

Список литературы

- [Abido(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 726–733 (ACM Press, London, 2007).
- [Abraham et al.(2007)Abraham, Das, and Konar] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 2–9 (ACM Press, London, 2007).
- [Achiche et al.(2007)Achiche, Wang, Fan, Ozkil, Sorensen, Wang, and Goodman] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1880–1887 (ACM Press, London, 2007).
- [Adra et al.(2007)Adra, Griffin, and Fleming] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 734–740 (ACM Press, London, 2007).
- [Agapitos et al.(2007)Agapitos, Togelius, and Lucas] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1543–1550 (ACM Press, London, 2007).
- [Aggarwal and O'Reilly(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 741–748 (ACM Press, London, 2007).
- [Agogino and Tumer(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1888–1895 (ACM Press, London, 2007).
- [Aguirre et al.(2007)Aguirre, Okazaki, and Fuwa] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 749–756 (ACM Press, London, 2007).
- [Ahn and Ramakrishna(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 593–600 (ACM Press, London, 2007).
- [Alba and Chicano(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 10–17 (ACM Press, London, 2007a).
- [Alba and Chicano(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1066–1073 (ACM Press, London, 2007b).
- [Alharbi et al.(2007)Alharbi, Rand, and Riolo] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1158–1164 (ACM Press, London, 2007).
- [Anabela Sim and Costa(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1530–1530 (ACM Press, London, 2007).
- [Anastasiadis et al.(2007)Anastasiadis, Georgoulas, Magoulas, and Tzes] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 168–168 (ACM Press, London, 2007).
- [Ando(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1766–1773 (ACM Press, London, 2007).
- [Araujo and Merelo(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1896–1903 (ACM Press, London, 2007).
- [Arnold(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 634–641 (ACM Press, London, 2007).
- [Au and Leung(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 488–488 (ACM Press, London, 2007).
- [Auger and Teytaud(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 916–922 (ACM Press, London, 2007).
- [Ayari et al.(2007)] Ayari, Bouktif, and Antoniol] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1074–1081 (ACM Press, London, 2007).
- [Azzini and Tettamanzi(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2252–2252 (ACM Press, London, 2007).
- [Bacardit et al.(2007)Bacardit, Stout, Hirst, Sastry, Llorà, and Krasnogor] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 346–353 (ACM Press, London, 2007).
- [Baddeley and Philippides(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 334–334 (ACM Press, London, 2007).
- [Bader-El-Den and Poli(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1749–1749 (ACM Press, London, 2007).
- [Badran and Rockett(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1551–1558 (ACM Press, London, 2007).
- [Baig and Rashid(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 169–169 (ACM Press, London, 2007).
- [Bailey and Raich(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 902–902 (ACM Press, London, 2007).

- [Banerjee and Kumar(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1904–1911 (ACM Press, London, 2007).
- [Bazzoli et al.(2007)] Bazzoli, Colombo, and Tettamanzi] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 424–424 (ACM Press, London, 2007).
- [Becerra et al.(2007)] Becerra, Coello Coello, Hernández-Díaz, Caballero, and Molina] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 757–754 (ACM Press, London, 2007).
- [Becker et al.(2007)] Becker, Trendelenburg, Henrici, and Manoli] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 190–197 (ACM Press, London, 2007).
- [Bird and Li(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 18–25 (ACM Press, London, 2007).
- [Bleuler and Zitzler(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 354–360 (ACM Press, London, 2007).
- [Bolzani et al.(2007)] Bolzani, Sanchez, Schillaci, and Squillero] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1912–1919 (ACM Press, London, 2007).

- [Bongard(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 198–205 (ACM Press, London, 2007a).
- [Bongard(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 214–221 (ACM Press, London, 2007b).
- [Borgulya(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 903–903 (ACM Press, London, 2007).
- [Bosman et al.(2007)Bosman, Grahl, and Rothlauf] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 492–499 (ACM Press, London, 2007).
- [Bosman and Poutré(2007)] Peter A. N. Bosman and Han La Poutré. *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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1165–1172 (ACM Press, London, 2007).
- [Bosman and Thierens(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 500–507 (ACM Press, London, 2007).
- [Boulif and Atif(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1502–1502 (ACM Press, London, 2007).

- [Branke et al.(2007)Branke, Lode, and Shapiro] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 508–515 (ACM Press, London, 2007).
- [Brockhoff et al.(2007)Brockhoff, Friedrich, Hebbinghaus, Klein, Neumann, and Zitzler] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 765–772 (ACM Press, London, 2007).
- [Brodu(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 336–336 (ACM Press, London, 2007).
- [Brookes and Demeler(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 361–368 (ACM Press, London, 2007).
- [Brown et al.(2007)Brown, Kovacs, and Marshall] Gavin Brown, Tim Kovacs, and James A. R. Marshall. *UCSpv: 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1774–1781 (ACM Press, London, 2007).
- [Bryce and Colbourn(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1082–1089 (ACM Press, London, 2007).
- [Bucci and Pollack(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 434–439 (ACM Press, London, 2007).
- [Bull and Uroukov(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 369–376 (ACM Press, London, 2007).
- [Bullinaria(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 222–229 (ACM Press, London, 2007).
- [Burke et al.(2007)Burke, Hyde, Kendall, and Woodward] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1559–1565 (ACM Press, London, 2007).
- [Cai et al.(2007a)Cai, Welch, Koduru, and Das] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1750–1750 (ACM Press, London, 2007a).
- [Cai et al.(2007b)Cai, Sun, Xu, and Jia] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 609–616 (ACM Press, London, 2007b).
- [Cattal and Oppacher(2007)] Robert Cattal 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1870–1870 (ACM Press, London, 2007).

- [Cayzer and Sullivan(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 26–32 (ACM Press, London, 2007).
- [Cebrian et al.(2007)] Cebrian, Alfonso, and Ortega] Manuel Cebrian, Manuel Alfonso, 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2253–2253 (ACM Press, London, 2007).
- [Chan et al.(2007)] Chan, Leung, and Lee] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 377–384 (ACM Press, London, 2007).
- [Chavoya and Duthen(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1062–1062 (ACM Press, London, 2007).
- [Chen and ping Chen(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1920–1927 (ACM Press, London, 2007a).
- [Chen and ping Chen(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1871–1871 (ACM Press, London, 2007b).
- [Chen(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1928–1935 (ACM Press, London, 2007).

