Список литературы

[Abid 07]   M. A. Abido. "Two-level of nondominated solutions approach to multiobjective particle swarm optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 726–733, ACM Press, London, 7-11 July 2007.

[Abra 07]   A. Abraham, S. Das, and A. Konar. "Kernel based automatic clustering using modified particle swarm optimization algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2–9, ACM Press, London, 7-11 July 2007.

[Achi 07]   S. Achiche, W. Wang, Z. Fan, A. Ozkil, T. Sorensen, J. Wang, and E. Goodman. "Genetically generated double-level fuzzy controller with a fuzzy adjustment strategy". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1880–1887, ACM Press, London, 7-11 July 2007.

[Adra 07]   S. F. Adra, I. Griffin, and P. J. Fleming. "An informed convergence accelerator for evolutionary multiobjective optimiser". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 734–740, ACM Press, London, 7-11 July 2007.

[Agap 07]   A. Agapitos, J. Togelius, and S. M. Lucas. "Evolving controllers for simulated car racing using object oriented genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1543–1550, ACM Press, London, 7-11 July 2007.

[Agga 07]   V. Aggarwal and U.-M. O'Reilly. "COSMO: a correlation sensitive mutation operator for multi-objective optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 741–748, ACM Press, London, 7-11 July 2007.

[Agog 07]   A. Agogino and K. Tumer. "Evolving distributed agents for managing air traffic". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1888–1895, ACM Press, London, 7-11 July 2007.

[Agui 07]   H. Aguirre, H. Okazaki, and Y. Fuwa. "An evolutionary multiobjective approach to design highly non-linear Boolean functions". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A.

Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 749–756, ACM Press, London, 7-11 July 2007.

[Ahn 07] C. W. Ahn and R. S. Ramakrishna. "Multiobjective real-coded bayesian optimization algorithmrevisited: diversity preservation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 593–600, ACM Press, London, 7-11 July 2007.

[Alba 07a] E. Alba and F. Chicano. "ACOhg: dealing with huge graphs". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 10–17, ACM Press, London, 7-11 July 2007.

[Alba 07b] E. Alba and F. Chicano. "Finding safety errors with ACO". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1066–1073, ACM Press, London, 7-11 July 2007.

[Alha 07] A. Alharbi, W. Rand, and R. Riolo. "The defined cliffs variant in dynamic environments: a case study using the shaky ladder hyperplane-defined functions". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1158–1164, ACM Press, London, 7-11 July 2007.

[Anab 07] o. Anabela Sim and E. Costa. "VMEA: studies on replacing strategies and diversity in dynamic environments". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1530–1530, ACM Press, London, 7-11 July 2007.

[Anas 07] A. D. Anastasiadis, G. Georgoulas, G. Magoulas, and A. Tzes. "Adaptive particle swarm optimizer with nonextensive schedule". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 168–168, ACM Press, London, 7-11 July 2007.

[Ando 07] S. Ando. "Heuristic speciation for evolving neural network ensemble". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1766–1773, ACM Press, London, 7-11 July 2007.

[Arau 07] L. Araujo and J. J. Merelo. "A genetic algorithm for dynamic modelling and prediction of activity in document streams". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A.

Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1896–1903, ACM Press, London, 7-11 July 2007.

[Arno 07]   D. V. Arnold. "On the use of evolution strategies for optimising certain positive definite quadratic forms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 634–641, ACM Press, London, 7-11 July 2007.

[Au 07]   C.-K. Au and H.-F. Leung. "Guided mutations in cooperative coevolutionary algorithms for function optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 488–488, ACM Press, London, 7-11 July 2007.

[Auge 07]   A. Auger and O. Teytaud. "Continuous lunches are free!". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 916–922, ACM Press, London, 7-11 July 2007.

[Ayar 07]   K. Ayari, S. Bouktif, and G. Antoniol. "Automatic mutation test input data generation via ant colony". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1074–1081, ACM Press, London, 7-11 July 2007.

[Azzi 07]   A. Azzini and A. G. B. Tettamanzi. "Automated trading on financial instruments with evolved neural networks". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2252–2252, ACM Press, London, 7-11 July 2007.

