

Список литературы

- [1276960] Ajith Abraham, Swagatam Das, and Amit Konar. Kernel based automatic clustering using modified particle swarm optimization algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 2–9, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2.pdf>
- [1276961] Enrique Alba and Francisco Chicano. Acohg: dealing with huge graphs. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 10–17, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p10.pdf>
- [1276962] Stefan Bird and Xiaodong Li. Informative performance metrics for dynamic optimisation problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 18–25, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p18.pdf>
- [1276963] Steve Cayzer and Julie Sullivan. Modelling danger and anergy in artificial immune systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 26–32, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p26.pdf>
- [1276964] Benjamin Doerr, Frank Neumann, Dirk Sudholt, and Carsten Witt. On the runtime analysis of the 1-ant aco algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 33–40, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p33.pdf>
- [1276965] Carlos M. Fernandes, Agostinho C. Rosa, and Vitorino Ramos. Binary ant algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew

Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 41–48, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p41.pdf>

- [1276966] Julie Greensmith and Uwe Aickelin. Dendritic cells for syn scan detection. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 49–56, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p49.pdf>

- [1276967] Ramin Halavati, Saeed Bagheri Shouraki, Mojdeh Jalali Heravi, and Bahareh Jafari Jashmi. An artificial immune system with partially specified antibodies. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 57–62, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p57.pdf>

- [1276968] Adnan Ahmed Khan, Muhammad Naeem, and Syed Ismail Shah. A particle swarm algorithm for symbols detection in wideband spatial multiplexing systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 63–69, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p63.pdf>

- [1276969] Praveen Koduru, Stephen M. Welch, and Sanjoy Das. A particle swarm optimization approach for estimating parameter confidence regions. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 70–77, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p70.pdf>

- [1276970] Xiaodong Li. A multimodal particle swarm optimizer based on fitness euclidean-distance ratio. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann,

Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 78–85, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p78.pdf>

- [1276971] Sean Luke, Deepankar Sharma, and Gabriel Catalin Balan. Finding interesting things. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 86–93, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p86.pdf>

- [1276972] Francisco Luna, Christian Blum, Enrique Alba, and Antonio J. Nebro. Aco vs eas for solving a real-world frequency assignment problem in gsm networks. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 94–101, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p94.pdf>

- [1276973] Nauman Mazhar and Muddassar Farooq. Vulnerability analysis and security framework (beesec) for nature inspired manet routing protocols. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 102–109, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p102.pdf>

- [1276974] Arvind S. Mohais, Rosemarie Mohais, Christopher Ward, and Christian Posthoff. Earthquake classifying neural networks trained with random dynamic neighborhood psos. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 110–117, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p110.pdf>

- [1276975] Alberto Moraglio and Julian Togelius. Geometric particle swarm optimization for the sudoku puzzle. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings*

of the 9th annual conference on Genetic and evolutionary computation, volume 1, pages 118–125, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p118.pdf>

[1276976]

Quan-Qe Pan, Mehmet Fatih Tasgetiren, and Yun-Chia Liang. A discrete differential evolution algorithm for the permutation flowshop scheduling problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 126–133, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p126.pdf>

[1276977]

Riccardo Poli and David Broomhead. Exact analysis of the sampling distribution for the canonical particle swarm optimiser and its convergence during stagnation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 134–141, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p134.pdf>

[1276978]

Riccardo Poli and William B. Langdon. Markov chain models of bare-bones particle swarm optimizers. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 142–149, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p142.pdf>

[1276979]

Enda Ridge and Daniel Kudenko. Analyzing heuristic performance with response surface models: prediction, optimization and robustness. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 150–157, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p150.pdf>

[1276980]

Mehmet Fatih Tasgetiren, P. N. Suganthan, and Quan-Qe Pan. A discrete particle swarm optimization algorithm for the generalized traveling salesman problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 158–167, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p158.pdf>

- [1276982] Aristoklis D. Anastasiadis, George Georgoulas, George Magoulas, and Anthony Tzes. Adaptive particle swarm optimizer with nonextensive schedule. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 168–168, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p168.pdf>

- [1276983] A. Rauf Baig and M. Rashid. Honey bee foraging algorithm for multimodal & dynamic optimization problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 169–169, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p169.pdf>

- [1276984] Adrian A. de Freitas and Christopher B. Mayer. The effectiveness of dynamic ant colony tuning. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 170–170, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p170.pdf>

- [1276985] Graziela Patrocínio Figueredo, Nelson Favilla Ebecken, and Helio Correa Barbosa. Suppression based immune mechanism to find arepresentative training set in data classification tasks. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 171–171, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p171.pdf>

- [1276986] Tao Gong and Andrew L Tuson. Binary particle swarm optimization: a forma analysis approach. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 172–172, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p172.pdf>

- [1276987] Xuan H. Nguyen, Quang U. Nguyen, and Robert I. McKay. Pso with randomized low-discrepancy sequences. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 173–173, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p173.pdf>
- [1276988] Hoang Thanh Lam, Popova Nina Nicolaevna, and Nguyen Thoi Minh Quan. A heuristic particle swarm optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 174–174, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p174.pdf>
- [1276989] Michèle R. Lavagna. Multi-objective pso for interplanetary trajectory design. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 175–175, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p175.pdf>
- [1276990] Manuel López-Ibáñez, T. Devi Prasad, and Ben Paechter. Solving optimal pump control problem using max-min ant system. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 176–176, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p176.pdf>
- [1276991] Andrew W. McNabb, Christopher K. Monson, and Kevin D. Seppi. Mrpso: Mapreduce particle swarm optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 177–177, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p177.pdf>
- [1276992] Paola Pellegrini and Elena Moretti. Quick-and-dirty ant colony optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew

Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 178–178, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p178.pdf>

- [1276993] Sébastien Piccand, Michael O'Neill, and Jacqueline Walker. Scalability of particle swarm algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 179–179, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p179.pdf>

- [1276994] Enda Ridge and Daniel Kudenko. Screening the parameters affecting heuristic performance. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 180–180, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p180.pdf>

- [1276995] Andres Romero and Fernando Nino. Keyword extraction using an artificial immune system. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 181–181, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p181.pdf>

- [1276996] M. Zubair Shafiq, Mehrin Kiani, Bisma Hashmi, and Muddassar Farooq. Extended thymus action for reducing false positives in ais based network intrusion detection systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 182–182, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p182.pdf>

- [1276997] Jan A. Snyman and Schalk Kok. A strongly interacting dynamic particle swarm optimizational method. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07:*

Proceedings of the 9th annual conference on Genetic and evolutionary computation, volume 1, pages 183–183, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p183.pdf>

- [1276998] Robert L. Stewart and Michael Kirley. Swarming with logic. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 184–184, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p184.pdf>

- [1276999] Jiahai Wang and Yanlan Zhou. Hybrid quantum particle swarm optimization algorithm for combinatorial optimization problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 185–185, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p185.pdf>

- [1277000] Yifeng Zeng, Jorge Cordero H, and Dennis Plougman Buus. Swarmarchitect: a swarm framework for collaborative construction. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 186–186, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p186.pdf>

- [1277001] Xingquan Zuo. Robust scheduling method based on workflow simulation model and biological immune principle. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 187–187, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p187.pdf>

- [1277003] Joachim Becker, Stanis Trendelenburg, Fabian Henrici, and Yiannos Manoli. Synthesis of analog filters on an evolvable hardware platform using a genetic algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 190–197, London, 7-11 July 2007. ACM Press.

- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p190.pdf>
- [1277004] Josh Bongard. Action-selection and crossover strategies for self-modeling machines. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 198–205, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p198.pdf>
- [1277005] Edgar Bermudez Contreras. A biologically inspired solution for an evolved simulated agent. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 206–213, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p206.pdf>
- [1277006] Josh Bongard. Exploiting multiple robots to accelerate self-modeling. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 214–221, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p214.pdf>
- [1277007] John A. Bullinaria. The effect of learning on life history evolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 222–229, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p222.pdf>
- [1277008] Cecilia Di Chio, Riccardo Poli, and Paolo Di Chio. Ecops: a particle swarm algorithm to model group-foraging. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 230–237, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p230.pdf>
- [1277009] Nicolás S. Estévez and Hod Lipson. Dynamical blueprints: exploiting levels of system-environment interaction. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb,

Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 238–244, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p238.pdf>

- [1277010] Zbysek Gajda and Lukas Sekanina. Reducing the number of transistors in digital circuits using gate-level evolutionary design. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 245–252, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p245.pdf>

- [1277011] Stanley Phillips Gotshall and Terence Soule. Stochastic training of a biologically plausible spino-neuromuscular system model. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 253–260, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p253.pdf>

- [1277012] Min Gui, Sanjoy Das, and Anil Pahwa. Procreating v-detectors for nonself recognition: an application to anomaly detection in power systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 261–268, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p261.pdf>

- [1277013] Gul Muhammad Khan, Julian Francis Miller, and David M. Halliday. Coevolution of intelligent agents using cartesian genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 269–276, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p269.pdf>

- [1277014] Susan Khor. Hill climbing on discrete hiff: exploring the role of dna transposition in long-term artificial evolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller,

Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 277–284, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p277.pdf>

- [1277015] DaeEun Kim. A quantitative analysis of memory requirement and generalization performance for robotic tasks. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 285–292, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p285.pdf>

- [1277016] David B. Knoester, Philip K. McKinley, and Charles A. Ofria. Using group selection to evolve leadership in populations of self-replicating digital organisms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 293–300, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p293.pdf>

- [1277017] Jon McCormack. Artificial ecosystems for creative discovery. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 301–307, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p301.pdf>