- [Chen et al.(2007a)Chen, Mabu, Hirasawa, and Hu] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1503–1503 (ACM Press, London, 2007a).
- [Chen et al.(2007b)Chen, Hu, Hirasawa, and Yu] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1173–1178 (ACM Press, London, 2007b).
- [Chiotis and Clack(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1179–1186 (ACM Press, London, 2007).
- [Chitty(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1566–1573 (ACM Press, London, 2007).
- [Choo et al.(2007)Choo, Chua, and Tay] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1936–1942 (ACM Press, London, 2007).
- [Christensen and Oppacher(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1574–1579 (ACM Press, London, 2007).
- [Clegg et al.(2007a)Clegg, Walker, and Miller] 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 (eds.) *GECCO '07: Proceedings of the*

9th annual conference on Genetic and evolutionary computation, volume 2, pp. 1580–1587 (ACM Press, London, 2007a).

- [Clegg et al.(2007b)Clegg, Stepney, and Clarke] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 966–973 (ACM Press, London, 2007b).
- [Coffin and Smith(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 624–624 (ACM Press, London, 2007).
- [Contreras(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 206–213 (ACM Press, London, 2007).
- [Corne and Knowles(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 773–780 (ACM Press, London, 2007).
- [Correia and Fonseca(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1504–1504 (ACM Press, London, 2007).
- [Costelloe and Ryan(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2254–2254 (ACM Press, London, 2007).
- [Cummins and O’Riordan(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2255–2255 (ACM Press, London, 2007).

- [Curran et al.(2007a)Curran, O’Riordan, and Sorensen] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 337–337 (ACM Press, London, 2007a).
- [Curran et al.(2007b)Curran, O’Riordan, and Sorensen] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 338–338 (ACM Press, London, 2007b).
- [D’Ambrosio and Stanley(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 974–981 (ACM Press, London, 2007).
- [Danoy et al.(2007)Danoy, Alba, Bouvry, and Brust] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2256–2256 (ACM Press, London, 2007).
- [de Abreu et al.(2007)de Abreu, Martins, and de Sousa] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1138–1138 (ACM Press, London, 2007).
- [de Freitas and Mayer(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 170–170 (ACM Press, London, 2007).
- [De Jong(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 440–447 (ACM Press, London, 2007).
- [de Lima et al.(2007)de Lima, Faccioli, Gabriel, Delbem, and Nunes da Silva] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 425–425 (ACM Press, London, 2007).
- [de Melo et al.(2007)de Melo, Delbem, Dorival Leao Pinto, and Federson] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1195–1202 (ACM Press, London, 2007).
- [Deb and Kumar(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 781–788 (ACM Press, London, 2007).
- [Deb et al.(2007)Deb, Sindhya, and Okabe] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1187–1194 (ACM Press, London, 2007).
- [DeHaas et al.(2007)DeHaas, Craig, Rickert, Eppstein, Haake, and Stor] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1872–1872 (ACM Press, London, 2007).
- [Demir et al.(2007)Demir, Uyar, and Ögüdücü] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1943–1950 (ACM Press, London, 2007).

- [Devert et al.(2007)Devert, Bredeche, and Schoenauer] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 982–989 (ACM Press, London, 2007).
- [Di Chio et al.(2007)Di Chio, Poli, and Di Chio] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 230–237 (ACM Press, London, 2007).
- [Di Penta et al.(2007)Di Penta, Canfora, Esposito, Mazza, and Bruno] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1090–1097 (ACM Press, London, 2007).
- [Dignum and Poli(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1588–1595 (ACM Press, London, 2007).
- [Diosan et al.(2007)Diosan, Oltean, Rogozan, and Pecuchet] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1873–1873 (ACM Press, London, 2007).
- [Divina and Aguilar-Ruiz(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 385–392 (ACM Press, London, 2007).

- [Doerr and Johannsen(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1203–1210 (ACM Press, London, 2007).
- [Doerr et al.(2007)Doerr, Neumann, Sudholt, and Witt] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 33–40 (ACM Press, London, 2007).
- [Doherty and O’Riordan(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1951–1958 (ACM Press, London, 2007).
- [Dong and Liang(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1211–1218 (ACM Press, London, 2007).
- [Downing(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 990–996 (ACM Press, London, 2007).
- [Dragoni and Tettamanzi(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1967–1974 (ACM Press, London, 2007).
- [Drugowitsch and Barry(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1596–1603 (ACM Press, London, 2007).
- [Drzadzewski and Wineberg(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1505–1505 (ACM Press, London, 2007).
- [Duke and Clack(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2257–2257 (ACM Press, London, 2007).
- [Ebner(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 642–649 (ACM Press, London, 2007).
- [Eiben et al.(2007a)] Eiben, Schoenauer, van Krevelen, Hobbelman, ten Hagen, and van het Schip] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1506–1506 (ACM Press, London, 2007a).
- [Eiben et al.(2007b)] Eiben, Bekker, Griffioen, and Haasdijk] Gusz 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 335–335 (ACM Press, London, 2007b).
- [Esparcia-Alcazar et al.(2007)] Esparcia-Alcazar, Lluch-Revert, Cardos, Sharman, and Merelo] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1975–1982 (ACM Press, London, 2007).
- [Estévez and Lipson(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 238–244 (ACM Press, London, 2007).

