

## Список литературы

- [Abbass 08] Hussein A. Abbass, Axel Bender, Hai Huong Dam, Stephen Baker, James Whitacre & 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 & 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.
- [Abraham 08] Ajith Abraham, Arijit Biswas, Swagatam Das & Sambarta Dasgupta. *Design of fractional order PID $\mu$  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 & 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.
- [Agapitos 08a] Alexandros Agapitos, Matthew Dyson, Jenya Kovalchuk & 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 & 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.
- [Agapitos 08b] Alexandros Agapitos, Matthew Dyson, Simon M. Lucas & 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 & 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.
- [Ahmadi 08] Abbas Ahmadi, Fakhri Karray & 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 & 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.
- [Akimoto 08] Youhei Akimoto, Jun Sakuma, Isao Ono & 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 & 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.

[Alba 08a] Enrique Alba & 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 & 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.

[Alba 08b] Enrique Alba, Francisco Chicano, Marco Ferreira & 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 & 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.

[Aranha 08] Claus C. Aranha & 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 & 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.

[Araujo 08] Ricardo M. Araujo & 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 & 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.

[Ataka 08] Shinichiro Ataka & 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 & Ingo Wegener,

editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1689–1690, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Augusto 08]

Douglas A. Augusto, Helio J.C. Barbosa & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1171–1178, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Avigad 08a]

Gideon Avigad & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 617–624, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Avigad 08b]

Gideon Avigad & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 753–754, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Awais 08]

Aliya Awais, Muddassar Farooq & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 161–162, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Bacardit 08]

Jaume Bacardit & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1421–1422, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [Bader-El-Den 08] Mohamed Bahy Bader-El-Den & 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 & 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.
- [Bai 08] Linge Bai, Manolya Eyiurekli & 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 & 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.
- [Barate 08] Renaud Barate & 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 & 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.
- [Barkat Ullah 08] Abu S. S. M. Barkat Ullah, Ruhul Sarker & 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 & 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.
- [Barlow 08] Gregory J. Barlow, Choong K. Oh & 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 & 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.
- [Beckmann 08] Benjamin E. Beckmann, Philip K. McKinley & 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 & 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.
- [Berenboym 08] Igor Berenboym & 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 & 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.
- [Bergmann 08] Karel P. Bergmann, Renate Scheidler & 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 & 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.
- [Beyer 08] Hans-Georg Beyer & 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 & 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.
- [Bhatt 08] Anurag Bhatt, Pratul Varshney & 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 & 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.
- [Bin Azhar 08] M.A. Hannan Bin Azhar, Farzin Deravi & 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 & 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.

- [Binard 08] Franck Binard & 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 & 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.
- [Borenstein 08] Yossi Borenstein, Nazaraf Shah, Edward Tsang, Raphaël Dorne, Abdullah Alsheddy & 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 & 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.
- [Borgulya 08] 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 & 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.
- [Bornhofen 08] Stefan Bornhofen & 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 & 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.
- [Borschbach 08] M. Borschbach & 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 & 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.
- [Breukelaar 08] Ron Breukelaar & 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 & 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.

[Brownlee 08a]

Alexander E.I. Brownlee, Martin Pelikan, John A.W. McCall & 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 & 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.

[Brownlee 08b]

Alexander E.I. Brownlee, Yanghui Wu, John A.W. McCall, Paul M. Godley, David E. Cairns & 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 & 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.

[Butz 08a]

Martin V. Butz & 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 & 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.

[Butz 08b]

Martin V. Butz, Pier Luca Lanzi, Xavier Llorà & 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 & 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.

[Butz 08c]

Martin V. Butz, Patrick Stalph & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1365–1372, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Caamano 08]

P. Caamano, F. Bellas, J. A. Becerra & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 495–502, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Campbell 08]

Adam Campbell, Annie S. Wu & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 201–208, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Carrano 08]

Eduardo G. Carrano, Ricardo H.C. Takahashi & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 897–904, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Castillo 08]

P. A. Castillo, G. Fernández, A. Mora, J. J. Merelo, J. L. Bernier & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1103–1104, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Cerny 08]

Brian M. Cerny, Peter C. Nelson & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1195–1202, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Cervantes 08]

Jorge Cervantes & 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 & 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.

[Chen 08]

Yan Chen, Shingo Mabu, Kaoru Shimada & 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 & 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.