[Baca 07]   J. Bacardit, M. Stout, J. D. Hirst, K. Sastry, X. Llorà, and N. Krasnogor. "Automated alphabet reduction method with evolutionary algorithms for protein structure prediction". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 346–353, ACM Press, London, 7-11 July 2007.

[Badd 07]   B. Baddeley and A. Philippides. "Bee SLAM: a probabilistic framework for studying orientation flights in bees and wasps". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 334–334, ACM Press, London, 7-11 July 2007.

[Bade 07]   M. B. Bader-El-Den and R. Poli. "A GP-based hyper-heuristic framework for evolving 3-SAT heuristics". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1749–1749, ACM Press, London, 7-11 July 2007.

[Badr 07]   K. M. S. Badran and P. I. Rockett. "The roles of diversity preservation and mutation in preventing population collapse in multiobjective genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1551–1558, ACM Press, London, 7-11 July 2007.

[Baig 07]   A. R. Baig and M. Rashid. "Honey bee foraging algorithm for multimodal & dynamic optimization problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 169–169, ACM Press, London, 7-11 July 2007.

[Bail 07]   B. W. Bailey and A. M. Raich. "Interactive multi-objective design of long-span trusses". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 902–902, ACM Press, London, 7-11 July 2007.

[Bane 07]   N. Banerjee and R. Kumar. "Multiobjective network design for realistic traffic models". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1904–1911, ACM Press, London, 7-11 July 2007.

[Bazz 07]   A. Bazzoli, G. Colombo, and A. G. B. Tettamanzi. "Ab initio protein structure prediction with a dipeptide-assembly evolutionary algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 424–424, ACM Press, London, 7-11 July 2007.

[Bece 07]   R. L. Becerra, C. A. Coello Coello, A. G. Hernández-Díaz, R. Caballero, and J. Molina. "Alternative techniques to solve hard multi-objective optimization problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 757–754, ACM Press, London, 7-11 July 2007.

[Beck 07]   J. Becker, S. Trendelenburg, F. Henrici, and Y. Manoli. "Synthesis of analog filters on an evolvable hardware platform using a genetic algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 190–197, ACM Press, London, 7-11 July 2007.

[Bird 07]   S. Bird and X. Li. "Informative performance metrics for dynamic optimisation problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 18–25, ACM Press, London, 7-11 July 2007.

[Bleu 07] S. Bleuler and E. Zitzler. "Discrimination of metabolic flux profiles using a hybrid evolutionary algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 354–360, ACM Press, London, 7-11 July 2007.

[Bolz 07] L. Bolzani, E. Sanchez, M. Schillaci, and G. Squillero. "Coupling EA and high-level metrics for the automatic generation of test blocks for peripheral cores". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1912–1919, ACM Press, London, 7-11 July 2007.

[Bong 07a] J. Bongard. "Action-selection and crossover strategies for self-modeling machines". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 198–205, ACM Press, London, 7-11 July 2007.

[Bong 07b] J. Bongard. "Exploiting multiple robots to accelerate self-modeling". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 214–221, ACM Press, London, 7-11 July 2007.

[Borg 07] I. Borgulya. "An EC-memory based method for the multi-objective TSP". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 903–903, ACM Press, London, 7-11 July 2007.

[Bosm 07a] P. A. N. Bosman, J. Grahl, and F. Rothlauf. "SDR: a better trigger for adaptive variance scaling in normal EDAs". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 492–499, ACM Press, London, 7-11 July 2007.

[Bosm 07b] P. A. N. Bosman and H. L. Poutré. "Learning and anticipation in online dynamic optimization with evolutionary algorithms: the stochastic case". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1165–1172, ACM Press, London, 7-11 July 2007.

[Bosm 07c] P. A. N. Bosman and D. Thierens. "Adaptive variance scaling in continuous multi-objective estimation-of-distribution algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 500–507, ACM Press, London, 7-11 July 2007.

[Boul 07]   M. Boulif and K. Atif. "A fuzzy genetic algorithm for the dynamic cell formation problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1502–1502, ACM Press, London, 7-11 July 2007.

[Bran 07]   J. Branke, C. Lode, and J. L. Shapiro. "Addressing sampling errors and diversity loss in UMDA". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 508–515, ACM Press, London, 7-11 July 2007.