- [Fan et al.(2007)Fan, Brabazon, O’Sullivan, and O’Neill] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1983–1990 (ACM Press, London, 2007).
- [Fayek et al.(2007)Fayek, Talaat, and Darwish] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1507–1507 (ACM Press, London, 2007).
- [Fernandes et al.(2007)Fernandes, Rosa, and Ramos] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 41–48 (ACM Press, London, 2007).
- [Fernando and Rowe(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 426–426 (ACM Press, London, 2007).
- [Ferreira et al.(2007)Ferreira, Fonseca, and Gaspar-Cunha] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 789–796 (ACM Press, London, 2007).
- [Figueredo et al.(2007)Figueredo, Ebecken, and Barbosa] Graziela Patrocinio 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 171–171 (ACM Press, London, 2007).
- [Folino et al.(2007)Folino, Pizzuti, and Spezzano] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1751–1751 (ACM Press, London, 2007).
- [Förster et al.(2007)Förster, Bickel, Hardung, and Kókai] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1991–1998 (ACM Press, London, 2007).
- [Francone et al.(2007)Francone, Deschaine, and Warren] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1999–2006 (ACM Press, London, 2007).
- [Friedrich et al.(2007a)Friedrich, Hebbinghaus, and Neumann] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1219–1225 (ACM Press, London, 2007a).
- [Friedrich et al.(2007b)Friedrich, Hebbinghaus, Neumann, He, and Witt] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 797–804 (ACM Press, London, 2007b).
- [Gagné et al.(2007)Gagné, Sebag, Schoenauer, and Tomassini] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1782–1789 (ACM Press, London, 2007).
- [Gajda and Sekanina(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th*

annual conference on Genetic and evolutionary computation, volume 1, pp. 245–252 (ACM Press, London, 2007).

- [Gallardo et al.(2007)Gallardo, Cotta, and Fernandez] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1226–1233 (ACM Press, London, 2007).
- [Galvan-Lopez and Poli(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1508–1508 (ACM Press, London, 2007).
- [Galvan-Lopez et al.(2007)Galvan-Lopez, Togelius, and Lucas] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1509–1509 (ACM Press, London, 2007).
- [Gandhe et al.(2007)Gandhe, Yu, Mehra, and Smith] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1874–1874 (ACM Press, London, 2007).
- [García-Nieto et al.(2007a)García-Nieto, Alba, and Chicano] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1510–1510 (ACM Press, London, 2007a).
- [García-Nieto et al.(2007b)García-Nieto, Alba, Jourdan, and Talbi] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 427–427 (ACM Press, London, 2007b).
- [Garibay and Wu(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1234–1241 (ACM Press, London, 2007).
- [Gauci and Stanley(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 997–1004 (ACM Press, London, 2007).
- [Geremia et al.(2007)Geremia, Poian, and Poles] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2007–2012 (ACM Press, London, 2007).
- [Gog et al.(2007)Gog, Dumitrescu, and Hirsbrunner] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1511–1511 (ACM Press, London, 2007).
- [Gomez and Fuentes(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 722–722 (ACM Press, London, 2007).
- [Gong and Tuson(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 172–172 (ACM Press, London, 2007a).
- [Gong and Tuson(2007b)] Tao Gong and Andrew L. Tuson. *Enhanced forma 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 923–930 (ACM Press, London, 2007b).
- [Gonzales et al.(2007)Gonzales, Shimada, Mabu, Hirasawa, and Hu] Eloy Gonzales, Kaoru Shimada, Shingo Mabu, Kotaro Hirasawa, and Jinglu 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1512–1512 (ACM Press, London, 2007).
- [Gonzalez and de Vega(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1752–1752 (ACM Press, London, 2007).
- [Gotshall and Soule(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 253–260 (ACM Press, London, 2007).
- [Graff et al.(2007)Graff, Poli, and Moraglio] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1513–1513 (ACM Press, London, 2007).
- [Graham et al.(2007)Graham, Christensen, and Oppacher] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1514–1514 (ACM Press, London, 2007).
- [Grahl et al.(2007)Grahl, Bosman, and Minner] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 516–522 (ACM Press, London, 2007).
- [Grajdeanu(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1005–1012 (ACM Press, London, 2007).

- [Greensmith and Aickelin(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 49–56 (ACM Press, London, 2007).
- [Grimme et al.(2007)Grimme, Lepping, and Papaspyrou] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 805–812 (ACM Press, London, 2007).
- [Gui et al.(2007)Gui, Das, and Pahwa] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 261–268 (ACM Press, London, 2007).
- [Haddow and Hoyer(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1013–1020 (ACM Press, London, 2007).
- [Halavati et al.(2007a)Halavati, Shouraki, Heravi, and Jashmi] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 57–62 (ACM Press, London, 2007a).
- [Halavati et al.(2007b)Halavati, Shouraki, Jashmi, and Heravi] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1515–1515 (ACM Press, London, 2007b).
- [Halma and Turk(2007)] 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 (eds.) *GECCO*

'07: *Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1516–1516 (ACM Press, London, 2007).

- [Hamann and Ernst(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1517–1517 (ACM Press, London, 2007).
- [Hanada et al.(2007)Hanada, Hiroyasu, and Miki] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1242–1249 (ACM Press, London, 2007).
- [Hanna(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2013–2020 (ACM Press, London, 2007).
- [Harada et al.(2007)Harada, Sakuma, Kobayashi, and Ono] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 813–820 (ACM Press, London, 2007).
- [Harding et al.(2007)Harding, Miller, and Banzhaf] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1021–1028 (ACM Press, London, 2007).
- [Harman and Tratt(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1106–1113 (ACM Press, London, 2007).
- [Hauschild et al.(2007)Hauschild, Pelikan, Lima, and Sastry] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 523–530 (ACM Press, London, 2007).

[He and Zhou(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1518–1518 (ACM Press, London, 2007).

[Heien et al.(2007)Heien, Hiroyasu, and Fujimoto] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 625–625 (ACM Press, London, 2007).

[Hengjie et al.(2007)Hengjie, Chunyan, and Zhiqi] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 339–339 (ACM Press, London, 2007).

[Hidalgo et al.(2007)Hidalgo, de Vega, Lanchares, and Lombrana] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1519–1519 (ACM Press, London, 2007).

[Hippolyte et al.(2007)Hippolyte, Bloch, Chatonnay, Espanet, and Chamagne] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1250–1255 (ACM Press, London, 2007).

[Hiroyasu et al.(2007)Hiroyasu, Yoshii, and Miki] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 904–904 (ACM Press, London, 2007).