- [1277018] Joshua L. Payne and Margaret J. Eppstein. Takeover times on scale-free topologies. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 308–315, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p308.pdf>

- [1277019] Lee Spector, Jon Klein, and Mark Feinstein. Division blocks and the open-ended evolution of development, form, and behavior. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener,

editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 316–323, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p316.pdf>

- [1277020] Julian Togelius, Renzo De Nardi, Hugo Marques, Richard Newcombe, Simon M. Lucas, and Owen Holland. Nonlinear dynamics modelling for controller evolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 324–333, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p324.pdf>

- [1277022] Bart Baddeley and Andrew Philippides. Bee slam: a probabilistic framework for studying orientation flights in bees and wasps. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 334–334, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p334.pdf>

- [1277023] Gus Eiben, Joeri Bekker, Robert Griffioen, and Evert Haasdijk. Balancing quality and quantity in evolving agent systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 335–335, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p335.pdf>

- [1277024] Nicolas Brodu. A framework for the emergence of intra-species mutual recognition patterns. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 336–336, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p336.pdf>

- [1277025] Dara Curran, Colm O’Riordan, and Humphrey Sorensen. The effects of lifetime learning on the diversity and fitness of populations. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and*

evolutionary computation, volume 1, pages 337–337, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p337.pdf>

- [1277026] Dara Curran, Colm O’Riordan, and Humphrey Sorensen. Self-adaptation of cultural learning parameters. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO ’07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 338–338, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p338.pdf>

- [1277027] Song Hengjie, Miao Chunyan, and Shen Zhiqi. Fuzzy cognitive map learning based on multi-objective particle swarm optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO ’07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 339–339, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p339.pdf>

- [1277028] Correy A. Kowall and Brian J. Krent. A simulation of evolved autotrophic reproduction. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO ’07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 340–340, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p340.pdf>

- [1277029] G. S. Nitschke, M. C. Schut, and A. E. Eiben. Collective specialization in multi-rover systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO ’07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 342–342, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p342.pdf>

- [1277030] Simon T. Powers and Richard A. Watson. Preliminary investigations into the evolution of cooperative strategies in a minimally spatial model. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO ’07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 343–343, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p343.pdf>

- [1277031] Steffen Priesterjahn and Alexander Weimer. An evolutionary online adaptation method for modern computer games based on imitation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 344–345, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p344.pdf>
- [1277033] Jaume Bacardit, Michael Stout, Jonathan D. Hirst, Kumara Sastry, Xavier Llorà, and Natalio Krasnogor. Automated alphabet reduction method with evolutionary algorithms for protein structure prediction. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 346–353, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p346.pdf>
- [1277034] Stefan Bleuler and Eckart Zitzler. Discrimination of metabolic flux profiles using a hybrid evolutionary algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 354–360, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p354.pdf>
- [1277035] Emre H. Brookes and Borries Demeler. Parsimonious regularization using genetic algorithms applied to the analysis of analytical ultracentrifugation experiments. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 361–368, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p361.pdf>
- [1277036] Larry Bull and Ivan S. Uroukov. Initial results from the use of learning classifier systems to control in vitro neuronal networks. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 369–376, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p369.pdf>

- [1277037] Tak-Ming Chan, Kwong-Sak Leung, and Kin-Hong Lee. Tfbs identification by position- and consensus-led genetic algorithm with local filtering. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 377–384, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p377.pdf>
- [1277038] Federico Divina and Jesus S. Aguilar-Ruiz. A multi-objective approach to discover biclusters in microarray data. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 385–392, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p385.pdf>
- [1277039] Sergio Raul Duarte Torres, David Camilo Becerra Romero, Luis Fernando Nino Vasquez, and Yoan Jose Pinzon Ardila. A novel ab-initio genetic-based approach for protein folding prediction. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 393–400, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p393.pdf>
- [1277040] Alper Küçükural, Reyhan Yeniterzi, Süveyda Yeniterzi, and O. Uğur Sezerman. Evolutionary selection of minimum number of features for classification of gene expression data using genetic algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 401–406, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p401.pdf>
- [1277041] Moshe Looks, Ben Goertzel, Lucio de Souza Coelho, Mauricio Mudado, and Cassio Pennachin. Clustering gene expression data via mining ensembles of classification rules evolved using mooses. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 407–414, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p407.pdf>

- [1277042] Miguel Rocha, Rui Mendes, Paulo Maia, na Daniel Glez-Pe and Florentino Fdez-Riverola. A platform for the selection of genes in dna microarraydata using evolutionary algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 415–423, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p415.pdf>

- [1277044] Andrea Bazzoli, Giorgio Colombo, and Andrea G. B. Tettamanzi. Ab initio protein structure prediction with a dipeptide-assembly evolutionary algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 424–424, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p424.pdf>

- [1277045] Telma Woerle de Lima, Rodrigo Antonio Faccioli, Paulo Henrique Ribeiro Gabriel, Alexandre Claudio Botazzo Delbem, and Ivan Nunes da Silva. Evolutionary approach to protein structure prediction with hydrophobic interactions. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 425–425, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p425.pdf>

- [1277046] Chrisantha Thomas Fernando and Jon Rowe. Hebbian learning in a simple gene circuit. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 426–426, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p426.pdf>

- [1277047] José García-Nieto, Enrique Alba, Laetitia Jourdan, and El-Ghazali Talbi. A comparison of pso and ga approaches for gene selection and classification of microarray data. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 427–427, London, 7-11 July 2007. ACM Press.

- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p427.pdf>
- [1277048] Ed Keedwell and Ajit Narayanan. Gene finding and rule discovery with a multi-objective neural-genetic hybrid. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 428–428, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p428.pdf>
- [1277049] William Latham, Miki Shaw, Stephen Todd, and Frederic Fol Leymarie. Using dna to generate 3d organic art forms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 429–429, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p429.pdf>
- [1277050] Moshe Looks, Ben Goertzel, Lucio de Souza Coelho, Mauricio Mudado, and Cassio Pennachin. Understanding microarray data through applying competent program evolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 430–430, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p430.pdf>
- [1277051] Filippo Menolascina, Roberto Teixeira Alves, Stefania Tommasi, Patrizia Chiarappa, Myriam Delgado, Giuseppe Mastronardi, Angelo Paradiso, Alex Freitas, and Vitoantonio Bevilacqua. Induction of fuzzy rules with artificial immune systems in acgh based er status breast cancer characterization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 431–431, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p431.pdf>
- [1277052] Jason H. Moore, Nate Barney, and Bill C. White. Towards human-human-computer interaction for biologically-inspired problem-solving in human genetics. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 432–433, London, 7-11 July 2007. ACM Press.

- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p432.pdf>
- [1277054] Anthony Bucci and Jordan B. Pollack. Thoughts on solution concepts. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 434–439, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p434.pdf>
- [1277055] Edwin D. De Jong. Objective fitness correlation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 440–447, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p440.pdf>
- [1277056] Jeffrey Horn. Optimal nesting of species for exact cover of resources: two against many. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 448–455, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p448.pdf>
- [1277057] Rui Li, Bir Bhanu, and Krzysztof Krawiec. Hybrid coevolutionary algorithms vs. svm algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 456–463, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p456.pdf>
- [1277058] Peter Lichodziejewski and Malcolm I. Heywood. Pareto-coevolutionary genetic programming for problem decomposition in multi-class classification. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 464–471, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p464.pdf>
- [1277059] Christopher Stone, Rita Toth, Andrew Adamatzky, Ben de Lacy Costello, and Larry Bull. Towards the coevolution of cellular automata controllers for chemical

computing with the b-z reaction. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 472–478, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p472.pdf>

- [1277060] Ting-Shuo Yo and Edwin D. de Jong. A comparison of evaluation methods in coevolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 479–487, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p479.pdf>

- [1277062] Chun-Kit Au and Ho-Fung Leung. Guided mutations in cooperative coevolutionary algorithms for function optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 488–488, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p488.pdf>

- [1277063] Rui Li, Bir Bhanu, and Krzysztof Krawiec. On the number of subpopulations in coevolutionary computation: a database application. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 489–489, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p489.pdf>

- [1277064] Jules Ottino-Loffler, William Rand, and Uri Wilensky. A spatial model of the red queen effect. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 490–491, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p490.pdf>

- [1277066] Peter A. N. Bosman, Jörn Grahl, and Franz Rothlauf. Sdr: a better trigger for adaptive variance scaling in normal edas. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon,

Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 492–499, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p492.pdf>

- [1277067] Peter A. N. Bosman and Dirk Thierens. Adaptive variance scaling in continuous multi-objective estimation-of-distribution algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 500–507, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p500.pdf>

- [1277068] Juergen Branke, Clemens Lode, and Jonathan L. Shapiro. Addressing sampling errors and diversity loss in umda. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 508–515, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p508.pdf>

- [1277069] Jörn Grahl, Peter A. N. Bosman, and Stefan Minner. Convergence phases, variance trajectories, and runtime analysis of continuous edas. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 516–522, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p516.pdf>

- [1277070] Mark Hauschild, Martin Pelikan, Claudio F. Lima, and Kumara Sastry. Analyzing probabilistic models in hierarchical boa on traps and spin glasses. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 523–530, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p523.pdf>

- [1277071] Piotr Lipinski. Ecga vs. boa in discovering stock market trading experts. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs,

Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 531–538, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p531.pdf>

- [1277072] Moshe Looks. Scalable estimation-of-distribution program evolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 539–546, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p539.pdf>