[Broc 07]   D. Brockhoff, T. Friedrich, N. Hebbinghaus, C. Klein, F. Neumann, and E. Zitzler. "Do additional objectives make a problem harder?". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 765–772, ACM Press, London, 7-11 July 2007.

[Brod 07]   N. Brodu. "A framework for the emergence of intra-species mutual recognition patterns". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 336–336, ACM Press, London, 7-11 July 2007.

[Broo 07]   E. H. Brookes and B. Demeler. "Parsimonious regularization using genetic algorithms applied to the analysis of analytical ultracentrifugation experiments". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 361–368, ACM Press, London, 7-11 July 2007.

[Brow 07]   G. Brown, T. Kovacs, and J. A. R. Marshall. "UCSpv: principled voting in UCS rule populations". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1774–1781, ACM Press, London, 7-11 July 2007.

[Bryc 07]   R. C. Bryce and C. J. Colbourn. "One-test-at-a-time heuristic search for interaction test suites". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1082–1089, ACM Press, London, 7-11 July 2007.

[Bucc 07]   A. Bucci and J. B. Pollack. "Thoughts on solution concepts". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 434–439, ACM Press, London, 7-11 July 2007.

[Bull 07a]   L. Bull and I. S. Uroukov. "Initial results from the use of learning classifier systems to control in vitro neuronal networks". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke,

J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 369–376, ACM Press, London, 7-11 July 2007.

[Bull 07b] J. A. Bullinaria. "The effect of learning on life history evolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 222–229, ACM Press, London, 7-11 July 2007.

[Burk 07] E. K. Burke, M. R. Hyde, G. Kendall, and J. Woodward. "Automatic heuristic generation with genetic programming: evolving a jack-of-all-trades or a master of one". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1559–1565, ACM Press, London, 7-11 July 2007.

[Cai 07a] X. Cai, S. M. Welch, P. Koduru, and S. Das. "Discovering structures in gene regulatory networks using genetic programming and particle swarms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1750–1750, ACM Press, London, 7-11 July 2007.

[Cai 07b] Y. Cai, X. Sun, H. Xu, and P. Jia. "Cross entropy and adaptive variance scaling in continuous EDA". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 609–616, ACM Press, London, 7-11 July 2007.

[Catt 07] R. Cattral and F. Oppacher. "Discovering rules in the poker hand dataset". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1870–1870, ACM Press, London, 7-11 July 2007.

[Cayz 07] S. Cayzer and J. Sullivan. "Modelling danger and anergy in artificial immune systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 26–32, ACM Press, London, 7-11 July 2007.

[Cebr 07] M. Cebrian, M. Alfonseca, and A. Ortega. "Automatic generation of benchmarks for plagiarism detection tools using grammatical evolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2253–2253, ACM Press, London, 7-11 July 2007.

[Chan 07] T.-M. Chan, K.-S. Leung, and K.-H. Lee. "TFBS identification by position- and consensus-led genetic algorithm with local filtering". In: D. Thierens, H.-G. Beyer, J. Bongard,

J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 377–384, ACM Press, London, 7-11 July 2007.

[Chav 07]   A. Chavoya and Y. Duthen. "Use of a genetic algorithm to evolve an extended artificial regulatory network for cell pattern generation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1062–1062, ACM Press, London, 7-11 July 2007.

[Chen 07a] C.-H. Chen and Y. ping Chen. "Real-coded ECGA for economic dispatch". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1920–1927, ACM Press, London, 7-11 July 2007.

[Chen 07b] H.-W. Chen and Y. ping Chen. "Introducing fault tolerance to XCS". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1871–1871, ACM Press, London, 7-11 July 2007.

[Chen 07c] J.-H. Chen. "Simultaneous optimization of production planning and inspection planning for flexible manufacturing systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1928–1935, ACM Press, London, 7-11 July 2007.

[Chen 07d] Y. Chen, S. Mabu, K. Hirasawa, and J. Hu. "Trading rules on stock markets using genetic network programming with sarsa learning". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1503–1503, ACM Press, London, 7-11 July 2007.