- [Hirsch et al.(2007)Hirsch, Hirsch, and Saeedi] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1604–1611 (ACM Press, London, 2007).
- [Ho and Tay(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 821–828 (ACM Press, London, 2007).
- [Horn(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 448–455 (ACM Press, London, 2007).
- [Hoverstad(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2021–2028 (ACM Press, London, 2007).
- [Hsieh et al.(2007)Hsieh, Chen, and ping Chen] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 650–657 (ACM Press, London, 2007).
- [Hung et al.(2007)Hung, ping Chen, and Zan] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2029–2036 (ACM Press, London, 2007).
- [Hwang et al.(2007)Hwang, Kim, and Moon] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1520–1520 (ACM Press, London, 2007).
- [Iclanzan and Dumitrescu(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1256–1263 (ACM Press, London, 2007).
- [Isaacs et al.(2007)Isaacs, Foo, and Meyer-Baese] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2258–2258 (ACM Press, London, 2007).
- [Ishibuchi et al.(2007)Ishibuchi, Nojima, Tsukamoto, and Ohara] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 829–836 (ACM Press, London, 2007).
- [Jackson(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1612–1619 (ACM Press, London, 2007).
- [Jansen and Theile(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 931–938 (ACM Press, London, 2007).
- [Jansen and Weyland(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 939–946 (ACM Press, London, 2007).
- [Jaros et al.(2007)Jaros, Ohlidal, and Dvorak] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2037–2044 (ACM Press, London, 2007).
- [Jaskowski et al.(2007a)Jaskowski, Krawiec, and Wieloch] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1620–1627 (ACM Press, London, 2007a).
- [Jaskowski et al.(2007b)Jaskowski, Krawiec, and Wieloch] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1790–1797 (ACM Press, London, 2007b).
- [Jenabi et al.(2007)Jenabi, Torabi, and Mansouri] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2045–2052 (ACM Press, London, 2007).
- [Johnson(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1521–1521 (ACM Press, London, 2007).
- [Johnson et al.(2007)Johnson, Tauritz, and Wilkerson] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 837–844 (ACM Press, London, 2007).
- [Joost and Salomon(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2053–2058 (ACM Press, London, 2007).

- [Jursa(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2059–2065 (ACM Press, London, 2007).
- [Kabli et al.(2007)Kabli, Herrmann, and McCall] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1264–1271 (ACM Press, London, 2007).
- [Kassahun et al.(2007)Kassahun, Edgington, Metzen, Sommer, and Kirchner] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1029–1036 (ACM Press, London, 2007).
- [Keedwell and Narayanan(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 428–428 (ACM Press, London, 2007).
- [Keller and Poli(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1753–1753 (ACM Press, London, 2007).
- [Khan et al.(2007a)Khan, Naeem, and Shah] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 63–69 (ACM Press, London, 2007a).
- [Khan et al.(2007b)Khan, Miller, and Halliday] 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 (eds.) *GECCO*

'07: *Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 269–276 (ACM Press, London, 2007b).

- [Kharbat et al.(2007)Kharbat, Bull, and Odeh] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2066–2073 (ACM Press, London, 2007).
- [Khor(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 277–284 (ACM Press, London, 2007).
- [Kim(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 285–292 (ACM Press, London, 2007).
- [Kim et al.(2007)Kim, Aggarwal, O'Reilly, and Medard] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1272–1279 (ACM Press, London, 2007).
- [Kimbrough and Wood(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1522–1522 (ACM Press, London, 2007).
- [Kiper et al.(2007)Kiper, Feather, and Richardson] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1139–1139 (ACM Press, London, 2007).
- [Kirley and Stewart(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th*

annual conference on Genetic and evolutionary computation, volume 1, pp. 845–852 (ACM Press, London, 2007).

- [Kleeman et al.(2007)Kleeman, Lamont, Hopkinson, and Graham] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 905–905 (ACM Press, London, 2007).
- [Klein and Spector(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1628–1635 (ACM Press, London, 2007).
- [Knight and Lunacek(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 658–665 (ACM Press, London, 2007).
- [Knoester et al.(2007)Knoester, McKinley, and Ofria] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 293–300 (ACM Press, London, 2007).
- [Koduru et al.(2007a)Koduru, Das, and Welch] Praveen Koduru, Sanjoy Das, and Stephen M. Welch. *Multi-objective hybrid PSO using ϵ -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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 853–860 (ACM Press, London, 2007a).
- [Koduru et al.(2007b)Koduru, Welch, and Das] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 70–77 (ACM Press, London, 2007b).
- [Kowaliw et al.(2007)Kowaliw, Grogono, and Kharmia] Taras Kowaliw, Peter Grogono, and Nawwaf Kharmia. *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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1037–1044 (ACM Press, London, 2007).
- [Kowall and Krent(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 340–340 (ACM Press, London, 2007).
- [Koza et al.(2007)Koza, Al-Sakran, Jones, and Manassero] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2074–2081 (ACM Press, London, 2007).
- [Kramer et al.(2007a)Kramer, Brügger, and Lazovic] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 666–673 (ACM Press, London, 2007a).
- [Kramer et al.(2007b)Kramer, Gloger, and Goebels] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 674–681 (ACM Press, London, 2007b).
- [Kramer and Koch(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1523–1523 (ACM Press, London, 2007).
- [Küçükural et al.(2007)Küçükural, Yeniterzi, Yeniterzi, and Sezerman] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 401–406 (ACM Press, London, 2007).

- [Kumar and Singh(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2259–2259 (ACM Press, London, 2007).
- [Lai et al.(2007)Lai, Ting, and Ko] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2260–2260 (ACM Press, London, 2007).
- [Lakhotia et al.(2007)Lakhotia, Harman, and McMinn] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1098–1105 (ACM Press, London, 2007).
- [Lam et al.(2007)Lam, Nicolaevna, and Quan] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 174–174 (ACM Press, London, 2007).
- [Lange and Mancoridis(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2082–2089 (ACM Press, London, 2007).
- [Lanzi et al.(2007)Lanzi, Butz, and Goldberg] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1814–1821 (ACM Press, London, 2007).
- [Lanzi and Loiacono(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1822–1829 (ACM Press, London, 2007).