- [1277073] Martin Pelikan, Rajiv Kalapala, and Alexander K. Hartmann. Hybrid evolutionary algorithms on minimum vertex cover for random graphs. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 547–554, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p547.pdf>

- [1277074] Martin Pelikan and James D. Laury, Jr. Order or not: does parallelization of model building in hboa affect its scalability? In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 555–561, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p555.pdf>

- [1277075] Petr Pošík and Vojtěch Franc. Estimation of fitness landscape contours in eas. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 562–569, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p562.pdf>

- [1277076] Abdellah Salhi, José Antonio Vázquez Rodríguez, and Qingfu Zhang. An estimation of distribution algorithm with guided mutation for a complex flow shop scheduling problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas

Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 570–576, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p570.pdf>

- [1277077] Kumara Sastry, David E. Goldberg, and Xavier Llorca. Towards billion-bit optimization via a parallel estimation of distribution algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 577–584, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p577.pdf>

- [1277078] Siddhartha Shakya, Fernando Oliveira, and Gilbert Owusu. An application of eda and ga to dynamic pricing. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 585–592, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p585.pdf>

- [1277079] Chang Wook Ahn and R. S. Ramakrishna. Multiobjective real-coded bayesian optimization algorithm revisited: diversity preservation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 593–600, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p593.pdf>

- [1277080] Tian-Li Yu, Kumara Sastry, David E. Goldberg, and Martin Pelikan. Population sizing for entropy-based model building in discrete estimation of distribution algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 601–608, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p601.pdf>

- [1277081] Yunpeng Cai, Xiaomin Sun, Hua Xu, and Peifa Jia. Cross entropy and adaptive variance scaling in continuous eda. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener,

editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 609–616, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p609.pdf>

- [1277082] Aimin Zhou, Qingfu Zhang, Yaochu Jin, Bernhard Sendhoff, and Edward Tsang. Global multiobjective optimization via estimation of distribution algorithm with biased initialization and crossover. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 617–623, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p617.pdf>

- [1277084] David Jonathan Coffin and Robert Elliott Smith. Why is parity hard for estimation of distribution algorithms? In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 624–624, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p624.pdf>

- [1277085] Eric M. Heien, Tomoyuki Hiroyasu, and Noriyuki Fujimoto. Investigation of mutation operators for the bayesian optimization algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 625–625, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p625.pdf>

- [1277086] Moshe Looks. Meta-optimizing semantic evolutionary search. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 626–626, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p626.pdf>

- [1277087] Volker Nannen and A. E. Eiben. Variance reduction in meta-eda. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 627–627, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p627.pdf>

- [1277088] Martin Pelikan and Alexander K. Hartmann. Obtaining ground states of ising spin glasses via optimizing bonds instead of spins. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 628–628, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p628.pdf>

- [1277089] Martin Pelikan, Shigeyoshi Tsutsui, and Rajiv Kalapala. Dependency trees, permutations, and quadratic assignment problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 629–629, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p629.pdf>

- [1277090] Sunisa Rimcharoen, Daricha Sutivong, and Prabhas Chongstitvatana. A synthesis of optimal stopping time in compact genetic algorithm based on real options approach. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 630–630, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p630.pdf>

- [1277091] Josef Schwarz, Jiri Jaros, and Jiri Ocenasek. Migration of probabilistic models for island-based bivariate eda algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 631–631, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p631.pdf>

- [1277092] Hao Wu and Jonathan L. Shapiro. Parameter cross-validation and early-stopping in univariate marginal distribution algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 632–633, London, 7-11 July 2007. ACM Press.

- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p632.pdf>
- [1277094] Dirk V. Arnold. On the use of evolution strategies for optimising certain positive definite quadratic forms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 634–641, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p634.pdf>
- [1277095] Marc Ebner. Estimating the spectral sensitivity of a digital sensor using calibration targets. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 642–649, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p642.pdf>
- [1277096] Chang-Tai Hsieh, Chih-Ming Chen, and Ying ping Chen. Particle swarm guided evolution strategy. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 650–657, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p650.pdf>
- [1277097] James N. Knight and Monte Lunacek. Reducing the space-time complexity of the cma-es. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 658–665, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p658.pdf>
- [1277098] Oliver Kramer, Stephan Brügger, and Dejan Lazovic. Sex and death: towards biologically inspired heuristics for constraint handling. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 666–673, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p666.pdf>
- [1277099] Oliver Kramer, Bartek Gloger, and Andreas Goebels. An experimental analysis of evolution strategies and particle swarm optimisers using design of experiments.

In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 674–681, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p674.pdf>

- [1277100] Angel M. Perez-Bellido, Sancho Salcedo-Sanz, Emilio G. Ortiz-Garcia, and Antonio Portilla-Figueras. A hybrid evolutionary programming algorithm for spread spectrum radar polyphase codes design. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 682–688, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p682.pdf>

- [1277101] Jani Ilmari Rönkkönen and Jouni Lampinen. An extended mutation concept for the local selection based differential evolution algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 689–696, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p689.pdf>

- [1277102] Claudio Rossi, Antonio Barrientos, and Jaime del Cerro. Two adaptive mutation operators for optima tracking in dynamic optimization problems with evolution strategies. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 697–704, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p697.pdf>

- [1277103] Ofer M. Shir and Thomas Bäck. Performance analysis of niching algorithms based on derandomized-es variants. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 705–712, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p705.pdf>

- [1277104] Ofer M. Shir and Thomas Bäck. The second harmonic generation case-study as a gateway for es to quantum control problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 713–721, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p713.pdf>
- [1277106] Juan Carlos Gomez and Olac Fuentes. Using evolution strategies for automatic extraction of parameters for stellar population synthesis of galaxy spectra from sdss. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 722–722, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p722.pdf>
- [1277107] Pavel Petrovic. Strengths and weaknesses of fsa representation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 723–725, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p723.pdf>
- [1277109] M. A. Abido. Two-level of nondominated solutions approach to multiobjective particle swarm optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 726–733, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p726.pdf>
- [1277110] Salem Fawaz Adra, Ian Griffin, and Peter J. Fleming. An informed convergence accelerator for evolutionary multiobjective optimiser. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 734–740, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p734.pdf>
- [1277111] Varun Aggarwal and Una-May O'Reilly. Cosmo: a correlation sensitive mutation operator for multi-objective optimization. In Dirk Thierens, Hans-Georg Beyer, Josh

Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 741–748, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p741.pdf>

- [1277112] Hernán Aguirre, Hiroyuki Okazaki, and Yasushi Fuwa. An evolutionary multiobjective approach to design highly non-linear boolean functions. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 749–756, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p749.pdf>

- [1277113] Ricardo Landa Becerra, Carlos A. Coello Coello, Alfredo G. Hernández-Díaz, Rafael Caballero, and Julián Molina. Alternative techniques to solve hard multi-objective optimization problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 757–754, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p757.pdf>

- [1277114] Dimo Brockhoff, Tobias Friedrich, Nils Hebbinghaus, Christian Klein, Frank Neumann, and Eckart Zitzler. Do additional objectives make a problem harder? In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 765–772, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p765.pdf>

- [1277115] David W. Corne and Joshua D. Knowles. Techniques for highly multiobjective optimisation: some nondominated points are better than others. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 773–780, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p773.pdf>

- [1277116] Kalyanmoy Deb and Abhishek Kumar. Interactive evolutionary multi-objective optimization and decision-making using reference direction method. In Dirk

Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 781–788, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p781.pdf>

- [1277117] J. C. Ferreira, C. M. Fonseca, and A. Gaspar-Cunha. Methodology to select solutions from the pareto-optimal set: a comparative study. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 789–796, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p789.pdf>

- [1277118] Tobias Friedrich, Nils Hebbinghaus, Frank Neumann, Jun He, and Carsten Witt. Approximating covering problems by randomized search heuristics using multi-objective models. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 797–804, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p797.pdf>

- [1277119] Christian Grimme, Joachim Lepping, and Alexander Papaspyrou. Exploring the behavior of building blocks for multi-objective variation operator design using predator-prey dynamics. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 805–812, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p805.pdf>

- [1277120] Ken Harada, Jun Sakuma, Shigenobu Kobayashi, and Isao Ono. Uniform sampling of local pareto-optimal solution curves by pareto path following and its applications in multi-objective ga. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 813–820, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p813.pdf>

- [1277121] Nhu Binh Ho and Joc Cing Tay. Using evolutionary computation and local search to solve multi-objective flexible job shop problems. In Dirk Thierens, Hans-Georg

Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 821–828, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p821.pdf>

- [1277122] Hisao Ishibuchi, Yusuke Nojima, Noritaka Tsukamoto, and Ken Ohara. Effects of the use of non-geometric binary crossover on evolutionary multiobjective optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 829–836, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p829.pdf>

- [1277123] Matt D. Johnson, Daniel R. Tauritz, and Ralph W. Wilkerson. Sndl-moea: stored non-domination level moea. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 837–844, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p837.pdf>

- [1277124] Michael Kirley and Robert Stewart. An analysis of the effects of population structure on scalable multiobjective optimization problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 845–852, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p845.pdf>

- [1277125] Praveen Koduru, Sanjoy Das, and Stephen M. Welch. Multi-objective hybrid pso using µ-fuzzy dominance. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 853–860, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p853.pdf>

- [1277126] Nobukazu Matake, Tomoyuki Hiroyasu, Mitsunori Miki, and Tomoharu Senda. Multiobjective clustering with automatic k-determination for large-scale data. In

Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 861–868, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p861.pdf>

- [1277127] Sanaz Mostaghim, Juergen Branke, and Hartmut Schmeck. Multi-objective particle swarm optimization on computer grids. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 869–875, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p869.pdf>