[Chen 07e] Y. Chen, J. Hu, K. Hirasawa, and S. Yu. "GARS: an improved genetic algorithm with reserve selection for global optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1173–1178, ACM Press, London, 7-11 July 2007.

[Chio 07]   T. Chiotis and C. D. Clack. "Nonlinearity linkage detection for financial time series analysis". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1179–1186, ACM Press, London, 7-11 July 2007.

[Chit 07]   D. M. Chitty. "A data parallel approach to genetic programming using programmable graphics hardware". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1566–1573, ACM Press, London, 7-11 July 2007.

[Choo 07]   C. S. Choo, C. L. Chua, and S.-H. V. Tay. "Automated red teaming: a proposed framework for military application". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1936–1942, ACM Press, London, 7-11 July 2007.

[Chri 07]   S. Christensen and F. Oppacher. "Solving the artificial ant on the Santa Fe trail problem in 20,696 fitness evaluations". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1574–1579, ACM Press, London, 7-11 July 2007.

[Cleg 07a] J. Clegg, J. A. Walker, and J. F. Miller. "A new crossover technique for Cartesian genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1580–1587, ACM Press, London, 7-11 July 2007.

[Cleg 07b] K. Clegg, S. Stepney, and T. Clarke. "Using feedback to regulate gene expression in a developmental control architecture". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 966–973, ACM Press, London, 7-11 July 2007.

[Coff 07]   D. J. Coffin and R. E. Smith. "Why is parity hard for estimation of distribution algorithms?". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 624–624, ACM Press, London, 7-11 July 2007.

[Cont 07]   E. B. Contreras. "A biologically inspired solution for an evolved simulated agent". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 206–213, ACM Press, London, 7-11 July 2007.

[Corn 07]   D. W. Corne and J. D. Knowles. "Techniques for highly multiobjective optimisation: some nondominated points are better than others". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 773–780, ACM Press, London, 7-11 July 2007.

[Corr 07]   M. B. Correia and C. M. Fonseca. "On the roles of redundancy and neutrality in evolutionary optimization: an experimental study". In: D. Thierens, H.-G. Beyer,

J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1504–1504, ACM Press, London, 7-11 July 2007.

[Cost 07]   D. Costelloe and C. Ryan. "Towards models of user preferences in interactive musical evolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2254–2254, ACM Press, London, 7-11 July 2007.

[Cumm 07]   R. Cummins and C. O'Riordan. "Using genetic programming for information retrieval: local and global query expansion". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2255–2255, ACM Press, London, 7-11 July 2007.

[Curr 07a]   D. Curran, C. O'Riordan, and H. Sorensen. "The effects of lifetime learning on the diversity and fitness of populations". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 337–337, ACM Press, London, 7-11 July 2007.

[Curr 07b]   D. Curran, C. O'Riordan, and H. Sorensen. "Self-adaptation of cultural learning parameters". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 338–338, ACM Press, London, 7-11 July 2007.

[DAmb 07]   D. B. D'Ambrosio and K. O. Stanley. "A novel generative encoding for exploiting neural network sensor and output geometry". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 974–981, ACM Press, London, 7-11 July 2007.

[Dano 07]   G. Danoy, E. Alba, P. Bouvry, and M. Brust. "Optimal design of ad hoc injection networks by using genetic algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2256–2256, ACM Press, London, 7-11 July 2007.

[de A 07]   B. T. de Abreu, E. Martins, and F. L. de Sousa. "Generalized extremal optimization: an attractive alternative for test data generation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1138–1138, ACM Press, London, 7-11 July 2007.

[de F 07]   A. A. de Freitas and C. B. Mayer. "The effectiveness of dynamic ant colony tuning". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon,

K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 170–170, ACM Press, London, 7-11 July 2007.

[De J 07]   E. D. De Jong. "Objective fitness correlation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 440–447, ACM Press, London, 7-11 July 2007.

[de L 07]   T. W. de Lima, R. A. Faccioli, P. H. R. Gabriel, A. C. B. Delbem, and I. Nunes da Silva. "Evolutionary approach to protein structure prediction with hydrophobic interactions". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 425–425, ACM Press, London, 7-11 July 2007.