- [Latham et al.(2007)Latham, Shaw, Todd, and Leymarie] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 429–429 (ACM Press, London, 2007).
- [Lavagna(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 175–175 (ACM Press, London, 2007).
- [Lee et al.(2007)Lee, Choi, and Moon] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2090–2097 (ACM Press, London, 2007).
- [León et al.(2007)León, Miranda, and Segura] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 906–906 (ACM Press, London, 2007).
- [Li et al.(2007a)Li, Bhanu, and Krawiec] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 456–463 (ACM Press, London, 2007a).
- [Li et al.(2007b)Li, Bhanu, and Krawiec] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 489–489 (ACM Press, London, 2007b).
- [Li(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 78–85 (ACM Press, London, 2007).
- [Li et al.(2007c)Li, Branke, and Kirley] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 907–907 (ACM Press, London, 2007c).
- [Li and Goodman(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1280–1287 (ACM Press, London, 2007).
- [Li and Rudolph(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 908–908 (ACM Press, London, 2007).
- [Liaskos et al.(2007)Liaskos, Roper, and Wood] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1140–1140 (ACM Press, London, 2007).
- [Lichodziejewski and Heywood(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 464–471 (ACM Press, London, 2007).
- [Lim et al.(2007)Lim, Ong, Jin, and Sendhoff] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1288–1295 (ACM Press, London, 2007).
- [Lipinski(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 531–538 (ACM Press, London, 2007).
- [Liu et al.(2007)Liu, Wang, Zhu, Bai, Zhang, and Liu] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1141–1141 (ACM Press, London, 2007).
- [Llorà et al.(2007a)Llorà, Reddy, Matesic, and Bhargava] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2098–2105 (ACM Press, London, 2007a).
- [Llorà et al.(2007b)Llorà, Sastry, Yu, and Goldberg] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1798–1805 (ACM Press, London, 2007b).
- [Lockett et al.(2007)Lockett, Chen, and Miikkulainen] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2106–2113 (ACM Press, London, 2007).
- [Loiacono et al.(2007)Loiacono, Marelli, and Lanzi] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1806–1813 (ACM Press, London, 2007).
- [Looks(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 626–626 (ACM Press, London, 2007a).

- [Looks(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1636–1642 (ACM Press, London, 2007b).
- [Looks(2007c)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 539–546 (ACM Press, London, 2007c).
- [Looks et al.(2007a)Looks, Goertzel, de Souza Coelho, Mudado, and Pennachin] 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 moses*. In Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 407–414 (ACM Press, London, 2007a).
- [Looks et al.(2007b)Looks, Goertzel, de Souza Coelho, Mudado, and Pennachin] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 430–430 (ACM Press, London, 2007b).
- [Lourenço and Horta(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2261–2261 (ACM Press, London, 2007).
- [Luke et al.(2007)Luke, Sharma, and Balan] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 86–93 (ACM Press, London, 2007).
- [Luna et al.(2007)Luna, Blum, Alba, and Nebro] 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 (eds.)

GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation, volume 1, pp. 94–101 (ACM Press, London, 2007).

- [Lung and Dumitrescu(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1296–1303 (ACM Press, London, 2007).
- [Luthi et al.(2007)Luthi, Tomassini, Giacobini, and Langdon] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1643–1650 (ACM Press, London, 2007).
- [Ma et al.(2007)Ma, Wong, and Sankar] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2262–2262 (ACM Press, London, 2007).
- [Mabu et al.(2007)Mabu, Chen, Hirasawa, and Hu] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2263–2263 (ACM Press, London, 2007).
- [Majeed and Ryan(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1651–1658 (ACM Press, London, 2007a).
- [Majeed and Ryan(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1659–1666 (ACM Press, London, 2007b).
- [Mansouri et al.(2007)Mansouri, Hendizadeh, and Salmasi] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 909–909 (ACM Press, London, 2007).

- [Manuel López-Ibá et al.(2007)Manuel López-Ibá Prasad, and Paechter] nez Manuel López-Ibá 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 176–176 (ACM Press, London, 2007).
- [Mariano et al.(2007)Mariano, Alcocer, and Morales] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 910–910 (ACM Press, London, 2007).
- [Martí et al.(2007)Martí, García, Berlanga, and Molina] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 911–911 (ACM Press, London, 2007).
- [Matake et al.(2007)Matake, Hiroyasu, Miki, and Senda] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 861–868 (ACM Press, London, 2007).
- [Mattiussi et al.(2007)Mattiussi, Dürr, and Floreano] Claudio Mattiussi, Peter Dürr, 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1304–1311 (ACM Press, London, 2007).
- [Mazhar and Farooq(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 102–109 (ACM Press, London, 2007).

[Mbogho and Scarlatos(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1525–1525 (ACM Press, London, 2007).

[McCormack(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 301–307 (ACM Press, London, 2007).

[McCubbin et al.(2007)McCubbin, Scheidt, Bandte, Marshall, and Trifonov] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2114–2121 (ACM Press, London, 2007).

[McNabb et al.(2007)McNabb, Monson, and Seppi] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 177–177 (ACM Press, London, 2007).

[Mehnen et al.(2007)Mehnen, Roy, Kersting, and Wagner] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2122–2128 (ACM Press, London, 2007).

[Menolascina et al.(2007)Menolascina, Alves, Tommasi, Chiarappa, Delgado, Mastronardi, Paradiso, Freitas, and Bevilacqua] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 431–431 (ACM Press, London, 2007).