[Chira 08]

Camelia Chira, D. Dumitrescu & 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 & 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.

[Chow 08]

Rick Chow, Wei Zhong, Michael Blackmon, Richard Stolz & 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 & 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.

[Chuang 08]

Chung-Yao Chuang & 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 & 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.

[Ciesielski 08]

Vic Ciesielski, Nelson Wu & 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 & 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.

[Clayton 08]

Thomas F. Clayton, Leena N. Patel, Gareth Leng, Alan F. Murray & 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 & 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.

[Clegg 08]

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 & 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.

[Clune 08]

Jeff Clune, Charles Ofria & 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 & 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.

[Cussat-Blanc 08]

Sylvain Cussat-Blanc, Fabien Viale, Herve Luga, Yves Duthen & 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 & 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.

[DaCosta 08]

Luis DaCosta, Alvaro Fialho, Marc Schoenauer & 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 & 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.

[D'Ambrosio 08]

David B. D'Ambrosio & 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 & 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.

[Das 08]

Sanjoy Das, Praveen Koduru, Xinye Cai, Stephen Welch & 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 & 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.

[Dasgupta 08]

Sambarta Dasgupta, Arijit Biswas, Swagatam Das & 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 & 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.

[Datta 08]

Dilip Datta, Jose Rui Figueira, Carlos M. Fonseca & 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 & 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.

[David-Tabibi 08]

Omid David-Tabibi, Moshe Koppel & 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 & 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.

[de Franca 08]

Fabricio Olivetti de Franca, Guilherme Palermo Coelho, Fernando J. Von Zuben & 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 & 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.

[de la Cruz 08]

Jesus Manuel de la Cruz, Eva Besada-Portas, Luis Torre-Cubillo, Bonifacio Andres-Toro & 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 & 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.

[de Lima 08]

Telma W. de Lima, Franz Rothlauf & 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 & 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.

[de Marcos 08a]

Luis de Marcos, José-Javier Martínez & 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 & 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.

[de Marcos 08b]

Luis de Marcos, José-Javier Martínez, José-Antonio Gutierrez, Roberto Barchino & 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 & 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.

[de Melo 08]

Elton Bernardo Bandeira de Melo & 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 & 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.

[de Sá 08]

Leonardo Bruno de Sá & 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 & 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.

[Deb 08]

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 & 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.

[Desell 08]

Travis Desell, Boleslaw Szymanski & Carlos Varella. *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 & 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.

[Dewri 08]

Rinku Dewri, Darrell Whitley, Indrakshi Ray & 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 & 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.

[Dietzfelbinger 08]

Martin Dietzfelbinger, Jonathan E. Rowe, Ingo Wegener & 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 & 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.

[Doerr 08a]

Benjamin Doerr, Edda Happ & 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 & 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.

[Doerr 08b]

Benjamin Doerr, Thomas Jansen & 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 & 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.

[Dos Santos 08a]

Eulanda M. Dos Santos, Luiz S. Oliveira, Robert Sabourin & 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 & 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.

[Dos Santos 08b]

Eulanda M. Dos Santos, Robert Sabourin & 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 & 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.

[Dries 08]

Erik J. Dries & 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 & 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.

[Duque 08]

Thyago S.P.C. Duque, David E. Goldberg & 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 & Ingo Wegener,

editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 467–468, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [Epitropakis 08] Michael G. Epitropakis, Vassilis P. Plagianakos & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 527–528, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Esmaeili 08] Afshin Esmaeili & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 307–314, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [eun Lee 08] Jeong eun Lee, Mitsuo Gen & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1707–1708, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Fernandes 08a] Carlos M. Fernandes, Cláudio Lima & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 399–406, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Fernandes 08b] Carlos M. Fernandes, J. J. Merelo, Vitorino Ramos & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 937–944, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Fogelson 08] Sergey V. Fogelson & 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 & 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.
- [Friedrich 08] Tobias Friedrich, Pietro S. Oliveto, Dirk Sudholt & 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 & 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.
- [Gámez 08] José A. Gámez, Juan L. Mateo & 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 & 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.
- [Gamhewa 08] Sadeesha Gamhewa & 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 & 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.
- [García-Sánchez 08] P. García-Sánchez, J. J. Merelo, J. P. Sevilla, J. L.J. Laredo, A. M. Mora & 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 & 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.
- [Garcia 08] Beatriz Garcia, Ricardo Aler, Agapito Ledezma & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 347–348, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [Garousi 08] 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1743–1750, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [George 08] Ben George, Stuart J. Gibson, Matthew I.S. Maylin & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1485–1490, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Ginley 08] Brian Mc Ginley, Fearghal Morgan & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1127–1128, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Godley 08] Paul M. Godley, David E. Cairns, Julie Cowie, Kevin M. Swingle & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1105–1106, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Goeffon 08] Adrien Goeffon, Macha Nikolski & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 315–322, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [Goldsby 08] Heather J. Goldsby & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1751–1758, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Gonçalves 08] Richard Gonçalves, Marco C. Goldberg, Elizabeth F. Goldberg & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 349–350, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Gotshall 08] Stan Gotshall & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 283–284, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Grabowski 08] Laura M. Grabowski, Wesley R. Elsberry, Charles Ofria & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 209–216, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Greene 08] Casey S. Greene, Bill C. White & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 351–352, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Grimme 08] Christian Grimme, Joachim Lepping & 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 & 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.

[Gyurecz 08]

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 & 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.

[Häckel 08]

Sascha Häckel, Marco Fischer, David Zechel & 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 & 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.

[Hanada 08]

Yoshiko Hanada, Tomoyuki Hiroyasu & 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 & 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.

[Happ 08]

Edda Happ, Daniel Johannsen, Christian Klein & 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 & 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.

[Hardison 08]

Nicholas E. Hardison, Theresa J. Fanelli, Scott M. Dudek, David M. Reif, Marylyn D. Ritchie & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 353–354, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Hasircioglu 08]

Isil Hasircioglu, Haluk Rahmi Topcuoglu & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1499–1506, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Hassan 08]

Ghada Hassan & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1507–1514, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Hauschild 08]

Mark W. Hauschild, Martin Pelikan, Kumara Sastry & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 415–422, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Hernández-Aguirre 08]

Arturo Hernández-Aguirre, Enrique Villa-Diharce & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 469–470, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Hidalgo 08]

J. Ignacio Hidalgo, José L. Risco-Martín, David Atienza & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1515–1522, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [Hirayama 08] Yoshikazu Hirayama, Tim Clarke & 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 & 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.
- [Holdener 08] Ekaterina A. Holdener & 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 & 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.
- [Holmes 08] Tim Holmes & 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 & 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.
- [Hong 08a] Yi Hong, Sam Kwong, Hui Xiong & 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 & 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.
- [Hong 08b] Yi Hong, Sam Kwong, Hui Xiong & 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 & 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.
- [Horoba 08] Christian Horoba & 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 & 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.

[Howard 08]

Gerard D. Howard, Larry Bull & 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 & 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.

[Howden 08]

David Howden & 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 & 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.

[Hu 08]

Ting Hu & 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 & 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.

[Iclanzan 08]

David Iclanzan & 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 & 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.

[Ishibuchi 08a]

Hisao Ishibuchi, Noritaka Tsukamoto, Yasuhiro Hitotsuyanagi & 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 & Ingo Wegener,

editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 649–656, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Ishibuchi 08b]

Hisao Ishibuchi, Noritaka Tsukamoto & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1111–1112, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Jägersküpper 08]

Jens Jägersküpper & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 503–510, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Jaimes 08]

Antonio López Jaimes, Carlos A. Coello Coello & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 673–680, Atlanta, GA, USA, 12-16 July 2008. ACM.

[James 08]

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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 529–530, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Jaros 08]

Jiri Jaros & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1539–1546, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [Jaśkowski 08] Wojciech Jaśkowski, Krzysztof Krawiec & 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 & 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.
- [Jiang 08] Fei Jiang, Hugues Berry & 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 & 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.
- [Jordan 08] Johannes Jordan, Sabine Helwig & 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 & 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.
- [Jorge Peñ8] na Jorge Peñ. *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 & 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.
- [Julstrom 08] 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 & 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.
- [Jung 08] Jae-Yoon Jung & 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 & 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.

[Junior 08]

Aranildo Rodrigues Lima Junior & 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 & 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.

[Kabli 08]

Ratiba Kabli, John McCall, Frank Herrmann & 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 & 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.