[de M 07]   V. V. de Melo, A. C. B. Delbem, J. Dorival Leao Pinto, and F. M. Federson. "Improving global numerical optimization using a search-space reduction algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1195–1202, ACM Press, London, 7-11 July 2007.

[Deb 07a]   K. Deb and A. Kumar. "Interactive evolutionary multi-objective optimization and decision-making using reference direction method". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 781–788, ACM Press, London, 7-11 July 2007.

[Deb 07b]   K. Deb, K. Sindhya, and T. Okabe. "Self-adaptive simulated binary crossover for real-parameter optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1187–1194, ACM Press, London, 7-11 July 2007.

[DeHa 07]   D. DeHaas, J. Craig, C. Rickert, M. J. Eppstein, P. Haake, and K. Stor. "Feature selection and classification in noisy epistatic problems using a hybrid evolutionary approach". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1872–1872, ACM Press, London, 7-11 July 2007.

[Demi 07]   G. N. Demir, A. S. Uyar, and S. G. Ögüdücü. "Graph-based sequence clustering through multiobjective evolutionary algorithms for web recommender systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1943–1950, ACM Press, London, 7-11 July 2007.

[Deve 07]   A. Devert, N. Bredeche, and M. Schoenauer. "Robust multi-cellular developmental design". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 982–989, ACM Press, London, 7-11 July 2007.

[Di C 07]   C. Di Chio, R. Poli, and P. Di Chio. "EcoPS: a particle swarm algorithm to model group-foraging". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 230–237, ACM Press, London, 7-11 July 2007.

[Di P 07]   M. Di Penta, G. Canfora, G. Esposito, V. Mazza, and M. Bruno. "Search-based testing of service level agreements". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1090–1097, ACM Press, London, 7-11 July 2007.

[Dign 07]   S. Dignum and R. Poli. "Generalisation of the limiting distribution of program sizes in tree-based genetic programming and analysis of its effects on bloat". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1588–1595, ACM Press, London, 7-11 July 2007.

[Dios 07]   L. Diosan, M. Oltean, A. Rogozan, and J. P. Pecuchet. "Genetically designed multiple-kernels for improving the SVM performance". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1873–1873, ACM Press, London, 7-11 July 2007.

[Divi 07]   F. Divina and J. S. Aguilar-Ruiz. "A multi-objective approach to discover biclusters in microarray data". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 385–392, ACM Press, London, 7-11 July 2007.

[Doer 07a] B. Doerr and D. Johannsen. "Adjacency list matchings: an ideal genotype for cycle covers". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1203–1210, ACM Press, London, 7-11 July 2007.

[Doer 07b] B. Doerr, F. Neumann, D. Sudholt, and C. Witt. "On the runtime analysis of the 1-ANT ACO algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 33–40, ACM Press, London, 7-11 July 2007.

[Dohe 07]   D. Doherty and C. O'Riordan. "A phenotypic analysis of GP-evolved team behaviours". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon,

K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1951–1958, ACM Press, London, 7-11 July 2007.

[Dong 07]   H. Dong and Y. Liang. "Genetic algorithms for large join query optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1211–1218, ACM Press, London, 7-11 July 2007.

[Down 07]   K. L. Downing. "Supplementing evolutionary developmental systems with abstract models of neurogenesis". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 990–996, ACM Press, London, 7-11 July 2007.

[Drag 07]   M. Dragoni and A. G. B. Tettamanzi. "Evolutionary algorithms for reasoning in fuzzy description logics with fuzzy quantifiers". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1967–1974, ACM Press, London, 7-11 July 2007.

[Drug 07]   J. Drugowitsch and A. M. Barry. "Mixing independent classifiers". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1596–1603, ACM Press, London, 7-11 July 2007.

[Drza 07]   G. Drzadzewski and M. Wineberg. "The effects of solution density in the search space on finding spatially robust solutions". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1505–1505, ACM Press, London, 7-11 July 2007.

[Duke 07]   J. Duke and C. D. Clack. "Using an evolutionary agent-based simulation to explore hedging pressure in futures markets". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2257–2257, ACM Press, London, 7-11 July 2007.

[Ebne 07]   M. Ebner. "Estimating the spectral sensitivity of a digital sensor using calibration targets". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 642–649, ACM Press, London, 7-11 July 2007.