[Merelo and Cotta(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1526–1526 (ACM Press, London, 2007).
- [Mierswa(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1830–1837 (ACM Press, London, 2007).
- [Miki et al.(2007)] Miki, Hashimoto, and Fujita] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1754–1754 (ACM Press, London, 2007).
- [Mills and Watson(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1312–1319 (ACM Press, London, 2007).
- [Mitchell et al.(2007)] Mitchell, McMullin, Decraene, and Kelly] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1527–1527 (ACM Press, London, 2007).
- [Mohais et al.(2007)] Mohais, Mohais, Ward, and Posthoff] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 110–117 (ACM Press, London, 2007).
- [Moore et al.(2007)] Moore, Barney, and White] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 432–433 (ACM Press, London, 2007).
- [Moraglio and Togelius(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 118–125 (ACM Press, London, 2007).
- [Mostaghim et al.(2007)Mostaghim, Branke, and Schmeck] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 869–875 (ACM Press, London, 2007).
- [Muntean et al.(2007)Muntean, Diosan, and Oltean] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1667–1673 (ACM Press, London, 2007).
- [Murphy and Ryan(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1755–1755 (ACM Press, London, 2007).
- [Nannen and Eiben(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 627–627 (ACM Press, London, 2007).
- [Nebro et al.(2007)Nebro, Alba, Molina, Chicano, Luna, and Durillo] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 876–883 (ACM Press, London, 2007).
- [Nguyen et al.(2007)Nguyen, Nguyen, and McKay] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 173–173 (ACM Press, London, 2007).
- [Nitschke et al.(2007)Nitschke, Schut, and Eiben] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 342–342 (ACM Press, London, 2007).
- [Odeh et al.(2007)Odeh, Koduru, Das, Featherstone, and Welch] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2129–2136 (ACM Press, London, 2007).
- [O’Keeffe and Cinneide(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1114–1120 (ACM Press, London, 2007).
- [Oranchak(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2264–2264 (ACM Press, London, 2007).
- [Orriols-Puig et al.(2007a)Orriols-Puig, Goldberg, Sastry, and Bernad6-Mansilla] Albert Orriols-Puig, David E. Goldberg, Kumara Sastry, and Ester Bernad6-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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1838–1845 (ACM Press, London, 2007a).
- [Orriols-Puig et al.(2007b)Orriols-Puig, Sastry, Lanzi, Goldberg, and Bernad6-Mansilla] Albert Orriols-Puig, Kumara Sastry, Pier Luca Lanzi, David E. Goldberg, and Ester Bernad6-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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1846–1853 (ACM Press, London, 2007b).
- [Ottino-Loffler et al.(2007)Ottino-Loffler, Rand, and Wilensky] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 490–491 (ACM Press, London, 2007).
- [Pan et al.(2007)Pan, Tasgetiren, and Liang] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 126–133 (ACM Press, London, 2007).
- [Paulden and Smith(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1320–1327 (ACM Press, London, 2007).
- [Payne and Eppstein(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 308–315 (ACM Press, London, 2007a).
- [Payne and Eppstein(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1528–1528 (ACM Press, London, 2007b).
- [Pelikan and Hartmann(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 628–628 (ACM Press, London, 2007).
- [Pelikan et al.(2007a)Pelikan, Kalapala, and Hartmann] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 547–554 (ACM Press, London, 2007a).
- [Pelikan and Laury, Jr.(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 555–561 (ACM Press, London, 2007).
- [Pelikan et al.(2007b)Pelikan, Tsutsui, and Kalapala] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 629–629 (ACM Press, London, 2007b).
- [Pellegrini and Moretti(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 178–178 (ACM Press, London, 2007).
- [Perez-Bellido et al.(2007)Perez-Bellido, Salcedo-Sanz, Ortiz-Garcia, and Portilla-Figueras] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 682–688 (ACM Press, London, 2007).
- [Peterson et al.(2007)Peterson, Lamont, Moore, and Marshall] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2137–2144 (ACM Press, London, 2007).
- [Petrovic(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 723–725 (ACM Press, London, 2007).
- [Pfeiffer and Rothlauf(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1529–1529 (ACM Press, London, 2007).
- [Philemotte and Bersini(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1328–1334 (ACM Press, London, 2007).
- [Piccand et al.(2007)Piccand, O'Neill, and Walker] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 179–179 (ACM Press, London, 2007).
- [Poli and Broomhead(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 134–141 (ACM Press, London, 2007).
- [Poli and Langdon(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 142–149 (ACM Press, London, 2007).
- [Poli and Vanneschi(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1335–1342 (ACM Press, London, 2007).
- [Pošík and Franc(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 562–569 (ACM Press, London, 2007).
- [Powell and Hollingsworth(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2145–2150 (ACM Press, London, 2007).
- [Powers and Watson(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 343–343 (ACM Press, London, 2007).
- [Priesterjahn and Weimer(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 344–345 (ACM Press, London, 2007).
- [Prugel-Bennett(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1343–1348 (ACM Press, London, 2007).
- [Qiu et al.(2007)Qiu, Burns, Mukre, and Wu] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1349–1356 (ACM Press, London, 2007).
- [Quiroz et al.(2007)Quiroz, Louis, and Dascalu] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2151–2158 (ACM Press, London, 2007).
- [Radi and El-Bakry(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1756–1756 (ACM Press, London, 2007).
- [Ramirez and Hazan(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2159–2166 (ACM Press, London, 2007).

- [Reichel and Skutella(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 947–954 (ACM Press, London, 2007).
- [Reis and Fernandez Vega(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1959–1966 (ACM Press, London, 2007).
- [Reisinger and Miikkulainen(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1045–1052 (ACM Press, London, 2007).
- [Ridge and Kudenko(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 150–157 (ACM Press, London, 2007a).
- [Ridge and Kudenko(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 180–180 (ACM Press, London, 2007b).
- [Rieffel et al.(2007)Rieffel, Lipson, and Valero-Cuevas] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1063–1063 (ACM Press, London, 2007).
- [Rimcharoen et al.(2007)Rimcharoen, Sutivong, and Chongstitvatana] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 630–630 (ACM Press, London, 2007).