[Kameya 08]

Yoshitaka Kameya, Junichi Kumagai & 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 & 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.

[KanoH 08]

Hitoshi KanoH & 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 & 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.

[Kassahun 08]

Yohannes Kassahun, Jose de Gea, Mark Edgington, Jan Hendrik Metzen & 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 & 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.

- [Kattan 08] Ahmad Kattan & 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 & 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.
- [Kaufmann 08] Paul Kaufmann & 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 & 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.
- [Keller 08] Robert E. Keller & 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 & 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.
- [Khaled 08] Arindam Khaled & 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 & 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.
- [Khemka 08] Namrata Khemka, Scott Novakowski, Gerald Hushlak & 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 & 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.
- [Khosraviani 08] Mehrshad Khosraviani, Saadat Pour-Mozafari & 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 & 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.

[Kim 08] 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 & 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.

[Klamargias 08] A. D. Klamargias, K. E. Parsopoulos, Ph. D. Alevizos & 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 & 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.

[Knoester 08] David B. Knoester, Philip K. McKinley & 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 & 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.

[Kodali 08] Shyam P. Kodali, Sunith Bandaru, K. Deb, Prabhat Munshi & 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 & 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.

[Kohl 08] Nate Kohl & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1405–1412, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Komatsu 08]

Hidenori Komatsu, Yasuhiro Hashimoto, Yu Chen & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 835–842, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Kowaliw 08]

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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 843–850, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Krah 08]

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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 287–288, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Kruisselbrink 08]

Johannes W. Kruisselbrink, Thomas Bäck, Ad P. IJzerman & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1555–1562, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Kumar 08a]

Rajeev Kumar, Ashwin H. Joshi, Krishna K. Banka & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1227–1234, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Kumar 08b]

Rajeev Kumar, Paresh Tolay & 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 & 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.
- [Lakhotia 08] Kiran Lakhotia, Mark Harman & 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 & 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.
- [LaTorre 08] Antonio LaTorre, na José M. Pe Victor Robles & 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 & 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.
- [Le 08] Minh Nghia Le, Yew Soon Ong & 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 & 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.
- [Leigh 08] Ryan Leigh, Justin Schonfeld & 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 & 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.
- [Leon 08] Coromoto Leon, Gara Miranda & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 757–758, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Lewis 08]

Tony E. Lewis & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1339–1340, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Li 08a]

Cuimin Li, Tomoyuki Hiroyasu & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1341–1342, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Li 08b]

Zhenhua Li & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1123–1124, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Lichodziejewski 08]

Peter Lichodziejewski & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 363–370, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Lim 08]

Yow Tzu Lim, Pau Chen Cheng, Pankaj Rohatgi & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1571–1578, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [Lima 08a] Claudio F. Lima, Carlos Fernandes & 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 & 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.
- [Lima 08b] Claudio F. Lima, Fernando G. Lobo & 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 & 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.
- [Liou 08] Jiun-Jiue Liou & 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 & 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.
- [Lizarraga-Lizarraga 08a] Giovanni Lizarraga-Lizarraga, Arturo Hernandez-Aguirre & 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 & 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.
- [Lizárraga-Lizárraga 08b] Giovanni Lizárraga-Lizárraga, Arturo Hernández-Aguirre & 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 & 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.
- [Llorà 08] Xavier Llorà, Noriko Imafuji Yasui & 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 & 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.

[Luna 08]

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 & 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 & 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.

[Lust 08]

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 & 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.

[Mabu 08]

Shingo Mabu, Yan Chen, Etsushi Ohkawa & 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 & 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.

[MacNeil 08]

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 & 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.

[Mahdabi 08]

Parvaz Mahdabi, Saeed Jalili & 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 & 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.

[Martí 08]

Luis Martí, Jesús García, Antonio Berlanga & 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 & 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.

[Martínez 08]

Saúl Zapotecas Martínez & 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 & 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.

[Martins 08]

Flávio V.C. Martins, Eduardo G. Carrano, Elizabeth F. Wanner & 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 & 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.

[Matsui 08]

Shouichi Matsui & 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 & 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.

[Mayorga-Alvarez 08]

Pedro P. Mayorga-Alvarez & 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 & 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.

