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [122] Antonio López Jaimes, Carlos A. Coello Coello, and Debrup Chakraborty. Objective reduction using a feature selection technique. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 673–680, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [123] Derek James. A comparison of speciation, extinction, and complexification in neuroevolution with and without selection pressure. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 529–530, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [124] Jiri Jaros and Vaclav Dvorak. An evolutionary design technique for collective communications on optimal diameter-degree networks. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1539–1546, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [125] Wojciech Jaśkowski, Krzysztof Krawiec, and Bartosz Wieloch. Fitnessless coevolution. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 355–362, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [126] Fei Jiang, Hugues Berry, and Marc Schoenauer. Unsupervised learning of echo state networks: balancing the double pole. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual*

conference on Genetic and evolutionary computation, pages 869–870, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [127] Johannes Jordan, Sabine Helwig, and Rolf Wanka. Social interaction in particle swarm optimization, the ranked fips, and adaptive multi-swarms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 49–56, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [128] na Jorge Pe' Theoretical and empirical study of particle swarms with additive stochasticity and different recombination operators. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 95–102, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [129] Bryant A. Julstrom. An evolutionary algorithm for some cases of the single-source constrained plant location problem. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 607–608, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [130] Jae-Yoon Jung and James A. Reggia. Nested evolution of an autonomous agent using descriptive encoding. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 285–286, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [131] Aranildo Rodrigues Lima Junior and Tiago Alessandro Espínola Ferreira. A hybrid method for tuning neural network for time series forecasting. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 531–532, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [132] Ratiba Kabli, John McCall, Frank Herrmann, and Eng Ong. Evolved bayesian networks as a versatile alternative to partin tables for prostate cancer management. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1547–1554, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [133] Yoshitaka Kameya, Junichi Kumagai, and Yoshiaki Kurata. Accelerating genetic programming by frequent subtree mining. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon,

- Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1203–1210, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [134] Hitoshi Kanoh and Kenta Hara. Hybrid genetic algorithm for dynamic multi-objective route planning with predicted traffic in a real-world road network. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 657–664, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [135] Yohannes Kassahun, Jose de Gea, Mark Edgington, Jan Hendrik Metzen, and Frank Kirchner. Accelerating neuroevolutionary methods using a kalman filter. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1397–1404, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [136] Ahmad Kattan and Riccardo Poli. Evolutionary lossless compression with gp-zip*. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1211–1218, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [137] Paul Kaufmann and Marco Platzner. Advanced techniques for the creation and propagation of modules in cartesian genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1219–1226, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [138] Robert E. Keller and Riccardo Poli. Subheuristic search and scalability in a hyperheuristic. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 609–610, Atlanta, GA, USA, 12–16 July 2008. ACM.
- [139] Arindam Khaled and Bryant A. Julstrom. Greedy heuristics and evolutionary algorithms for the bounded minimum-label spanning tree problem. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 611–612, Atlanta, GA, USA, 12–16 July 2008. ACM.

- [140] Namrata Khemka, Scott Novakowski, Gerald Hushlak, and Christian Jacob. Evolutionary design of dynamic swarmscapes. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 827–834, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [141] Mehrshad Khosraviani, Saadat Pour-Mozafari, and Mohammad Mehdi Ebadzadeh. Convergence analysis of quantum-inspired genetic algorithms with the population of a single individual. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1115–1116, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [142] Yong-Hyuk Kim. Linear transformation in pseudo-boolean functions. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1117–1118, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [143] A. D. Klamargias, K. E. Parsopoulos, Ph. D. Alevizos, and M. N. Vrahatis. Particle filtering with particle swarm optimization in systems with multiplicative noise. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 57–62, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [144] David B. Knoester, Philip K. McKinley, and Charles Ofria. Cooperative network construction using digital germlines. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 217–224, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [145] Shyam P. Kodali, Sunith Bandaru, K. Deb, Prabhat Munshi, and N. N. Kishore. Applicability of genetic algorithms to reconstruction of projected data from ultrasonic tomography. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1705–1706, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [146] Nate Kohl and Risto Miikkulainen. Evolving neural networks for fractured domains. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener,

editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1405–1412, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [147] Hidenori Komatsu, Yasuhiro Hashimoto, Yu Chen, and Hirotada Ohashi. An evolvability-enhanced artificial embryogeny for generating network structures. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 835–842, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [148] Taras Kowaliw. Measures of complexity for artificial embryogeny. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 843–850, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [149] Peter Krah. Towards efficient evolution of morphology and control. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 287–288, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [150] Johannes W. Kruisselbrink, Thomas Bäck, Ad P. IJzerman, and Eelke van der Horst. Evolutionary algorithms for automated drug design towards target molecule properties. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1555–1562, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [151] Rajeev Kumar, Ashwin H. Joshi, Krishna K. Banka, and Peter I. Rockett. Evolution of hyperheuristics for the biobjective 0/1 knapsack problem by multiobjective genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1227–1234, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [152] Rajeev Kumar, Paresh Tolay, and Siddharth Tiwary. Enhancing solution quality of the biobjective graph coloring problem using hybridization of ea: biobjective graph coloring problem. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 547–554, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [153] Kiran Lakhotia, Mark Harman, and Phil McMinn. Handling dynamic data structures in search based testing. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank

Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1759–1766, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [154] Antonio LaTorre, na José M. Pe Victor Robles, and Santiago Muelas. Using multiple offspring sampling to guide genetic algorithms to solve permutation problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1119–1120, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [155] Minh Nghia Le, Yew Soon Ong, and Quang Huy Nguyen. Optinformatics for schema analysis of binary genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1121–1122, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [156] Ryan Leigh, Justin Schonfeld, and Sushil J. Louis. Using coevolution to understand and validate game balance in continuous games. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1563–1570, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [157] Coromoto Leon, Gara Miranda, and Carlos Segura. Parallel hyperheuristic: a self-adaptive island-based model for multi-objective optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 757–758, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [158] Tony E. Lewis and George D. Magoulas. Tread: a new genetic programming representation aimed at research of long term complexity growth. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1339–1340, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [159] Cuimin Li, Tomoyuki Hiroyasu, and Mitsunori Miki. Stress-based crossover operator for structure topology optimization using small population size and variable length chromosome. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1341–1342, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [160] Zhenhua Li and Erik D. Goodman. A practical search index and population size analysis based on the building block hypothesis. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1123–1124, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [161] Peter Lichodziejewski and Malcolm I. Heywood. Managing team-based problem solving with symbiotic bid-based genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 363–370, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [162] Yow Tzu Lim, Pau Chen Cheng, Pankaj Rohatgi, and John Andrew Clark. Mls security policy evolution with genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1571–1578, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [163] Claudio F. Lima, Carlos Fernandes, and Fernando G. Lobo. Investigating restricted tournament replacement in ecga for non-stationary environments. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 439–446, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [164] Claudio F. Lima, Fernando G. Lobo, and Martin Pelikan. From mating pool distributions to model overfitting. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 431–438, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [165] Jiun-Jiue Liou and Ying ping Chen. Adaptive discretization on multidimensional continuous search spaces. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 977–984, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [166] Giovanni Lizarraga-Lizarraga, Arturo Hernandez-Aguirre, and Salvador Botello-Rionda. G-metric: an m-ary quality indicator for the evaluation of non-dominated sets. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan

Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 665–672, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [167] Giovanni Lizárraga-Lizárraga, Arturo Hernández-Aguirre, and Salvador Botello-Rionda. On the possibility to create a compatible–complete unary comparison method for evolutionary multiobjective algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 759–760, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [168] Xavier Llorà, Noriko Imafuji Yasui, and David E. Goldberg. Graph-theoretic measure for active igas: interaction sizing and parallel evaluation ensemble. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 985–992, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [169] Francisco Luna, César Estébanez, Coromoto León, José M. Chaves-González, Enrique Alba, Ricardo Aler, Carlos Segura, Miguel A. Vega-Rodríguez, Antonio J. Nebro, José M. Valls, Gara Miranda, and Juan A. Gómez-Pulido. Metaheuristics for solving a real-world frequency assignment problem in gsm networks. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1579–1586, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [170] Thibaut Lust. Speed-up techniques for solving large-scale btsp with the two-phase pareto local search. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 761–762, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [171] Shingo Mabu, Yan Chen, Etsushi Ohkawa, and Kotaro Hirasawa. Stock trading strategies by genetic network programming with flag nodes. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1709–1710, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [172] Paul E. MacNeil. Genetic algorithms and solutions of an interesting differential equation. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1711–1712, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [173] Parvaz Mahdabi, Saeed Jalili, and Mahdi Abadi. A multi-start quantum-inspired evolutionary algorithm for solving combinatorial optimization problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 613–614, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [174] Luis Martí, Jesús García, Antonio Berlanga, and José Manuel Molina. Introducing moneda: scalable multiobjective optimization with a neural estimation of distribution algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 689–696, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [175] Saúl Zapotecas Martínez and Carlos A. Coello Coello. Hybridizing an evolutionary algorithm with mathematical programming techniques for multi-objective optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 769–770, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [176] Flávio V.C. Martins, Eduardo G. Carrano, Elizabeth F. Wanner, and Ricardo H.C. Takahashi. The micro-genetic operator in the search of global trends. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1125–1126, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [177] Shouichi Matsui and Seiji Yamada. Optimizing hierarchical menus by genetic algorithm and simulated annealing. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1587–1594, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [178] Pedro P. Mayorga-Alvarez and Arturo Hernández-Aguirre. The directional eda for global optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 473–474, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [179] Nauman Mazhar and Muddassar Farooq. A sense of danger: dendritic cells inspired artificial immune system for manet security. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian

Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 63–70, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [180] Brian McGinley, Patrick Rocke, Fearghal Morgan, and John Maher. Reconfigurable analogue hardware evolution of adaptive spiking neural network controllers. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 289–290, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [181] Nicholas Freitag McPhee and Riccardo Poli. Memory with memory: soft assignment in genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1235–1242, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [182] Jan Hendrik Metzen, Frank Kirchner, Mark Edgington, and Yohannes Kassahun. Towards efficient online reinforcement learning using neuroevolution. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1425–1426, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [183] Silja Meyer-Nieberg and Hans-Georg Beyer. Why noise may be good: additive noise on the sharp ridge. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 511–518, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [184] Hans Jonas Fossum Moen and Stein Kristoffersen. Multi-resistant radar jamming using genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1595–1602, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [185] Marco A. Montes de Oca and Thomas Stützle. Convergence behavior of the fully informed particle swarm optimization algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 71–78, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [186] Antonio M. Mora García, Pedro A. Castillo Valdivieso, Juan J. Merelo Guervós, Eva Alfaro Cid, Anna I. Esparcia-Alcázar, and Ken Sharman. Discovering causes of financial distress by