- [Rocha et al.(2007)Rocha, Mendes, Maia, Daniel Glez-Pe and Fdez-Riverola] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 415–423 (ACM Press, London, 2007).
- [Rohlfshagen and Bullinaria(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1357–1364 (ACM Press, London, 2007a).
- [Rohlfshagen and Bullinaria(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1365–1371 (ACM Press, London, 2007b).
- [Romero and Nino(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 181–181 (ACM Press, London, 2007).
- [Rönkkönen and Lampinen(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 689–696 (ACM Press, London, 2007).
- [Rossi et al.(2007)Rossi, Barrientos, and del Cerro] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 697–704 (ACM Press, London, 2007).
- [Rotar et al.(2007)Rotar, Dumitrescu, and Lung] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 884–891 (ACM Press, London, 2007).
- [Sakuma and Kobayashi(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1372–1379 (ACM Press, London, 2007).
- [Salhi et al.(2007)] Salhi, Rodríguez, and Zhang] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 570–576 (ACM Press, London, 2007).
- [Sastry and Goldberg(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1380–1387 (ACM Press, London, 2007).
- [Sastry et al.(2007a)] Sastry, Goldberg, and Llorca] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 577–584 (ACM Press, London, 2007a).
- [Sastry et al.(2007b)] Sastry, Pelikan, and Goldberg] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1388–1395 (ACM Press, London, 2007b).
- [Sato et al.(2007)] Sato, Yasuda, and Goto] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1396–1403 (ACM Press, London, 2007).
- [Schmidt and Lipson(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1674–1679 (ACM Press, London, 2007a).
- [Schmidt and Lipson(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1680–1685 (ACM Press, London, 2007b).
- [Schonfeld(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1404–1411 (ACM Press, London, 2007).
- [Schütze et al.(2007)Schütze, Laumanns, Tantar, Coello Coello, and ghazali Talbi] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 892–901 (ACM Press, London, 2007).
- [Schwarz et al.(2007)Schwarz, Jaros, and Ocenasek] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 631–631 (ACM Press, London, 2007).
- [Sekaj et al.(2007)Sekaj, Perkacz, and Palenik] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2265–2265 (ACM Press, London, 2007).
- [Shafiq et al.(2007)Shafiq, Kiani, Hashmi, and Farooq] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 182–182 (ACM Press, London, 2007).

- [Shafti and Pérez(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1875–1875 (ACM Press, London, 2007).
- [Shakya et al.(2007)Shakya, Oliveira, and Owusu] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 585–592 (ACM Press, London, 2007).
- [Shankar et al.(2007)Shankar, Louis, Dascalu, Houmanfar, and Hayes] Anil Shankar, Sushil J. Louis, Sergiu Dascalu, Ramonah Houmanfar, 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1876–1876 (ACM Press, London, 2007).
- [Shir and Bäck(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 705–712 (ACM Press, London, 2007a).
- [Shir and Bäck(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 713–721 (ACM Press, London, 2007b).
- [Shir et al.(2007)Shir, Bäck, and Vrakking] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2266–2266 (ACM Press, London, 2007).
- [Shirakawa et al.(2007)Shirakawa, Ogino, and Nagao] 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 (eds.) *GECCO '07: Proceedings of the 9th annual*

- conference on Genetic and evolutionary computation*, volume 2, pp. 1686–1693 (ACM Press, London, 2007).
- [Smith(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1412–1419 (ACM Press, London, 2007).
- [Smith and Bull(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1694–1701 (ACM Press, London, 2007).
- [Smith and Jiang(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1877–1877 (ACM Press, London, 2007).
- [Snyman and Kok(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 183–183 (ACM Press, London, 2007).
- [Solano and Jonyer(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1757–1757 (ACM Press, London, 2007).
- [Sondahl and Rand(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1531–1531 (ACM Press, London, 2007).
- [Spector et al.(2007)Spector, Klein, and Feinstein] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 316–323 (ACM Press, London, 2007).

- [Stanoyevitch(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1532–1532 (ACM Press, London, 2007).
- [Stewart and Kirley(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 184–184 (ACM Press, London, 2007).
- [Stoean et al.(2007)Stoean, Preuss, Stoean, and Dumitrescu] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1420–1427 (ACM Press, London, 2007).
- [Stone et al.(2007)Stone, Toth, Adamatzky, de Lacy Costello, and Bull] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 472–478 (ACM Press, London, 2007).
- [Sullivan and Ryan(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2167–2173 (ACM Press, London, 2007).
- [Sullivan and Luke(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1702–1707 (ACM Press, London, 2007).
- [Sutton et al.(2007)Sutton, Lunacek, and Whitley] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1428–1435 (ACM Press, London, 2007).

- [Swift et al.(2007)Swift, Tucker, Crampton, and Garway-Heath] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2174–2181 (ACM Press, London, 2007).
- [Taboada et al.(2007)Taboada, Shimada, Mabu, Hirasawa, and Hu] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1758–1758 (ACM Press, London, 2007).
- [Tahera et al.(2007)Tahera, Ibrahim, and Lochert] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1533–1533 (ACM Press, London, 2007).
- [Tamee et al.(2007)Tamee, Bull, and Pinngern] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1854–1860 (ACM Press, London, 2007).
- [Tasgetiren et al.(2007)Tasgetiren, Suganthan, and Pan] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 158–167 (ACM Press, London, 2007).
- [Tengg et al.(2007)Tengg, Klausner, and Rinner] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1534–1534 (ACM Press, London, 2007).
- [Terashima-Marin et al.(2007)Terashima-Marin, Zarate, Ross, and Valenzuela-Rendon] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2182–2189 (ACM Press, London, 2007).
- [Teytaud and Gelly(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 955–963 (ACM Press, London, 2007).
- [Thangavelu and Pradeep(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2190–2194 (ACM Press, London, 2007).
- [Thierens et al.(2007)]Thierens, Beyer, Bongard, Branke, Clark, Cliff, Congdon, Deb, Doerr, Kovacs, Kumar, Miller, Moo Dirk Thierens, Hans-Georg Beyer, Josh Bongard, Jurgen Branke, John Andrew Clark, Dave Cliff, Clare Bates Congdon, Kalyanmoy Deb, Benjamin Doerr, Tim Kovacs, Sanjeev Kumar, Julian F. Miller, Jason Moore, Frank Neumann, Martin Pelikan, Riccardo Poli, Kumara Sastry, Kenneth Owen Stanley, Thomas Stutzle, Richard A Watson, and Ingo Wegener (eds.). *GECCO 2007: Proceedings of the 9th annual conference on Genetic and evolutionary computation* (ACM Press, London, UK, 2007).
- [Thomason and Soule(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1708–1715 (ACM Press, London, 2007).
- [Tiago Leit et al.(2007)]Tiago Leit Pereira, Tavares, and Costa] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1524–1524 (ACM Press, London, 2007).
- [Ting(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1535–1535 (ACM Press, London, 2007).
- [Togelius et al.(2007)]Togelius, De Nardi, Marques, Newcombe, Lucas, and Holland] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 324–333 (ACM Press, London, 2007).
- [Toledo-Suárez et al.(2007)Toledo-Suárez, Valenzuela-Rendón, Terashima-Marín, and Uresti-Charre] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1436–1443 (ACM Press, London, 2007).
- [Torres et al.(2007)Torres, Romero, Vasquez, and Ardila] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 393–400 (ACM Press, London, 2007).
- [Tran et al.(2007)Tran, Sanza, Duthen, and Nguyen] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1861–1869 (ACM Press, London, 2007).
- [Tripp and Palmer(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1444–1451 (ACM Press, London, 2007).
- [Tucker et al.(2007)Tucker, Swift, and Crampton] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1536–1536 (ACM Press, London, 2007).
- [Tufail and Ormsbee(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2267–2267 (ACM Press, London, 2007).
- [Turner and Tiwari(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2268–2268 (ACM Press, London, 2007).
- [Urquhart(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2269–2269 (ACM Press, London, 2007).
- [Vanneschi et al.(2007)Vanneschi, Rochat, and Tomassini] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1759–1759 (ACM Press, London, 2007).
- [Vieira and Fonseca(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1537–1537 (ACM Press, London, 2007).
- [Vrajitoru(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 912–912 (ACM Press, London, 2007).
- [Wagner et al.(2007)Wagner, Michelitsch, and Sacharow] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2195–2202 (ACM Press, London, 2007).
- [Walker and Miller(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual*