- [Mazhar 08] Nauman Mazhar & 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 & 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.
- [McGinley 08] Brian McGinley, Patrick Rocke, Fearghal Morgan & 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 & 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.
- [McPhee 08] Nicholas Freitag McPhee & 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 & 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.
- [Metzen 08] Jan Hendrik Metzen, Frank Kirchner, Mark Edgington & 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 & 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.
- [Meyer-Nieberg 08] Silja Meyer-Nieberg & 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 & 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.
- [Moen 08] Hans Jonas Fossum Moen & 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 & 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.

[Montes de Oca 08]

Marco A. Montes de Oca & 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 & 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.

[Mora García 08]

Antonio M. Mora García, Pedro A. Castillo Valdivieso, Juan J. Merelo Guervós, Eva Alfaro Cid, Anna I. Esparcia-Alcázar & 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 & 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.

[Muelas 08]

Santiago Muelas, na José M. Pe Víctor Robles & 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 & 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.

[Murphy 08]

Gearoid Murphy & 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 & 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.

[Najafi 08]

Mehran Najafi & 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 & 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.

- [Nakama 08] 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 & 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.
- [Neubauer 08] André Neubauer. *Theory of the simple genetic algorithm with  $\alpha$ -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 & 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.
- [Neumann 08] Frank Neumann, Joachim Reichel & 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 & 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.
- [Nguyen 08] Quang Huy Nguyen, Yew Soon Ong & 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 & 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.
- [Nicholson 08] John Nicholson & 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 & 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.
- [Nitschke 08] Geoff Nitschke & 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 & 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.

- [Nojournian 08] Mehrdad Nojournian & 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 & 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.
- [Nunkesser 08] 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 & 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.
- [Ochoa 08] Gabriela Ochoa, Marco Tomassini, Sébastien Vérel & 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 & 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.
- [Ohkawa 08] Etsushi Ohkawa, Yan Chen, Shingo Mabu, Kaoru Shimada & 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 & 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.
- [Oliwa 08] 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 & 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.
- [Oranchak 08] 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 & 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.

[Ortíz 08]

Alberto Ochoa Ortíz, noz Zavala Angel E. Mu & 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 & 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.

[Ostaszewski 08]

Marek Ostaszewski, Pascal Bouvry & 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 & 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.

[Pant 08]

Millie Pant, Radha Thangaraj & 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 & 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.

[Papa 08]

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 & 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.

[Paperin 08]

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 & 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.

- [Park 08] Taejin Park, Ri Choe & 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 & 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.
- [Payne 08] Joshua L. Payne & 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 & 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.
- [Pedersen 08a] Gerulf K.M. Pedersen & 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 & 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.
- [Pedersen 08b] Gerulf K.M. Pedersen & 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 & 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.
- [Pelikan 08a] Martin Pelikan, Katzgraber G. Helmut & Sigismund Kobe. *Finding ground states of Sherrington-Kirkpatrick spin glasses with hierarchical boia 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 & 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.
- [Pelikan 08b] Martin Pelikan, Kumara Sastry & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 455–462, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Pfeiffer 08]

Jella Pfeiffer, Uli Golle & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 697–704, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Pires 08]

E. J. Solteiro Pires, Luís Mendes, P. B. de Moura Oliveira, J. A. Tenreiro Machado, N. M. Fonseca Ferreira, ao Vaz Jo & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 765–766, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Pirkwieser 08]

Sandro Pirkwieser & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 323–330, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Pitangui 08]

Cristiano Grijó Pitangui & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1427–1428, Atlanta, GA, USA, 12-16 July 2008. ACM.

[Pizzuti 08]

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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1137–1138, Atlanta, GA, USA, 12-16 July 2008. ACM.



- [Poli 08a] Riccardo Poli & 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 & 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.
- [Poli 08b] Riccardo Poli, Nicholas Freitag McPhee & 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 & 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.
- [Poli 08c] Riccardo Poli, Nicholas Freitag McPhee & 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 & 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.
- [Priesterjahn 08] 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 & 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.
- [Qasem 08] Mohamed Qasem & 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 & 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.
- [Quiroz 08] Juan C. Quiroz, Amit Banerjee & 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 & 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.

[Rahmani 08]

Adel Torkaman Rahmani & 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 & 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.

[Raja 08]

Adil Raja, R. Muhammad Atif Azad, Colin Flanagan & 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 & 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.