- combining evolutionary algorithms and artificial neural networks. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1243–1250, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [187] Santiago Muelas, na José M. Pe Víctor Robles, and Antonio LaTorre. Voronoi-initialized island models for solving real-coded deceptive problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 993–1000, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [188] Gearoid Murphy and Conor Ryan. Exploiting the path of least resistance in evolution. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1251–1258, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [189] Mehran Najafi and Hamid Beigy. Using pca to improve evolutionary cellular automata algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1129–1130, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [190] Takehiko Nakama. Theoretical analysis of genetic algorithms in noisy environments based on a markov model. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1001–1008, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [191] André Neubauer. Theory of the simple genetic algorithm with α -selection. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1009–1016, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [192] Frank Neumann, Joachim Reichel, and Martin Skutella. Computing minimum cuts by randomized search heuristics. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 779–786, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [193] Quang Huy Nguyen, Yew Soon Ong, and Meng Hiot Lim. Non-genetic transmission of memes by diffusion. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1017–1024, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [194] John Nicholson and Mark White. Maintaining population diversity by maintaining family structures. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 533–534, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [195] Geoff Nitschke and Martijn Schut. Designing multi-rover emergent specialization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 233–240, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [196] Mehrdad Nojournian and Divya K. Nair. Comparing genetic algorithm and guided local search methods by symmetric tsp instances. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1131–1132, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [197] Robin Nunkesser. Analysis of a genetic programming algorithm for association studies. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1259–1266, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [198] Gabriela Ochoa, Marco Tomassini, Sébastien Vérel, and Christian Darabos. A study of nk landscapes' basins and local optima networks. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 555–562, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [199] Etsushi Ohkawa, Yan Chen, Shingo Mabu, Kaoru Shimada, and Kotaro Hirasawa. Varying portfolio construction of stocks using genetic network programming with control nodes. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo

Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1715–1716, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [200] Tomasz Michal Oliwa. Genetic algorithms and the abc music notation language for rock music composition. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1603–1610, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [201] David Oranchak. Evolutionary algorithm for decryption of monoalphabetic homophonic substitution ciphers encoded as constraint satisfaction problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1717–1718, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [202] Alberto Ochoa Ortíz, noz Zavala Angel E. Mu and Arturo Hernández Aguirre. A hybrid system using pso and data mining for determining the ranking of a new participant in eurovision. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1713–1714, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [203] Marek Ostaszewski, Pascal Bouvry, and Franciszek Seredynski. Denial of service detection and analysis using idiotypic networks paradigm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 79–86, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [204] Millie Pant, Radha Thangaraj, and Ajith Abraham. A new quantum behaved particle swarm optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 87–94, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [205] Gregor Papa. Parameter-less evolutionary search. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1133–1134, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [206] Gregory Paperin. Evolving sequence patterns for prediction of sub-cellular locations of eukaryotic proteins. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard,

- James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1135–1136, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [207] Taejin Park, Ri Choe, and Kwang Ryel Ryu. Dual-population genetic algorithm for nonstationary optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1025–1032, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [208] Joshua L. Payne and Margaret J. Eppstein. The influence of scaling and assortativity on takeover times in scale-free topologies. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 241–248, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [209] Gerulf K.M. Pedersen and Zhenyu Yang. Efficiency optimization of a multi-pump booster system. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1611–1618, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [210] Gerulf K.M. Pedersen and Zhenyu Yang. Estimation of pump-curves using genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1619–1626, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [211] Martin Pelikan, Katzgraber G. Helmut, and Sigismund Kobe. Finding ground states of sherrington-kirkpatrick spin glasses with hierarchical boa and genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 447–454, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [212] Martin Pelikan, Kumara Sastry, and David E. Goldberg. iboa: the incremental bayesian optimization algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 455–462, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [213] Jella Pfeiffer, Uli Golle, and Franz Rothlauf. Reference point based multi-objective evolutionary algorithms for group decisions. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon,

- Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 697–704, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [214] E. J. Solteiro Pires, Luís Mendes, P. B. de Moura Oliveira, J. A. Tenreiro Machado, N. M. Fonseca Ferreira, ao Vaz Jo and Maria Rosário. Single-objective front optimization: application to rf circuit design. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 765–766, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [215] Sandro Pirkwieser and Günther R. Raidl. Finding consensus trees by evolutionary, variable neighborhood search, and hybrid algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 323–330, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [216] Cristiano Grijó Pitangui and Gerson Zaverucha. Genetic local search for rule learning. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1427–1428, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [217] Clara Pizzuti. Community detection in social networks with genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1137–1138, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [218] Riccardo Poli and Nicholas Freitag McPhee. Parsimony pressure made easy. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1267–1274, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [219] Riccardo Poli, Nicholas Freitag McPhee, and Leonardo Vanneschi. Elitism reduces bloat in genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1343–1344, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [220] Riccardo Poli, Nicholas Freitag McPhee, and Leonardo Vanneschi. The impact of population size on code growth in gp: analysis and empirical validation. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1275–1282, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [221] Steffen Priesterjahn. Imitation-based evolution of artificial players in modern computer games. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1429–1430, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [222] Mohamed Qasem and Adam Prugel-Bennett. Complexity of max-sat using stochastic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 615–616, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [223] Juan C. Quiroz, Amit Banerjee, and Sushil J. Louis. Igap: interactive genetic algorithm peer to peer. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1719–1720, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [224] Adel Torkaman Rahmani and B. Hoda Helmi. Ein-wum: an ais-based algorithm for web usage mining. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 291–292, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [225] Adil Raja, R. Muhammad Atif Azad, Colin Flanagan, and Conor Ryan. Voip speech quality estimation in a mixed context with genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1627–1634, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [226] José A. Ramírez-Ruiz, Manuel Valenzuela-Rendón, and Hugo Terashima-Marín. A new approach to fuzzy lcsc in two-dimensional continuous multistep environment with continuous vector actions. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1433–1434, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [227] José Carlos Bregieiro Ribeiro, Mário Alberto Zenha-Rela, and Francisco Fernández de Vega. Strongly-typed genetic programming and purity analysis: input domain reduction for evolutionary testing problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1783–1784, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [228] José L. Risco-Martín, J. Ignacio Hidalgo, Juan Lanchares, and Oscar Garnica. Solving discrete deceptive problems with emmrs. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1139–1140, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [229] Francisco J. Romero-Campero, Hongqing Cao, Miguel Camara, and Natalio Krasnogor. Structure and parameter estimation for cell systems biology models. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 331–338, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [230] Cem Safak Sahin, Elkin Urrea, M. Umit Uyar, M. Conner, Ibrahim Hokelek, Michael Conner, Giorgio Bertoli, and Christian Pizzo. Genetic algorithms for self-spreading nodes in manets. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1141–1142, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [231] Muhammad Saleem, Syed Ali Khayam, and Muddassar Farooq. A formal performance modeling framework for bio-inspired ad hoc routing protocols. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 103–110, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [232] Amirali Salehi-Abari and Tony White. Enhanced generalized ant programming (egap). In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 111–118, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [233] Luis V. Santana-Quintero, Carlos A. Coello Coello, and Alfredo G. Hernandez-Diaz. Hybridizing surrogate techniques, rough sets and evolutionary algorithms to efficiently solve multi-objective optimization problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank

- Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 763–764, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [234] Shunsuke Saruwatari, Xavier Llorà, Noriko Imafuji Yasui, Hiroshi Tamura, Kumara Sastry, and David E. Goldberg. Speeding online synthesis via enforced selecto-recombination. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1635–1642, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [235] Yuji Sato, David Goldberg, and Kumara Sastry. Improving small population performance under noise with viral infection + tropism. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1143–1144, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [236] Yuji Sato, Ryosuke Suzuki, and Yosuke Akatsuka. Dependencies on player formation in event-driven hybrid learning classifier systems for soccer video games. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1721–1722, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [237] Oliver Schuetze, Carlos A. Coello Coello, Emilia Tantar, and El-Ghazali Talbi. Computing finite size representations of the set of approximate solutions of an mop with stochastic search algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 713–720, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [238] Oliver Schuetze, Gustavo Sanchez, and Carlos A. Coello Coello. A new memetic strategy for the numerical treatment of multi-objective optimization problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 705–712, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [239] Flavio Luiz Seixas, Luiz Satoru Ochi, Aura Conci, and Débora Muchaluat Saade. Image registration using genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1145–1146, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [240] Kisung Seo and Soohwan Hyun. Genetic programming based automatic gait generation for quadruped robots. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 293–294, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [241] Travis C. Service and Daniel R. Tauritz. Co-optimization algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 387–388, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [242] Travis C. Service and Daniel R. Tauritz. A no-free-lunch framework for coevolution. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 371–378, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [243] M. Zubair Shafiq, Syed Ali Khayam, and Muddassar Farooq. Improving accuracy of immune-inspired malware detectors by using intelligent features. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 119–126, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [244] Siddhartha Shakya and Roberto Santana. An eda based on local markov property and gibbs sampling. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 475–476, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [245] Deepak Sharma, Kalyanmoy Deb, and N. N. Kishore. A domain-specific crossover and a helper objective for generating minimum weight compliant mechanisms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1723–1724, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [246] Alan Sheahan and Conor Ryan. A transformation-based approach to static multiprocessor scheduling. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference*