conference on Genetic and evolutionary computation, volume 2, pp. 1724–1730 (ACM Press, London, 2007).

- [Walker et al.(2007a)Walker, Edwards, and Messom] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1716–1723 (ACM Press, London, 2007a).
- [Walker et al.(2007b)Walker, Edwards, and Messom] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1760–1760 (ACM Press, London, 2007b).
- [Wang et al.(2007a)Wang, Sun, Jin, Fu, Liu, Chan, and Kao] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2203–2210 (ACM Press, London, 2007a).
- [Wang and Zhou(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 185–185 (ACM Press, London, 2007).
- [Wang et al.(2007b)Wang, Jing, Li, and Chen] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2211–2218 (ACM Press, London, 2007b).
- [Watkins(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 964–965 (ACM Press, London, 2007).
- [Watson and Jansen(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1452–1459 (ACM Press, London, 2007).

[Wedge et al.(2007)Wedge, Gaskell, Hubbard, Kell, Lau, and Eyers] David C. Wedge, Simon J. Gaskell, Simon J. Hubbard, Douglas B. Kell, King Wai Lau, and Claire Eyers. *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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2219–2225 (ACM Press, London, 2007).

[Wickramasinghe et al.(2007)Wickramasinghe, van Steen, and Eiben] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1460–1467 (ACM Press, London, 2007).

[Wilke et al.(2007)Wilke, Kok, and Groenwold] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1538–1538 (ACM Press, London, 2007).

[Wilson and Heywood(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1053–1061 (ACM Press, London, 2007).

[Windisch et al.(2007)Windisch, Wappler, and Wegener] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1121–1128 (ACM Press, London, 2007).

[Wong and Zhang(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1761–1761 (ACM Press, London, 2007).

- [Woolley and Peterson(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1731–1738 (ACM Press, London, 2007).
- [Wozniak(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 913–915 (ACM Press, London, 2007).
- [Wu and Shapiro(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 632–633 (ACM Press, London, 2007).
- [Wyns and Boullart(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1762–1762 (ACM Press, London, 2007).
- [Wyns et al.(2007)Wyns, Boullart, and De Smedt] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1763–1763 (ACM Press, London, 2007).
- [Xie et al.(2007a)Xie, Zhang, and Andreae] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1739–1748 (ACM Press, London, 2007a).
- [Xie et al.(2007b)Xie, Zhang, and Andreae] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1468–1475 (ACM Press, London, 2007b).

- [Yan and Clack(2007a)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2226–2233 (ACM Press, London, 2007a).
- [Yan and Clack(2007b)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2234–2241 (ACM Press, London, 2007b).
- [Yo and de Jong(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 479–487 (ACM Press, London, 2007).
- [Yogev and Antonsson(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1064–1065 (ACM Press, London, 2007).
- [Yoon et al.(2007)Yoon, Kim, Moraglio, and Moon] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1539–1539 (ACM Press, London, 2007).
- [Yu et al.(2007a)Yu, Zhou, Mabu, Hirasawa, Hu, and Markon] Lu Yu, Jin Zhou, Shingo Mabu, 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1476–1483 (ACM Press, London, 2007a).
- [Yu et al.(2007b)Yu, Sastry, Goldberg, and Pelikan] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 601–608 (ACM Press, London, 2007b).

- [Zeng et al.(2007)Zeng, H, and Buus] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 186–186 (ACM Press, London, 2007).
- [Zhang et al.(2007)Zhang, Harman, and Mansouri] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 1129–1137 (ACM Press, London, 2007).
- [Zhou et al.(2007a)Zhou, Zhang, Jin, Sendhoff, and Tsang] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 617–623 (ACM Press, London, 2007a).
- [Zhou and Sun(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1540–1542 (ACM Press, London, 2007).
- [Zhou et al.(2007b)Zhou, Sun, and Heckendorn] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1484–1491 (ACM Press, London, 2007b).
- [Zilinskas and Zilinskas(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 1492–1501 (ACM Press, London, 2007).
- [Zinchenko et al.(2007)Zinchenko, Radecker, and Bisogno] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pp. 2242–2251 (ACM Press, London, 2007).

[Zuo(2007)] 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 (eds.) *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pp. 187–187 (ACM Press, London, 2007).