[Ramírez-Ruiz 08]

José A. Ramírez-Ruiz, Manuel Valenzuela-Rendón & Hugo Terashima-Marín. *A new approach to fuzzy LCSs 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 & 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.

[Ribeiro 08]

José Carlos Bregieiro Ribeiro, Mário Alberto Zenha-Rela & 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 & 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.

[Risco-Martín 08]

José L. Risco-Martín, J. Ignacio Hidalgo, Juan Lanchares & 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 & 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.

- [Romero-Campero 08] Francisco J. Romero-Campero, Hongqing Cao, Miguel Camara & 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 & 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.
- [Sahin 08] Cem Safak Sahin, Elkin Urrea, M. Umit Uyar, M. Conner, Ibrahim Hokelek, Michael Conner, Giorgio Bertoli & 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 & 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.
- [Saleem 08] Muhammad Saleem, Syed Ali Khayam & 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 & 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.
- [Salehi-Abari 08] Amirali Salehi-Abari & 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 & 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.
- [Santana-Quintero 08] Luis V. Santana-Quintero, Carlos A. Coello Coello & 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 & 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.
- [Saruwatari 08] Shunsuke Saruwatari, Xavier Llorca, Noriko Imafuji Yasui, Hiroshi Tamura, Kumara Sastry & 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 & 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.
- [Sato 08a] Yuji Sato, David Goldberg & 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 & 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.
- [Sato 08b] Yuji Sato, Ryosuke Suzuki & 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 & 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.
- [Schuetze 08a] Oliver Schuetze, Carlos A. Coello Coello, Emilia Tantar & 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 & 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.
- [Schuetze 08b] Oliver Schuetze, Gustavo Sanchez & 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 & 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.
- [Seixas 08] Flavio Luiz Seixas, Luiz Satoru Ochi, Aura Conci & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1145–1146, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [Seo 08] Kisung Seo & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 293–294, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Service 08a] Travis C. Service & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 387–388, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Service 08b] Travis C. Service & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 371–378, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Shafiq 08] M. Zubair Shafiq, Syed Ali Khayam & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 119–126, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Shakya 08] Siddhartha Shakya & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 475–476, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Sharma 08] Deepak Sharma, Kalyanmoy Deb & 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 & 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.

[Sheahan 08]

Alan Sheahan & 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 & 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.

[Shi 08]

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 & 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.

[Shir 08]

Ofer M. Shir, Jonathan Roslund, Thomas Baeck & 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 & 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.

[Simons 08]

Christopher L. Simons & 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 & 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.

[Slany 08]

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

& 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.

[Smaldon 08]

James Smaldon, Jonathan Blakes, Natalio Krasnogor & 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 & 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.

[Song 08]

Andy Song & 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 & 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.

[Spector 08]

Lee Spector, David M. Clark, Ian Lindsay, Bradford Barr & 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 & 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.

[Staliph 08]

Patrick Staliph, Marc Ebner, Martin Michel, Bernd Pfaff & 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 & 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.

[Steiner 08]

Till Steiner, Yaochu Jin & 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 & 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.

- [Steitz 08] Wolfgang Steitz & 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 & 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.
- [Stibor 08] 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 & 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.
- [Stonedahl 08] Forrest Stonedahl, William Rand & 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 & 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.
- [Sudholt 08] Dirk Sudholt & 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 & 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.
- [Talukder 08] A.K.M. Khaled Ahsan Talukder, Michael Kirley & 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 & 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.
- [Tanev 08] Ivan Tanev & 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 & 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.

- [Teixidó-Navarro 08] Francesc Teixidó-Navarro, Albert Orriols-Puig & 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 & 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.
- [Terashima-Marín 08] H. Terashima-Marín, J. C. Ortiz-Bayliss, P. Ross & 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 & 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.
- [Tiwari 08] Santosh Tiwari, Patrick Koch, Georges Fadel & 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 & 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.
- [Toyama 08] Fubito Toyama, Kenji Shoji & 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 & 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.
- [Trendelenburg 08] Stanis Trendelenburg, Joachim Becker, Fabian Henrici & Yiannos Manoli. *A GP algorithm for efficient synthesis of GM-C filters on a hexagonal FPA 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 & 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.

[Troiano 08]

Luigi Troiano, Cosimo Birtolo & 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 & 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.