[Eibe 07a] A. E. Eiben, M. 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: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1506–1506, ACM Press, London, 7-11 July 2007.

[Eibe 07b] G. Eiben, J. Bekker, R. Griffioen, and E. Haasdijk. "Balancing quality and quantity in evolving agent systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 335–335, ACM Press, London, 7-11 July 2007.

[Espa 07] A. I. Esparcia-Alcazar, L. Lluch-Revert, M. Cardos, K. Sharman, and J. J. Merelo. "Configuring an evolutionary tool for the inventory and transportation problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1975–1982, ACM Press, London, 7-11 July 2007.

[Este 07] N. S. Estévez and H. Lipson. "Dynamical blueprints: exploiting levels of system-environment interaction". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 238–244, ACM Press, London, 7-11 July 2007.

[Fan 07] K. Fan, A. Brabazon, C. O'Sullivan, and M. O'Neill. "Option pricing model calibration using a real-valued quantum-inspired evolutionary algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1983–1990, ACM Press, London, 7-11 July 2007.

[Faye 07] M. B. E. Fayek, A. S. Talaat, and N. M. Darwish. "Generating classification trees for small disjuncts using incremental gas". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1507–1507, ACM Press, London, 7-11 July 2007.

[Fern 07a] C. M. Fernandes, A. C. Rosa, and V. Ramos. "Binary ant algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 41–48, ACM Press, London, 7-11 July 2007.

[Fern 07b] C. T. Fernando and J. Rowe. "Hebbian learning in a simple gene circuit". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 426–426, ACM Press, London, 7-11 July 2007.

[Ferr 07] J. C. Ferreira, C. M. Fonseca, and A. Gaspar-Cunha. "Methodology to select solutions from the pareto-optimal set: a comparative study". In: D. Thierens, H.-G. Beyer, J. Bongard,

J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 789–796, ACM Press, London, 7-11 July 2007.

[Figu 07]   G. P. Figueredo, N. F. Ebecken, and H. C. Barbosa. "Suppression based immune mechanism to find arepresentative training set in data classification tasks". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 171–171, ACM Press, London, 7-11 July 2007.

[Foli 07]   G. Folino, C. Pizzuti, and G. Spezzano. "StreamGP: tracking evolving GP ensembles in distributed data streams using fractal dimension". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1751–1751, ACM Press, London, 7-11 July 2007.

[Fors 07]   M. Förster, B. Bickel, B. Hardung, and G. Kókai. "Self-adaptive ant colony optimisation applied to function allocation in vehicle networks". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1991–1998, ACM Press, London, 7-11 July 2007.

[Fran 07]   F. D. Francone, L. M. Deschaine, and J. J. Warren. "Discrimination of munitions and explosives of concern at F.E. Warren AFB using linear genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1999–2006, ACM Press, London, 7-11 July 2007.

[Frie 07a]   T. Friedrich, N. Hebbinghaus, and F. Neumann. "Rigorous analyses of simple diversity mechanisms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1219–1225, ACM Press, London, 7-11 July 2007.

[Frie 07b]   T. Friedrich, N. Hebbinghaus, F. Neumann, J. He, and C. Witt. "Approximating covering problems by randomized search heuristics using multi-objective models". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 797–804, ACM Press, London, 7-11 July 2007.

[Gagn 07]   C. Gagné, M. Sebag, M. Schoenauer, and M. Tomassini. "Ensemble learning for free with evolutionary algorithms?". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1782–1789, ACM Press, London, 7-11 July 2007.

[Gajd 07]   Z. Gajda and L. Sekanina. "Reducing the number of transistors in digital circuits using gate-level evolutionary design". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 245–252, ACM Press, London, 7-11 July 2007.

[Gall 07]   J. E. Gallardo, C. Cotta, and A. J. Fernandez. "A memetic algorithm for the low autocorrelation binary sequence problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1226–1233, ACM Press, London, 7-11 July 2007.

[Galv 07a]   E. Galvan-Lopez and R. Poli. "How and why a bit-wise neutrality with and without locality affects evolutionary search". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1508–1508, ACM Press, London, 7-11 July 2007.