on *Genetic and evolutionary computation*, pages 1041–1048, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [247] Min Shi. An empirical comparison of evolution and coevolution for designing artificial neural network game players. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 379–386, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [248] Ofer M. Shir, Jonathan Roslund, Thomas Baeck, and Herschel Rabitz. Performance analysis of derandomized evolution strategies in quantum control experiments. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 519–526, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [249] Christopher L. Simons and Ian C. Parmee. Agent-based support for interactive search in conceptual software engineering design. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1785–1786, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [250] Karel Slany. Branch predictor on-line evolutionary system. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1643–1648, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [251] James Smaldon, Jonathan Blakes, Natalio Krasnogor, and Doron Lancet. A multi-scaled approach to artificial life simulation with p systems and dissipative particle dynamics. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 249–256, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [252] Andy Song and Danny Fang. Robust method of detecting moving objects in videos evolved by genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1649–1656, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [253] Lee Spector, David M. Clark, Ian Lindsay, Bradford Barr, and Jon Klein. Genetic programming for finite algebras. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard,

- James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1291–1298, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [254] Patrick Stalph, Marc Ebner, Martin Michel, Bernd Pfaff, and Roland Benz. Multiobjective evolution of a fuzzy controller in a sewage treatment plant. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 535–536, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [255] Till Steiner, Yaochu Jin, and Bernhard Sendhoff. A cellular model for the evolutionary development of lightweight material with an inner structure. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 851–858, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [256] Wolfgang Steitz and Franz Rothlauf. Orientation matters: how to efficiently solve oost problems with problem-specific eas. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 563–570, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [257] Thomas Stibor. Discriminating self from non-self with finite mixtures of multivariate bernoulli distributions. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 127–134, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [258] Forrest Stonedahl, William Rand, and Uri Wilensky. Crossnet: a framework for crossover with network-based chromosomal representations. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1057–1064, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [259] Dirk Sudholt and Carsten Witt. Runtime analysis of binary pso. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 135–142, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [260] A.K.M. Khaled Ahsan Talukder, Michael Kirley, and Rajkumar Buyya. A pareto following variation operator for fast-converging multiobjective evolutionary algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 721–728, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [261] Ivan Tanev and Katsunori Shimohara. Co-evolution of active sensing and locomotion gaits of simulated snake-like robot. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 257–264, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [262] Francesc Teixidó-Navarro, Albert Orriols-Puig, and Ester Bernadó-Mansilla. Hierarchical evolution of linear regressors. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1413–1420, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [263] 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 Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 571–578, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [264] Santosh Tiwari, Patrick Koch, Georges Fadel, and Kalyanmoy Deb. Amga: an archive-based micro genetic algorithm for multi-objective optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 729–736, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [265] Fubito Toyama, Kenji Shoji, and Juichi Miyamichi. An iterated greedy algorithm for the node placement problem in bidirectional manhattan street networks. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 579–584, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [266] Stanis Trendelenburg, Joachim Becker, Fabian Henrici, and Yiannos Manoli. A gp algorithm for efficient synthesis of gm-c filters on a hexagonal fpaa structure. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara

- Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 295–296, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [267] Luigi Troiano, Cosimo Birtolo, and Maria Miranda. Adapting palettes to color vision deficiencies by genetic algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1065–1072, Atlanta, GA, USA, 12-16 July 2008. ACM.
 - [268] Nathaniel P. Troutman, Brent E. Eskridge, and Dean F. Hougen. Is "best-so-far" a good algorithmic performance metric? In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1147–1148, Atlanta, GA, USA, 12-16 July 2008. ACM.
 - [269] Leonardo Trujillo, Gustavo Olague, Evelyne Lutton, and Francisco Fernández de Vega. Behavior-based speciation for evolutionary robotics. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 297–298, Atlanta, GA, USA, 12-16 July 2008. ACM.
 - [270] Leonardo Trujillo, Gustavo Olague, Evelyne Lutton, and Francisco Fernández de Vega. Multiobjective design of operators that detect points of interest in images. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1299–1306, Atlanta, GA, USA, 12-16 July 2008. ACM.
 - [271] Miwako Tsuji, Masaharu Munetomo, and Kiyoshi Akama. Empirical investigations on parallel competent genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1073–1080, Atlanta, GA, USA, 12-16 July 2008. ACM.
 - [272] Gunnar Tufte. Phenotypic, developmental and computational resources: scaling in artificial development. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 859–866, Atlanta, GA, USA, 12-16 July 2008. ACM.
 - [273] Chris J. Turner, Ashutosh Tiwari, and Jorn Mehnen. A genetic programming approach to business process mining. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon,

- Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1307–1314, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [274] Tamara Ulrich, Dima Brockhoff, and Eckart Zitzler. Pattern identification in pareto-set approximations. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 737–744, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [275] Ryan J. Urbanowicz, Nate Barney, Bill C. White, and Jason H. Moore. Mask functions for the symbolic modeling of epistasis using genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 339–346, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [276] Onay Urfalioglu, Ahmet Enis Cetin, and Ercan Engin Kuruoglu. Levy walk evolution for global optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 537–538, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [277] Sergio Iván Valdez, Arturo Hernandez-Aguirre, and Salvador Botello-Rionda. Designing edas by using the elitist convergent eda concept and the boltzmann distribution. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 477–478, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [278] Vinod K. Valsalam and Risto Miikkulainen. Modular neuroevolution for multilegged locomotion. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 265–272, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [279] D. W. F. van Krevelen and G. S. Nitschke. Neuro-evolution for a gathering and collective construction task. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 225–232, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [280] Sebastian von Mammen and Christian Jacob. Evolutionary swarm design of architectural idea models. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 143–150, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [281] Srinivasa Shivakar Vulli and Sanjeev Agarwal. Individual-based artificial ecosystems for design and optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 273–280, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [282] Neal Wagner and Zbigniew Michalewicz. An analysis of adaptive windowing for time series forecasting in dynamic environments: further tests of the dyfor gp model. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1657–1664, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [283] Yan Wang, Zhiwen Bai, Miao Zhang, Wen Du, Ying Qin, and Xiyang Liu. Fitness calculation approach for the switch-case construct in evolutionary testing. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1767–1774, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [284] Elizabeth F. Wanner, Eduardo G. Carrano, and Ricardo H.C. Takahashi. Coordinate change operators for genetic algorithms. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1149–1150, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [285] David C. Wedge and Douglas B. Kell. Rapid prediction of optimum population size in genetic programming using a novel genotype -: fitness correlation. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1315–1322, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [286] Thomas Weise, Stefan Niemczyk, Hendrik Skubch, Roland Reichle, and Kurt Geihs. A tunable model for multi-objective, epistatic, rugged, and neutral fitness landscapes. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener,

editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 795–802, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [287] Feng Wen, Xiaohao Gao, and Mitsuo Gen. A novel approach to route selection in car navigation systems by a multiobjective genetic algorithm. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 767–768, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [288] Dennis Weyland. Simulated annealing, its parameter settings and the longest common subsequence problem. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 803–810, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [289] James M. Whitacre, Hussein A. Abbass, Ruhul Sarker, Axel Bender, and Stephen Baker. Strategic positioning in tactical scenario planning. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1081–1088, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [290] David R. White, John Clark, Jeremy Jacob, and Simon M. Poulding. Searching for resource-efficient programs: low-power pseudorandom number generators. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1775–1782, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [291] Tony White and Amirali Salehi-Abari. A swarm-based crossover operator for genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1345–1346, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [292] Darrell Whitley and Jonathan Rowe. Focused no free lunch theorems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 811–818, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [293] Darrell Whitley, Andrew M. Sutton, and Adele E. Howe. Understanding elementary landscapes. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev

- Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 585–592, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [294] Upali K. Wickramasinghe and Xiaodong Li. Integrating user preferences with particle swarms for multi-objective optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 745–752, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [295] Gayan Wijesinghe and Vic Ciesielski. Experiments with indexed for-loops in genetic programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1347–1348, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [296] Amy Willis, Suneer Patel, and Christopher D. Clack. Gp age-layer and crossover effects in bid-offer spread prediction. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1665–1672, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [297] Stephan M. Winkler, Michael Affenzeller, and Stefan Wagner. Fine-grained population diversity estimation for genetic programming based structure identification. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1435–1436, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [298] Shelly Xiaonan Wu and Wolfgang Banzhaf. Combatting financial fraud: a coevolutionary anomaly detection approach. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1673–1680, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [299] Huayang Xie, Mengjie Zhang, Peter Andreae, and Mark Johnson. An analysis of multi-sampled issue and no-replacement tournament selection. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1323–1330, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [300] Wei Yan, Martin D. Sewell, and Christopher D. Clack. Learning to optimize profits beats predicting returns -: comparing techniques for financial portfolio optimisation. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1681–1688, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [301] Liping Yang, Houkuan Huang, and Yabin Liu. A coevolution archive based on problem dimension. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 389–390, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [302] Hsin yi Jiang and Carl K. Chang. Deriving evaluation metrics for applicability of genetic algorithms to optimization problems. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1113–1114, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [303] Or Yorgev, Andrew A. Shapiro, and Erik K. Antonsson. Growth control and disease mechanisms in computational embryogeny. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 871–872, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [304] Or Yorgev, Andrew A. Shapiro, and Erik K. Antonsson. Modularity and symmetry in computational embryogeny. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1151–1152, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [305] Yourim Yoon, Yong-Hyuk Kim, and Byung-Ro Moon. Feasibility-preserving crossover for maximum k-coverage problem. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 593–598, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [306] Han Yu. Optimizing task schedules using an artificial immune system approach. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener,

editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 151–158, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [307] Tian-Li Yu and Wei-Kai Lin. Optimal sampling of genetic algorithms on polynomial regression. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1089–1096, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [308] Maider Zamalloa, Luis Javier Rodriguez-Fuentes, nagarikano Mikel Pe Germán Bordel, and Juan Pedro Uribe. Comparing genetic algorithms to principal component analysis and linear discriminant analysis in reducing feature dimensionality for speaker recognition. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1153–1154, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [309] Junqi Zhang, Kun Liu, Ying Tan, and Xingui He. Allocation of local and global search capabilities of particle in canonical pso. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 165–166, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [310] Junqi Zhang, Kun Liu, Ying Tan, and Xingui He. Magnifier particle swarm optimization for numerical optimization. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 167–168, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [311] Kejun Zhang, Shouqian Sun, and Hongzong Si. Prediction of retention times for a large set of pesticides based on improved gene expression programming. In Maarten Keijzer, Giuliano Antoniol, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Nikolaus Hansen, John H. Holmes, Gregory S. Hornby, Daniel Howard, James Kennedy, Sanjeev Kumar, Fernando G. Lobo, Julian Francis Miller, Jason Moore, Frank Neumann, Martin Pelikan, Jordan Pollack, Kumara Sastry, Kenneth Stanley, Adrian Stoica, El-Ghazali Talbi, and Ingo Wegener, editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pages 1725–1726, Atlanta, GA, USA, 12-16 July 2008. ACM.