[Troutman 08]

Nathaniel P. Troutman, Brent E. Eskridge & 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 & 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.

[Trujillo 08a]

Leonardo Trujillo, Gustavo Olague, Evelyne Lutton & 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 & 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.

[Trujillo 08b]

Leonardo Trujillo, Gustavo Olague, Evelyne Lutton & 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 & 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.

[Tsuji 08]

Miwako Tsuji, Masaharu Munetomo & 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 & 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.

- [Tuft 08] Gunnar Tuft. *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 & 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.
- [Turner 08] Chris J. Turner, Ashutosh Tiwari & 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 & 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.
- [Ulrich 08] Tamara Ulrich, Dimo Brockhoff & 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 & 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.
- [Urbanowicz 08] Ryan J. Urbanowicz, Nate Barney, Bill C. White & 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 & 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.
- [Urfalioglu 08] Onay Urfalioglu, Ahmet Enis Cetin & 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 & 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.
- [Valdez 08] Sergio Iván Valdez, Arturo Hernandez-Aguirre & 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 & 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.

[Valsalam 08]

Vinod K. Valsalam & 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 & 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.

[van Krevelen 08]

D. W. F. van Krevelen & 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 & 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.

[von Mammen 08]

Sebastian von Mammen & 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 & 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.

[Vulli 08]

Srinivasa Shivakar Vulli & 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 & 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.

[Wagner 08]

Neal Wagner & 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 & 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.

[Wang 08]

Yan Wang, Zhiwen Bai, Miao Zhang, Wen Du, Ying Qin & 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 & 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.

[Wanner 08]

Elizabeth F. Wanner, Eduardo G. Carrano & 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 & 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.

[Wedge 08]

David C. Wedge & 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 & 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.

[Weise 08]

Thomas Weise, Stefan Niemczyk, Hendrik Skubch, Roland Reichle & 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 & 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.

[Wen 08]

Feng Wen, Xiaohao Gao & 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 & 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.

[Weyland 08]

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 & 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.

[Whitacre 08]

James M. Whitacre, Hussein A. Abbass, Ruhul Sarker, Axel Bender & 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 & 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.

[White 08a]

David R. White, John Clark, Jeremy Jacob & 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 & 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.

[White 08b]

Tony White & 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 & 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.

[Whitley 08a]

Darrell Whitley & 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 & 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.

[Whitley 08b]

Darrell Whitley, Andrew M. Sutton & 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 & 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.

[Wickramasinghe 08]

Upali K. Wickramasinghe & 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 & 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.

[Wijesinghe 08]

Gayan Wijesinghe & 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 & 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.

[Willis 08]

Amy Willis, Suneer Patel & 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 & 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.

[Winkler 08]

Stephan M. Winkler, Michael Affenzeller & 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 & 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.

[Wu 08]

Shelly Xiaonan Wu & Wolfgang Banzhaf. *Combating 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 & 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.

[Xie 08]

Huayang Xie, Mengjie Zhang, Peter Andreae & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1323–1330, Atlanta, GA, USA, 12-16 July 2008. ACM.

- [Yan 08] Wei Yan, Martin D. Sewell & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1681–1688, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Yang 08] Liping Yang, Houkuan Huang & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 389–390, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [yi Jiang 08] Hsin yi Jiang & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1113–1114, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Yogev 08a] Or Yogev, Andrew A. Shapiro & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 871–872, Atlanta, GA, USA, 12-16 July 2008. ACM.
- [Yogev 08b] Or Yogev, Andrew A. Shapiro & 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 & Ingo Wegener, editeurs, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pages 1151–1152, Atlanta, GA, USA, 12-16 July 2008. ACM.



- [Yoon 08] Yourim Yoon, Yong-Hyuk Kim & 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 & 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.
- [Yu 08a] 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 & 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.
- [Yu 08b] Tian-Li Yu & 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 & 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.
- [Zamalloa 08] Maider Zamalloa, Luis Javier Rodriguez-Fuentes, nagarikano Mikel Pe Germán Bordel & 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 & 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.
- [Zhang 08a] Junqi Zhang, Kun Liu, Ying Tan & 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 & 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.
- [Zhang 08b] Junqi Zhang, Kun Liu, Ying Tan & 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 & 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.

[Zhang 08c]

Kejun Zhang, Shouqian Sun & 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 & 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.