- [1277128] Antonio J. Nebro, Enrique Alba, Guillermo Molina, Francisco Chicano, Francisco Luna, and Juan J. Durillo. Optimal antenna placement using a new multi-objective chc algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 876–883, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p876.pdf>

- [1277129] Corina Rotar, D. Dumitrescu, and Rodica Ioana Lung. Guided hyperplane evolutionary algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 884–891, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p884.pdf>

- [1277130] Oliver Schütze, Marco Laumanns, Emilia Tantar, Carlos A. Coello Coello, and El ghazali Talbi. Convergence of stochastic search algorithms to gap-free pareto front approximations. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 892–901, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p892.pdf>

- [1277132] Breanna W. Bailey and Anne M. Raich. Interactive multi-objective design of long-span trusses. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin

Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 902–902, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p902.pdf>

- [1277133] István Borgulya. An ec-memory based method for the multi-objective tsp. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 903–903, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p903.pdf>

- [1277134] Tomoyuki Hiroyasu, Kengo Yoshii, and Mitsunori Miki. Discussion of parallel model of multi-objective genetic algorithms on heterogeneous computational resources. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 904–904, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p904.pdf>

- [1277135] Mark P. Kleeman, Gary B. Lamont, Kenneth M. Hopkinson, and Scott R. Graham. Multiobjective evolutionary algorithms for designing capacitated network centric communications. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 905–905, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p905.pdf>

- [1277136] Coromoto León, Gara Miranda, and Carlos Segura. Parallel skeleton for multi-objective optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 906–906, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p906.pdf>

- [1277137] Xiaodong Li, Juergen Branke, and Michael Kirley. Performance measures and particle swarm methods for dynamic multi-objective optimization problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle,

Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 907–907, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p907.pdf>

- [1277138] Zhiyong Li and Guenter Rudolph. A framework of quantum-inspired multi-objective evolutionary algorithms and its convergence condition. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 908–908, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p908.pdf>

- [1277139] S. Afshin Mansouri, S. Hamed Hendizadeh, and Nasser Salmasi. Bicriteria two-machine flowshop scheduling using metaheuristics. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 909–909, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p909.pdf>

- [1277140] Carlos Eduardo Mariano, Victor Hugo Alcocer, and Eduardo F. Morales. Incremental refinement of solutions for multiple objective optimization problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 910–910, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p910.pdf>

- [1277141] Luis Martí, Jesús García, Antonio Berlanga, and José Manuel Molina. A cumulative evidential stopping criterion for multiobjective optimization evolutionary algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 911–911, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p911.pdf>

- [1277142] Dana Vrajitoru. Hybrid multiobjective optimization genetic algorithms for graph drawing. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings*

of the 9th annual conference on Genetic and evolutionary computation, volume 1, pages 912–912, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p912.pdf>

- [1277143] Piotr Wozniak. Dimensionality reduction in evolutionary multiobjective design: case study. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 913–915, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p913.pdf>

- [1277145] Anne Auger and Olivier Teytaud. Continuous lunches are free! In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 916–922, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p916.pdf>

- [1277146] Tao Gong and Andrew L. Tuson. Enhanced form analysis of permutation problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 923–930, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p923.pdf>

- [1277147] Thomas Jansen and Madeleine Theile. Stability in the self-organized evolution of networks. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 931–938, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p931.pdf>

- [1277148] Thomas Jansen and Dennis Weyland. Analysis of evolutionary algorithms for the longest common subsequence problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 939–946, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p939.pdf>

- [1277149] Joachim Reichel and Martin Skutella. Evolutionary algorithms and matroid optimization problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 947–954, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p947.pdf>
- [1277150] Olivier Teytaud and Sylvain Gelly. Dcma: yet another derandomization in covariance-matrix-adaptation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 955–963, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p955.pdf>
- [1277152] Chris J. C. H. Watkins. The channel capacity of evolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 964–965, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p964.pdf>
- [1277154] Kester Clegg, Susan Stepney, and Tim Clarke. Using feedback to regulate gene expression in a developmental control architecture. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 966–973, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p966.pdf>
- [1277155] David B. D'Ambrosio and Kenneth O. Stanley. A novel generative encoding for exploiting neural network sensor and output geometry. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 974–981, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p974.pdf>
- [1277156] Alexandre Devert, Nicolas Bredeche, and Marc Schoenauer. Robust multi-cellular developmental design. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb,

Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 982–989, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p982.pdf>

- [1277157] Keith L. Downing. Supplementing evolutionary developmental systems with abstract models of neurogenesis. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 990–996, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p990.pdf>

- [1277158] Jason Gauci and Kenneth Stanley. Generating large-scale neural networks through discovering geometric regularities. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 997–1004, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p997.pdf>

- [1277159] Adrian Grajdeanu. Methods for open-box analysis in artificial development. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1005–1012, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1005.pdf>

- [1277160] Pauline C. Haddow and Johan Hoyer. Achieving a simple development model for 3d shapes: are chemicals necessary? In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1013–1020, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1013.pdf>

- [1277161] Simon L. Harding, Julian F. Miller, and Wolfgang Banzhaf. Self-modifying cartesian genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07:*

Proceedings of the 9th annual conference on Genetic and evolutionary computation, volume 1, pages 1021–1028, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1021.pdf>

[1277162]

Yohannes Kassahun, Mark Edgington, Jan Hendrik Metzen, Gerald Sommer, and Frank Kirchner. A common genetic encoding for both direct and indirect encodings of networks. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1029–1036, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1029.pdf>

[1277163]

Taras Kowaliw, Peter Grogono, and Nawwaf Kharma. Environment as a spatial constraint on the growth of structural form. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1037–1044, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1037.pdf>

[1277164]

Joseph Reisinger and Risto Miikkulainen. Acquiring evolvability through adaptive representations. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1045–1052, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1045.pdf>

[1277165]

Garnett Wilson and Malcolm Heywood. Learning recursive programs with cooperative coevolution of genetic code mapping and genotype. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1053–1061, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1053.pdf>

[1277167]

Arturo Chavoya and Yves Duthen. Use of a genetic algorithm to evolve an extended artificial regulatory network for cell pattern generation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1062–1062, London, 7–11 July 2007. ACM Press.

- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1062.pdf>
- [1277168] John Rieffel, Hod Lipson, and Francisco J. Valero-Cuevas. Growing form-filling tensegrity structures using map l-systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1063–1063, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1063.pdf>
- [1277169] Or Yogev and Erik K. Antonsson. Growth and development of continuous structures. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1064–1065, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1064.pdf>
- [1277171] Enrique Alba and Francisco Chicano. Finding safety errors with aco. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1066–1073, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1066.pdf>
- [1277172] Kamel Ayari, Salah Bouktif, and Giuliano Antoniol. Automatic mutation test input data generation via ant colony. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1074–1081, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1074.pdf>
- [1277173] Renée C. Bryce and Charles J. Colbourn. One-test-at-a-time heuristic search for interaction test suites. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1082–1089, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1082.pdf>

- [1277174] Massimiliano Di Penta, Gerardo Canfora, Gianpiero Esposito, Valentina Mazza, and Marcello Bruno. Search-based testing of service level agreements. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1090–1097, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1090.pdf>
- [1277175] Kiran Lakhotia, Mark Harman, and Phil McMinn. A multi-objective approach to search-based test data generation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1098–1105, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1098.pdf>
- [1277176] Mark Harman and Laurence Tratt. Pareto optimal search based refactoring at the design level. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1106–1113, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1106.pdf>
- [1277177] Mark Kent O’Keeffe and Mel O. Cinneide. Getting the most from search-based refactoring. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1114–1120, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1114.pdf>
- [1277178] Andreas Windisch, Stefan Wappler, and Joachim Wegener. Applying particle swarm optimization to software testing. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1121–1128, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1121.pdf>
- [1277179] Yuanyuan Zhang, Mark Harman, and S. Afshin Mansouri. The multi-objective next release problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke,

John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1129–1137, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1129.pdf>

- [1277181] Bruno T. de Abreu, Eliane Martins, and Fabiano L. de Sousa. Generalized extremal optimization: an attractive alternative for test data generation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1138–1138, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1138.pdf>

- [1277182] James D. Kiper, Martin S. Feather, and Julian Richardson. Optimizing the v&v process for critical systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1139–1139, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1139.pdf>

- [1277183] Konstantinos Liaskos, Marc Roper, and Murray Wood. Investigating data-flow coverage of classes using evolutionary algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1140–1140, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1140.pdf>

- [1277184] Xiyang Liu, Lei Wang, Xiubin Zhu, Zhiwen Bai, Miao Zhang, and Hehui Liu. Fitness calculation approach for nested if-else construct in evolutionary testing. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1141–1141, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1141.pdf>

- [1277186] Abir Alharbi, William Rand, and Rick Riolo. The defined cliffs variant in dynamic environments: a case study using the shaky ladder hyperplane-defined functions. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew

Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1158–1164, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1158.pdf>

- [1277187] Peter A. N. Bosman and Han La Poutre. Learning and anticipation in online dynamic optimization with evolutionary algorithms: the stochastic case. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1165–1172, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1165.pdf>

- [1277188] Yang Chen, Jinglu Hu, Kotaro Hirasawa, and Songnian Yu. Gars: an improved genetic algorithm with reserve selection for global optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1173–1178, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1173.pdf>

- [1277189] Theodore Chiotis and Christopher D. Clack. Nonlinearity linkage detection for financial time series analysis. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1179–1186, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1179.pdf>

- [1277190] Kalyanmoy Deb, Karthik Sindhya, and Tatsuya Okabe. Self-adaptive simulated binary crossover for real-parameter optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1187–1194, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1187.pdf>

- [1277191] Vinicius Veloso de Melo, Alexandre Claudio Botazzo Delbem, Junior Dorival Leao Pinto, and Fernando Marques Federson. Improving global numerical optimization using a search-space reduction algorithm. In Dirk Thierens, Hans-Georg

Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1195–1202, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1195.pdf>

- [1277192] Benjamin Doerr and Daniel Johannsen. Adjacency list matchings: an ideal genotype for cycle covers. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1203–1210, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1203.pdf>

- [1277193] Hongbin Dong and Yiwen Liang. Genetic algorithms for large join query optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1211–1218, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1211.pdf>

- [1277194] Tobias Friedrich, Nils Hebbinghaus, and Frank Neumann. Rigorous analyses of simple diversity mechanisms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1219–1225, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1219.pdf>

- [1277195] Jose E. Gallardo, Carlos Cotta, and Antonio J. Fernandez. A memetic algorithm for the low autocorrelation binary sequence problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1226–1233, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1226.pdf>

- [1277196] Ozlem O. Garibay and Annie S. Wu. Analyzing the effects of module encapsulation on search space bias. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank

Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1234–1241, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1234.pdf>

- [1277197] Yoshiko Hanada, Tomoyuki Hiroyasu, and Mitsunori Miki. Genetic multi-step search in interpolation and extrapolation domain. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1242–1249, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1242.pdf>

- [1277198] Jean-Laurent Hippolyte, Christelle Bloch, Pascal Chatonnay, Christophe Espanet, and Didier Chamagne. A self-adaptive multiagent evolutionary algorithm for electrical machine design. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1250–1255, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1250.pdf>

- [1277199] David Iclanzan and Dan Dumitrescu. Overcoming hierarchical difficulty by hill-climbing the building block structure. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1256–1263, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1256.pdf>

- [1277200] Ratiba Kabli, Frank Herrmann, and John McCall. A chain-model genetic algorithm for bayesian network structure learning. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1264–1271, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1264.pdf>

- [1277201] Minkyu Kim, Varun Aggarwal, Una-May O'Reilly, and Muriel Medard. A doubly distributed genetic algorithm for network coding. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry,

Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1272–1279, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1272.pdf>

- [1277202] Zhenhua Li and Erik D. Goodman. Learning building block structure from crossover failure. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1280–1287, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1280.pdf>

- [1277203] Dudy Lim, Yew-Soon Ong, Yaochu Jin, and Bernhard Sendhoff. A study on metamodeling techniques, ensembles, and multi-surrogates in evolutionary computation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1288–1295, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1288.pdf>

- [1277204] Rodica Ioana Lung and D. Dumitrescu. A new evolutionary model for detecting multiple optima. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1296–1303, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1296.pdf>

- [1277205] Claudio Mattiussi, Peter Dürri, and Dario Floreano. Center of mass encoding: a self-adaptive representation with adjustable redundancy for real-valued parameters. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1304–1311, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1304.pdf>

- [1277206] Rob Mills and Richard A. Watson. Variable discrimination of crossover versus mutation using parameterized modular structure. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and*

evolutionary computation, volume 2, pages 1312–1319, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1312.pdf>

- [1277207] Tim Paulden and David K. Smith. Some novel locality results for the blob code spanning tree representation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1320–1327, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1320.pdf>

- [1277208] Christophe Philemotte and Hugues Bersini. A gestalt genetic algorithm: less details for better search. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1328–1334, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1328.pdf>

- [1277209] Riccardo Poli and Leonardo Vanneschi. Fitness-proportional negative slope coefficient as a hardness measure for genetic algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1335–1342, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1335.pdf>

- [1277210] Adam Prugel-Bennett. Finding critical backbone structures with genetic algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1343–1348, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1343.pdf>

- [1277211] Qinru Qiu, Daniel Burns, Prakash Mukre, and Qing Wu. Hardware acceleration of multi-deme genetic algorithm for the application of dna codeword searching. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1349–1356, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1349.pdf>

- [1277212] Philipp Rohlfshagen and John A. Bullinaria. Exga ii: an improved exonic genetic algorithm for the multiple knapsack problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1357–1364, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1357.pdf>

- [1277213] Philipp Rohlfshagen and John A. Bullinaria. A genetic algorithm with exon shuffling crossover for hard bin packing problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1365–1371, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1365.pdf>

- [1277214] Jun Sakuma and Shigenobu Kobayashi. A genetic algorithm for privacy preserving combinatorial optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1372–1379, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1372.pdf>

- [1277215] Kumara Sastry and David E. Goldberg. Let's get ready to rumble redux: crossover versus mutation head to head on exponentially scaled problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1380–1387, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1380.pdf>

- [1277216] Kumara Sastry, Martin Pelikan, and David E. Goldberg. Empirical analysis of ideal recombination on random decomposable problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1388–1395, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1388.pdf>

- [1277217] Yuji Sato, Yuta Yasuda, and Ryuji Goto. Analysis of noisy time-series signals with ga involving viral infection with tropism. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1396–1403, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1396.pdf>
- [1277218] Justin Schonfeld. A study of mutational robustness as the product of evolutionary computation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1404–1411, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1404.pdf>
- [1277219] J. E. Smith. Credit assignment in adaptive memetic algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1412–1419, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1412.pdf>
- [1277220] Catalin Liviu Stoean, Mike Preuss, Ruxandra Stoean, and Dumitru Dumitrescu. Disburdening the species conservation evolutionary algorithm of arguing with radii. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1420–1427, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1420.pdf>
- [1277221] Andrew M. Sutton, Monte Lunacek, and L. Darrell Whitley. Differential evolution and non-separability: using selective pressure to focus search. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1428–1435, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1428.pdf>
- [1277222] Carlos D. Toledo-Suárez, Manuel Valenzuela-Rendón, Hugo Terashima-Marín, and Eduardo Uresti-Charre. On the relativity in the assessment of blind optimization

algorithms and the problem-algorithm coevolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1436–1443, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1436.pdf>

- [1277223] Howard Tripp and Phil Palmer. Distribution replacement: how survival of the worst can out perform survival of the fittest. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1444–1451, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1444.pdf>

- [1277224] Richard A. Watson and Thomas Jansen. A building-block royal road where crossover is provably essential. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1452–1459, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1452.pdf>

- [1277225] W. R. M. U. K. Wickramasinghe, M. van Steen, and A. E. Eiben. Peer-to-peer evolutionary algorithms with adaptive autonomous selection. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1460–1467, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1460.pdf>

- [1277226] Huayang Xie, Mengjie Zhang, and Peter Andreae. Another investigation on tournament selection: modelling and visualisation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1468–1475, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1468.pdf>

- [1277227] Lu Yu, Jin Zhou, Shingo Mabuchi, Kotaro Hirasawa, Jinglu Hu, and Sandor Markon. Effects of passenger’s arrival distribution to double-deck elevator group supervisory

control systems using genetic network programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1476–1483, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1476.pdf>

- [1277228] Shude Zhou, Zengqi Sun, and Robert B. Heckendorn. Extended probe method for linkage discovery over high-cardinality alphabets. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1484–1491, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1484.pdf>

- [1277229] Antanas Zilinskas and Julius Zilinskas. Parallel genetic algorithm: assessment of performance in multidimensional scaling. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1492–1501, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1492.pdf>

- [1277231] Menouar Boulif and Karim Atif. A fuzzy genetic algorithm for the dynamic cell formation problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1502–1502, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1502.pdf>

- [1277232] Yan Chen, Shingo Mabu, Kotaro Hirasawa, and Jinglu Hu. Trading rules on stock markets using genetic network programming with sarsa learning. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1503–1503, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1503.pdf>

- [1277233] Marisol B. Correia and Carlos M. Fonseca. On the roles of redundancy and neutrality in evolutionary optimization: an experimental study. In Dirk Thierens, Hans-Georg

Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1504–1504, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1504.pdf>

- [1277234] Grzegorz Drzadzewski and Mark Wineberg. The effects of solution density in the search space on finding spatially robust solutions. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1505–1505, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1505.pdf>

- [1277235] A. E. Eiben, Marc Schoenauer, D. W. F. van Krevelen, M. C. Hobbelman, M. A. ten Hagen, and R. C. van het Schip. Autonomous selection in evolutionary algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1506–1506, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1506.pdf>

- [1277236] Magda Bahaa Eldin Fayek, Amira Samy Talaat, and Nevin Mahmoud Darwish. Generating classification trees for small disjuncts using incremental gas. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1507–1507, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1507.pdf>

- [1277237] Edgar Galvan-Lopez and Riccardo Poli. How and why a bit-wise neutrality with and without locality affects evolutionary search. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1508–1508, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1508.pdf>

- [1277238] Edgar Galvan-Lopez, Julian Togelius, and Simon Lucas. Towards understanding the effects of neutrality on the sudoku problem. In Dirk Thierens, Hans-Georg

Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1509–1509, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1509.pdf>

- [1277239] José García-Nieto, Enrique Alba, and Francisco Chicano. Using metaheuristic algorithms remotely via ros. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1510–1510, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1510.pdf>

- [1277240] Anca Gog, D. Dumitrescu, and Béat Hirsbrunner. Collaborative evolutionary algorithms for combinatorial optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1511–1511, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1511.pdf>

- [1277241] Eloy Gonzales, Kaoru Shimada, Shingo Mabu, Kotaro Hirasawa, and Jingle Hu. Genetic network programming with parallel processing for association rule mining in large and dense databases. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1512–1512, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1512.pdf>

- [1277242] Mario Graff, Riccardo Poli, and Alberto Moraglio. Linear selection. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1513–1513, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1513.pdf>

- [1277243] Lee K. Graham, Steffen Christensen, and Franz Oppacher. A simple genetic algorithm for reducible complexity. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon,

Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1514–1514, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1514.pdf>

- [1277244] Ramin Halavati, Saeed Bagheri Shouraki, Bahareh Jafari Jashmi, and Mojdeh Jalali Heravi. Symbiotic tabu search. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1515–1515, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1515.pdf>

- [1277245] Arvid Halma and Remi Turk. Adaptive markov recombination. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1516–1516, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1516.pdf>

- [1277246] Arne Hamann and Rolf Ernst. Efficient priority optimization in complex distributed embedded systems through search space adaptation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1517–1517, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1517.pdf>

- [1277247] Jun He and Yuren Zhou. A comparison of gas using penalizing infeasible solutions and repairing infeasible solutions on restrictive capacity knapsack problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1518–1518, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1518.pdf>

- [1277248] J. Ignacio Hidalgo, Francisco Fernandez de Vega, Juan Lanchares, and Daniel Lombrana. Is the island model fault tolerant? In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F.

Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1519–1519, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1519.pdf>

- [1277249] Inwook Hwang, Yong-Hyuk Kim, and Byung-Ro Moon. Overcoming barriers by a cluster-moving genetic algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1520–1520, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1520.pdf>

- [1277250] Colin G. Johnson. A genetic algorithm for coverage problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1521–1521, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1521.pdf>

- [1277251] Steven Orla Kimbrough and David Harlan Wood. On repair by binary interpolation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1522–1522, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1522.pdf>

- [1277252] Oliver Kramer and Patrick Koch. Self-adaptive partially mapped crossover. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1523–1523, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1523.pdf>

- [1277253] ao Tiago Leit Francisco B. Pereira, Jorge Tavares, and Ernesto Costa. Niching techniques: a study on the cluster geometry optimization problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference*

on *Genetic and evolutionary computation*, volume 2, pages 1524–1524, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1524.pdf>

- [1277254] Audrey J. W. Mbogho and Lori L. Scarlatos. Genetic parameter tuning for reliable segmentation of colored visual tags. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1525–1525, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1525.pdf>

- [1277255] J. J. Merelo and Carlos Cotta. Who is the best connected ec researcher? In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1526–1526, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1526.pdf>

- [1277256] George Mitchell, Barry McMullin, James Decraene, and Ciaran Kelly. Quality time tradeoff operator for designing efficient multi level genetic algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1527–1527, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1527.pdf>

- [1277257] Joshua L. Payne and Margaret J. Eppstein. Why your mates shouldn't date. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1528–1528, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1528.pdf>

- [1277258] Jella Pfeiffer and Franz Rothlauf. Analysis of greedy heuristics and weight-coded eas for multidimensional knapsack problems and multi-unit combinatorial auctions. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1529–1529, London, 7-11 July 2007. ACM Press.

- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1529.pdf>
- [1277259] oes Anabela Sim and Ernesto Costa. Vmea: studies on replacing strategies and diversity in dynamic environments. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1530–1530, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1530.pdf>
- [1277260] Forrest Sondahl and William Rand. Evolution of non-uniform cellular automata using a genetic algorithm: diversity and computation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1531–1531, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1531.pdf>
- [1277261] Alexander Stanoyevitch. Homogeneous genetic algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1532–1532, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1532.pdf>
- [1277262] Khadiza Tahera, Raafat N. Ibrahim, and Paul B. Lochert. Adopting dynamic operators in a genetic algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1533–1533, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1533.pdf>
- [1277263] Allan Tengg, Andreas Klausner, and Bernhard Rinner. An improved genetic algorithm for task allocation in distributed embedded systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1534–1534, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1534.pdf>

- [1277264] Chuan-Kang Ting. Multi-parent extension of edge recombination. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1535–1535, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1535.pdf>
- [1277265] Allan Tucker, Stephen Swift, and Jason Crampton. Efficiency updates for the restricted growth function ga for grouping problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1536–1536, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1536.pdf>
- [1277266] Cristina C. Vieira and Carlos M. Fonseca. A unified model of optimisation problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1537–1537, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1537.pdf>
- [1277267] Daniel N. Wilke, Schalk Kok, and Albert A. Groenwold. Reference frame and scale invariant real-parameter genetic and differential evolution algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1538–1538, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1538.pdf>
- [1277268] Yourim Yoon, Yong-Hyuk Kim, Alberto Moraglio, and Byung-Ro Moon. Geometric crossovers for real-code representation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1539–1539, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1539.pdf>
- [1277269] Shude Zhou and Zengqi Sun. Matrix interpretation of generalized embedded landscape. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke,

John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1540–1542, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1540.pdf>

- [1277271] Alexandros Agapitos, Julian Togelius, and Simon Mark Lucas. Evolving controllers for simulated car racing using object oriented genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1543–1550, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1543.pdf>

- [1277272] Khaled M. S. Badran and Peter I. Rockett. The roles of diversity preservation and mutation in preventing population collapse in multiobjective genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1551–1558, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1551.pdf>

- [1277273] Edmund K. Burke, Matthew R. Hyde, Graham Kendall, and John Woodward. Automatic heuristic generation with genetic programming: evolving a jack-of-all-trades or a master of one. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1559–1565, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1559.pdf>

- [1277274] Darren M. Chitty. A data parallel approach to genetic programming using programmable graphics hardware. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1566–1573, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1566.pdf>

- [1277275] Steffen Christensen and Franz Oppacher. Solving the artificial ant on the santa fe trail problem in 20,696 fitness evaluations. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon,

Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1574–1579, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1574.pdf>

- [1277276] Janet Clegg, James Alfred Walker, and Julian Frances Miller. A new crossover technique for cartesian genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1580–1587, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1580.pdf>

- [1277277] Stephen Dignum and Riccardo Poli. Generalisation of the limiting distribution of program sizes in tree-based genetic programming and analysis of its effects on bloat. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1588–1595, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1588.pdf>

- [1277278] Jan Drugowitsch and Alwyn M. Barry. Mixing independent classifiers. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1596–1603, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1596.pdf>

- [1277279] Laurence Hirsch, Robin Hirsch, and Masoud Saeedi. Evolving lucene search queries for text classification. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1604–1611, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1604.pdf>

- [1277280] David Jackson. Hierarchical genetic programming based on test input subsets. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle,

Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1612–1619, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1612.pdf>

- [1277281] Wojciech Jaskowski, Krzysztof Krawiec, and Bartosz Wieloch. Genetic programming for cross-task knowledge sharing. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1620–1627, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1620.pdf>

- [1277282] Jon Klein and Lee Spector. Unwitting distributed genetic programming via asynchronous javascript and xml. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1628–1635, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1628.pdf>

- [1277283] Moshe Looks. On the behavioral diversity of random programs. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1636–1642, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1636.pdf>

- [1277284] Leslie Luthi, Marco Tomassini, Mario Giacobini, and William B. Langdon. The genetic programming collaboration network and its communities. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1643–1650, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1643.pdf>

- [1277285] Hammad Majeed and Conor Ryan. Context-aware mutation: a modular, context aware mutation operator for genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and*

evolutionary computation, volume 2, pages 1651–1658, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1651.pdf>

- [1277286] Hammad Majeed and Conor Ryan. On the constructiveness of context-aware crossover. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1659–1666, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1659.pdf>

- [1277287] Oana Muntean, Laura Diosan, and Mihai Oltean. Best subtree genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1667–1673, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1667.pdf>

- [1277288] Michael Schmidt and Hod Lipson. Comparison of tree and graph encodings as function of problem complexity. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1674–1679, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1674.pdf>

- [1277289] Michael D. Schmidt and Hod Lipson. Learning noise. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1680–1685, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1680.pdf>

- [1277290] Shinichi Shirakawa, Shintaro Ogino, and Tomoharu Nagao. Graph structured program evolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1686–1693, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1686.pdf>

- [1277291] Matthew Smith and Larry Bull. Improving the human readability of features constructed by genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1694–1701, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1694.pdf>
- [1277292] Keith M. Sullivan and Sean Luke. Evolving kernels for support vector machine classification. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1702–1707, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1702.pdf>
- [1277293] Russell Thomason and Terence Soule. Novel ways of improving cooperation and performance in ensemble classifiers. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1708–1715, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1708.pdf>
- [1277294] Matthew Walker, Howard Edwards, and Chris Messom. The reliability of confidence intervals for computational effort comparisons. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1716–1723, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1716.pdf>
- [1277295] James Alfred Walker and Julian Francis Miller. Solving real-valued optimisation problems using cartesian genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1724–1730, London, 7-11 July 2007. ACM Press.
- URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1724.pdf>

- [1277296] Brian G. Woolley and Gilbert L. Peterson. Genetic evolution of hierarchical behavior structures. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1731–1738, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1731.pdf>
- [1277297] Huayang Xie, Mengjie Zhang, and Peter Andreae. An analysis of constructive crossover and selection pressure in genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1739–1748, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1739.pdf>
- [1277299] Mohamed Bahy Bader-El-Den and Riccardo Poli. A gp-based hyper-heuristic framework for evolving 3-sat heuristics. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1749–1749, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1749.pdf>
- [1277300] Xinye Cai, Stephen M. Welch, Praveen Koduru, and Sanjoy Das. Discovering structures in gene regulatory networks using genetic programming and particle swarms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1750–1750, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1750.pdf>
- [1277301] Gianluigi Folino, Clara Pizzuti, and Giandomenico Spezzano. Streamgp: tracking evolving gp ensembles in distributed data streams using fractal dimension. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1751–1751, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1751.pdf>

- [1277302] Daniel Lombrana Gonzalez and Francisco Fernández de Vega. Dynamic populations and length evolution: key factors for analyzing fault tolerance on parallel genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1752–1752, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1752.pdf>
- [1277303] R. E. Keller and R. Poli. Linear genetic programming of metaheuristics. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1753–1753, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1753.pdf>
- [1277304] Mitsunori Miki, Masafumi Hashimoto, and Yoshihisa Fujita. Program search with simulated annealing. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1754–1754, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1754.pdf>
- [1277305] Gearoid Murphy and Conor Ryan. Seeding methods for run transferable libraries. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1755–1755, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1755.pdf>
- [1277306] Amr M. Radi and Salah Yaseen El-Bakry. Genetic programming approach for positron collisions with alkali-metal atom. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1756–1756, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1756.pdf>
- [1277307] Michael Solano and Istvan Jonyer. Towards an optimal restart strategy for genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin

Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1757–1757, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1757.pdf>

- [1277308] Karla Taboada, Kaoru Shimada, Shingo Mabu, Kotaro Hirasawa, and Jinglu Hu. Association rule mining for continuous attributes using genetic network programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1758–1758, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1758.pdf>

- [1277309] Leonardo Vanneschi, Denis Rochat, and Marco Tomassini. Multi-optimization improves genetic programming generalization ability. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1759–1759, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1759.pdf>

- [1277310] Matthew Walker, Howard Edwards, and Chris Messom. "success effort" for performance comparisons. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1760–1760, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1760.pdf>

- [1277311] Phillip Lee-Ming Wong and Mengjie Zhang. Numerical-node building block analysis of genetic programming with simplification. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1761–1761, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1761.pdf>

- [1277312] Bart Wyns and Luc Boullart. Adaptive strategies for a semantically driven tree optimizer to control code growth. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry,

Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1762–1762, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1762.pdf>

- [1277313] Bart Wyns, Luc Boullart, and Pieter Jan De Smedt. Limiting code growth to improve robustness in tree-based genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1763–1763, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1763.pdf>

- [1277315] Shin Ando. Heuristic speciation for evolving neural network ensemble. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1766–1773, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1766.pdf>

- [1277316] Gavin Brown, Tim Kovacs, and James A. R. Marshall. Ucsprv: principled voting in ucs rule populations. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1774–1781, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1774.pdf>

- [1277317] Christian Gagné, Michèle Sebag, Marc Schoenauer, and Marco Tomassini. Ensemble learning for free with evolutionary algorithms? In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1782–1789, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1782.pdf>

- [1277318] Wojciech Jaskowski, Krzysztof Krawiec, and Bartosz Wieloch. Knowledge reuse in genetic programming applied to visual learning. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and*

evolutionary computation, volume 2, pages 1790–1797, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1790.pdf>

- [1277319] Xavier Llorà, Kumara Sastry, Tian-Li Yu, and David E. Goldberg. Do not match, inherit: fitness surrogates for genetics-based machine learning techniques. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1798–1805, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1798.pdf>

- [1277320] Daniele Loiacono, Andrea Marelli, and Pier Luca Lanzi. Support vector regression for classifier prediction. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1806–1813, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1806.pdf>

- [1277321] Pier Luca Lanzi, Martin V. Butz, and David E. Goldberg. Empirical analysis of generalization and learning in xcs with gradient descent. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1814–1821, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1814.pdf>

- [1277322] Pier Luca Lanzi and Daniele Loiacono. Classifier systems that compute action mappings. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1822–1829, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1822.pdf>

- [1277323] Ingo Mierswa. Controlling overfitting with multi-objective support vector machines. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1830–1837, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1830.pdf>

- [1277324] Albert Orriols-Puig, David E. Goldberg, Kumara Sastry, and Ester Bernadó-Mansilla. Modeling xcs in class imbalances: population size and parameter settings. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1838–1845, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1838.pdf>
- [1277325] Albert Orriols-Puig, Kumara Sastry, Pier Luca Lanzi, David E. Goldberg, and Ester Bernadó-Mansilla. Modeling selection pressure in xcs for proportionate and tournament selection. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1846–1853, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1846.pdf>
- [1277326] Kreangsak Tamee, Larry Bull, and Ouen Pinngern. Towards clustering with xcs. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1854–1860, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1854.pdf>
- [1277327] Hau Trung Tran, Cédric Sanza, Yves Duthen, and Thuc Dinh Nguyen. Xcsf with computed continuous action. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1861–1869, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1861.pdf>
- [1277329] Robert Cattral and Franz Oppacher. Discovering rules in the poker hand dataset. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1870–1870, London, 7-11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1870.pdf>
- [1277330] Hong-Wei Chen and Ying ping Chen. Introducing fault tolerance to xcs. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark,

Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1871–1871, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1871.pdf>

- [1277331] Drew DeHaas, Jesse Craig, Colin Rickert, Margaret J. Eppstein, Paul Haake, and Kirsten Stor. Feature selection and classification in noisy epistatic problems using a hybrid evolutionary approach. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1872–1872, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1872.pdf>

- [1277332] Laura Diosan, Mihai Oltean, Alexandrina Rogozan, and Jean Pierre Pecuchet. Genetically designed multiple-kernels for improving the svm performance. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1873–1873, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1873.pdf>

- [1277333] Avinahs Gandhe, Ssu-Hsin Yu, Raman Mehra, and Robert E. Smith. Fused, multi-spectral automatic target recognition with xcs. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1874–1874, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1874.pdf>

- [1277334] Leila Shila Shafti and Eduardo Pérez. Mdl-based fitness for feature construction. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1875–1875, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1875.pdf>

- [1277335] Anil Shankar, Sushil J. Louis, Sergiu Dascalu, Ramonah Hومانfar, and Linda J. Hayes. Xcs for adaptive user-interfaces. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon,

Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1876–1876, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1876.pdf>

- [1277336] Robert E. Smith and Max Kun Jiang. Milcs: a mutual information learning classifier system. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1877–1877, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1877.pdf>

- [1277338] Sofiane Achiche, Wei Wang, Zhun Fan, Ali Ozkil, Torben Sorensen, Jiachuan Wang, and Erik Goodman. Genetically generated double-level fuzzy controller with a fuzzy adjustment strategy. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1880–1887, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1880.pdf>

- [1277339] Adrian Agogino and Kagan Tumer. Evolving distributed agents for managing air traffic. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1888–1895, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1888.pdf>

- [1277340] Lourdes Araujo and Juan Julian Merelo. A genetic algorithm for dynamic modelling and prediction of activity in document streams. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1896–1903, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1896.pdf>

- [1277341] Nilanjan Banerjee and Rajeev Kumar. Multiobjective network design for realistic traffic models. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas

Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1904–1911, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1904.pdf>

- [1277342] Leticia Bolzani, Ernesto Sanchez, Massimiliano Schillaci, and Giovanni Squillero. Coupling ea and high-level metrics for the automatic generation of test blocks for peripheral cores. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1912–1919, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1912.pdf>

- [1277343] Chao-Hong Chen and Ying ping Chen. Real-coded ecga for economic dispatch. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1920–1927, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1920.pdf>

- [1277344] Jian-Hung Chen. Simultaneous optimization of production planning and inspection planning for flexible manufacturing systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1928–1935, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1928.pdf>

- [1277345] Chwee Seng Choo, Ching Lian Chua, and Su-Han Victor Tay. Automated red teaming: a proposed framework for military application. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1936–1942, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1936.pdf>

- [1277346] Gül Nildem Demir, A. Sima Uyar, and Sule Gündüz Ögüdücü. Graph-based sequence clustering through multiobjective evolutionary algorithms for web recommender systems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings*

of the 9th annual conference on Genetic and evolutionary computation, volume 2, pages 1943–1950, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1943.pdf>

- [1277347] Darren Doherty and Colm O’Riordan. A phenotypic analysis of gp-evolved team behaviours. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO ’07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1951–1958, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1951.pdf>

- [1277348] Gustavo Reis and Francisco Fernandez Vega. Electronic synthesis using genetic algorithms for automatic music transcription. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO ’07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1959–1966, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1959.pdf>

- [1277349] Mauro Dragoni and Andrea G. B. Tettamanzi. Evolutionary algorithms for reasoning in fuzzy description logics with fuzzy quantifiers. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO ’07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1967–1974, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1967.pdf>

- [1277350] Anna I. Esparcia-Alcazar, Lidia Lluch-Revert, Manuel Cardos, Ken Sharman, and J. J. Merelo. Configuring an evolutionary tool for the inventory and transportation problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO ’07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1975–1982, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1975.pdf>

- [1277351] Kai Fan, Anthony Brabazon, Conall O’Sullivan, and Michael O’Neill. Option pricing model calibration using a real-valued quantum-inspired evolutionary algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO ’07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1983–1990, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1983.pdf>

- [1277352] Manuel Förster, Bettina Bickel, Bernd Hardung, and Gabriella Kókai. Self-adaptive ant colony optimisation applied to function allocation in vehicle networks. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1991–1998, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1991.pdf>

- [1277353] Frank D. Francone, Larry M. Deschaine, and Jeffrey J. Warren. Discrimination of munitions and explosives of concern at f.e. warren afb using linear genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1999–2006, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p1999.pdf>

- [1277354] Paolo Geremia, Mauro Poian, and Silvia Poles. Genetic optimization for yacht design. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2007–2012, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2007.pdf>

- [1277355] Sean Hanna. Defining implicit objective functions for design problems. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2013–2020, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2013.pdf>

- [1277356] Boye Annfelt Hoverstad. Revisiting the personal satellite assistant: neuroevolution with a modified enforced sub-populations algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2021–2028, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2021.pdf>

- [1277357] Ping-Chu Hung, Ying ping Chen, and Hsiao Wen Zan. Characteristic determination for solid state devices with evolutionary computation: a case study. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2029–2036, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2029.pdf>
- [1277358] Jiri Jaros, Milos Ohlidal, and Vaclav Dvorak. An evolutionary approach to collective communication scheduling. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2037–2044, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2037.pdf>
- [1277359] Masoud Jenabi, S. Ali Torabi, and S. Afshin Mansouri. A hybrid ga for a supply chain production planning problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2045–2052, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2045.pdf>
- [1277360] Ralf Joost and Ralf Salomon. High quality offset printing: an evolutionary approach. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2053–2058, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2053.pdf>
- [1277361] René Jursa. Variable selection for wind power prediction using particle swarm optimization. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2059–2065, London, 7–11 July 2007. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2059.pdf>
- [1277362] Faten Kharbat, Larry Bull, and Mohammed Odeh. Mining breast cancer data with xcs. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke,

John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2066–2073, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2066.pdf>

- [1277363] John R. Koza, Sameer H. Al-Sakran, Lee W. Jones, and Greg Manassero. Automated synthesis of a fixed-length loaded symmetric dipole antenna whose gain exceeds that of a commercial antenna and matches the theoretical maximum. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2074–2081, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2074.pdf>

- [1277364] Robert Charles Lange and Spiros Mancoridis. Using code metric histograms and genetic algorithms to perform author identification for software forensics. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2082–2089, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2082.pdf>

- [1277365] Jae-Wook Lee, Sung-Soon Choi, and Byung-Ro Moon. An evolutionary keystroke authentication based on ellipsoidal hypothesis space. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2090–2097, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2090.pdf>

- [1277366] Xavier Llorà, Rohith Reddy, Brian Matesic, and Rohit Bhargava. Towards better than human capability in diagnosing prostate cancer using infrared spectroscopic imaging. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2098–2105, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2098.pdf>

- [1277367] Alan J. Lockett, Charles L. Chen, and Risto Miikkulainen. Evolving explicit opponent models in game playing. In Dirk Thierens, Hans-Georg Beyer, Josh

Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2106–2113, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2106.pdf>

- [1277368] Christopher McCubbin, David Scheidt, Oliver Bandte, Steven Marshall, and Iavor Trifonov. Using genetic algorithms for naval subsystem damage assessment and design improvements. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2114–2121, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2114.pdf>

- [1277369] Jörn Mehnen, Rajkumar Roy, Petra Kersting, and Tobias Wagner. Icspea: evolutionary five-axis milling path optimisation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2122–2128, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2122.pdf>

- [1277370] Oluwarotimi Odeh, Praveen Koduru, Sanjoy Das, Allen M. Featherstone, and Stephen M. Welch. A multi-objective approach for the prediction of loan defaults. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2129–2136, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2129.pdf>

- [1277371] Michael R. Peterson, Gary B. Lamont, Frank Moore, and Patrick Marshall. Targeted filter evolution for improved image reconstruction resolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2137–2144, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2137.pdf>

- [1277372] David Powell and Joel Hollingsworth. A nsga-ii, web-enabled, parallel optimization framework for nlp and minlp. In Dirk Thierens, Hans-Georg Beyer, Josh

Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2145–2150, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2145.pdf>

- [1277373] Juan C. Quiroz, Sushil J. Louis, and Sergiu M. Dascalu. Interactive evolution of xul user interfaces. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2151–2158, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2151.pdf>

- [1277374] Rafael Ramirez and Amaury Hazan. Inducing a generative expressive performance model using a sequential-covering genetic algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2159–2166, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2159.pdf>

- [1277375] Joe Sullivan and Conor Ryan. A destructive evolutionary process: a pilot implementation. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2167–2173, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2167.pdf>

- [1277376] Stephen Swift, Allan Tucker, Jason Crampton, and David Garway-Heath. An improved restricted growth function genetic algorithm for the consensus clustering of retinal nerve fibre data. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2174–2181, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2174.pdf>

- [1277377] H. Terashima-Marin, C. J. Farias Zarate, P. Ross, and M. Valenzuela-Rendon. Comparing two models to generate hyper-heuristics for the 2d-regular bin-packing problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin

Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2182–2189, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2182.pdf>

- [1277378] Raghunathan Thangavelu and S. Pradeep. An online implementable differential evolution tuned optimal guidance law. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2190–2194, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2190.pdf>

- [1277379] Tobias Wagner, Thomas Michelitsch, and Alexei Sacharow. On the design of optimisers for surface reconstruction. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2195–2202, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2195.pdf>

- [1277380] Chi-Way Wang, Lei-Ming Sun, Ming-Hui Jin, Chung-Jung Fu, Li Liu, Chen-Hsiung Chan, and Cheng-Yan Kao. A genetic algorithm for resident physician scheduling problem. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2203–2210, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2203.pdf>

- [1277381] Jun Wang, Ning Jing, Jun Li, and Zhong Hui Chen. A multi-objective imaging scheduling approach for earth observing satellites. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2211–2218, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2211.pdf>

- [1277382] David C. Wedge, Simon J. Gaskell, Simon J. Hubbard, Douglas B. Kell, King Wai Lau, and Claire Eysers. Peptide detectability following esi mass spectrometry: prediction using genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon,

Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2219–2225, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2219.pdf>

- [1277383] Wei Yan and Christopher D. Clack. Diverse committees vote for dependable profits. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2226–2233, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2226.pdf>

- [1277384] Wei Yan and Christopher D. Clack. Evolving robust gp solutions for hedge fund stock selection in emerging markets. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2234–2241, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2234.pdf>

- [1277385] Lyudmila Zinchenko, Matthias Radecker, and Fabio Bisogno. Multi-objective univariate marginal distribution optimisation of mixed analogue-digital signal circuits. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2242–2251, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2242.pdf>

- [1277387] Antonia Azzini and Andrea G. B. Tettamanzi. Automated trading on financial instruments with evolved neural networks. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2252–2252, London, 7–11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2252.pdf>

- [1277388] Manuel Cebrian, Manuel Alfonseca, and Alfonso Ortega. Automatic generation of benchmarks for plagiarism detection tools using grammatical evolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs,

Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2253–2253, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2253.pdf>

[1277389]

Dan Costelloe and Conor Ryan. Towards models of user preferences in interactive musical evolution. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2254–2254, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2254.pdf>

[1277390]

Ronan Cummins and Colm O’Riordan. Using genetic programming for information retrieval: local and global query expansion. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2255–2255, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2255.pdf>

[1277391]

Gregoire Danoy, Enrique Alba, Pascal Bouvry, and Matthias Brust. Optimal design of ad hoc injection networks by using genetic algorithms. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2256–2256, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2256.pdf>

[1277392]

Jonathan Duke and Christopher D. Clack. Using an evolutionary agent-based simulation to explore hedging pressure in futures markets. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2257–2257, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2257.pdf>

[1277393]

Jason C. Isaacs, Simon Foo, and Anke Meyer-Baese. Evolutionary computation-based kernel optimal component analysis for pattern recognition. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo

Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2258–2258, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2258.pdf>

- [1277394] Rajeev Kumar and Pramod Kumar Singh. On quality performance of heuristic and evolutionary algorithms for biobjective minimum spanning trees. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2259–2259, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2259.pdf>

- [1277395] Chih-Chung Lai, Chuan-Kang Ting, and Ren-Song Ko. An effective genetic algorithm for improving wireless sensor network lifetime. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2260–2260, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2260.pdf>

- [1277396] Nuno C. Lourenço and Nuno C. Horta. Automatic analog ic layout generation based on a evolutionary computation approach. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2261–2261, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2261.pdf>

- [1277397] Irwin Ma, Tony Wong, and Thiagas Sankar. Volatility forecasting using time series data mining and evolutionary computation techniques. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2262–2262, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2262.pdf>

- [1277398] Shingo Mabu, Yan Chen, Kotaro Hirasawa, and Jinglu Hu. Genetic network programming with actor-critic and its application to stock trading model. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan,

Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2263–2263, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2263.pdf>

- [1277399] David Oranchak. Evolutionary synthesis of photographic artwork using human fitness function derived from web-based social networks. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2264–2264, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2264.pdf>

- [1277400] Ivan Sekaj, Juraj Perkacz, and Tomas Palenik. Controller design based on genetic programming. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2265–2265, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2265.pdf>

- [1277401] Ofer M. Shir, Thomas Bäck, and Marc J. J. Vrakking. On the scalability of evolution strategies in the optimization of dynamic molecular alignment. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2266–2266, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2266.pdf>

- [1277402] Mohammad Tufail and Lindell E. Ormsbee. Genetic algorithms for water quality management in an urban watershed. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2267–2267, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2267.pdf>

- [1277403] Chris J. Turner and Ashutosh Tiwari. An experimental evaluation of genetic process mining. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings*

of the 9th annual conference on Genetic and evolutionary computation, volume 2, pages 2268–2268, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2268.pdf>

[1277404]

Neil B. Urquhart. Carbon-friendly travel plan construction using an evolutionary algorithm. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2269–2269, London, 7-11 July 2007. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2007/docs/p2269.pdf>

[gecco:2007]

Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener, editors. *GECCO 2007: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, London, UK, 7-11 July 2007. ACM Press.