[Galv 07b]   E. Galvan-Lopez, J. Togelius, and S. Lucas. "Towards understanding the effects of neutrality on the sudoku problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1509–1509, ACM Press, London, 7-11 July 2007.

[Gand 07]   A. Gandhe, S.-H. Yu, R. Mehra, and R. E. Smith. "Fused, multi-spectral automatic target recognition with XCS". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1874–1874, ACM Press, London, 7-11 July 2007.

[Garc 07a]   J. García-Nieto, E. Alba, and F. Chicano. "Using metaheuristic algorithms remotely via ROS". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1510–1510, ACM Press, London, 7-11 July 2007.

[Garc 07b]   J. García-Nieto, E. Alba, L. Jourdan, and E.-G. Talbi. "A comparison of PSO and GA approaches for gene selection and classification of microarray data". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 427–427, ACM Press, London, 7-11 July 2007.

[Gari 07]   O. O. Garibay and A. S. Wu. "Analyzing the effects of module encapsulation on search space bias". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1234–1241, ACM Press, London, 7-11 July 2007.

[Gauc 07] J. Gauci and K. Stanley. "Generating large-scale neural networks through discovering geometric regularities". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 997–1004, ACM Press, London, 7-11 July 2007.

[Gere 07] P. Geremia, M. Poian, and S. Poles. "Genetic optimization for yacht design". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2007–2012, ACM Press, London, 7-11 July 2007.

[Gog 07] A. Gog, D. Dumitrescu, and B. Hirsbrunner. "Collaborative evolutionary algorithms for combinatorial optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1511–1511, ACM Press, London, 7-11 July 2007.

[Gome 07] J. C. Gomez and O. Fuentes. "Using evolution strategies for automatic extraction of parameters for stellar population synthesis of galaxy spectra from sdss". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 722–722, ACM Press, London, 7-11 July 2007.

[Gong 07a] T. Gong and A. L. Tuson. "Binary particle swarm optimization: a forma analysis approach". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 172–172, ACM Press, London, 7-11 July 2007.

[Gong 07b] T. Gong and A. L. Tuson. "Enhanced forma analysis of permutation problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 923–930, ACM Press, London, 7-11 July 2007.

[Gonz 07a] E. Gonzales, K. Shimada, S. Mabu, K. Hirasawa, and J. Hu. "Genetic network programming with parallel processing for association rule mining in large and dense databases". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1512–1512, ACM Press, London, 7-11 July 2007.

[Gonz 07b] D. L. Gonzalez and F. F. de Vega. "Dynamic populations and length evolution: key factors for analyzing fault tolerance on parallel genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1752–1752, ACM Press, London, 7-11 July 2007.

[Gots 07]   S. P. Gotshall and T. Soule. "Stochastic training of a biologically plausible spino-neuromuscular system model". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 253–260, ACM Press, London, 7-11 July 2007.

[Graf 07]   M. Graff, R. Poli, and A. Moraglio. "Linear selection". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1513–1513, ACM Press, London, 7-11 July 2007.

[Grah 07a] L. K. Graham, S. Christensen, and F. Oppacher. "A simple genetic algorithm for reducible complexity". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1514–1514, ACM Press, London, 7-11 July 2007.

[Grah 07b] J. Grahl, P. A. N. Bosman, and S. Minner. "Convergence phases, variance trajectories, and runtime analysis of continuous EDAs". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 516–522, ACM Press, London, 7-11 July 2007.

[Graj 07]   A. Grajdeanu. "Methods for open-box analysis in artificial development". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1005–1012, ACM Press, London, 7-11 July 2007.

[Gree 07]   J. Greensmith and U. Aickelin. "Dendritic cells for SYN scan detection". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 49–56, ACM Press, London, 7-11 July 2007.

[Grim 07]   C. Grimme, J. Lepping, and A. Papaspyrou. "Exploring the behavior of building blocks for multi-objective variation operator design using predator-prey dynamics". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 805–812, ACM Press, London, 7-11 July 2007.

[Gui 07]   M. Gui, S. Das, and A. Pahwa. "Procreating V-detectors for nonself recognition: an application to anomaly detection in power systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 261–268, ACM Press, London, 7-11 July 2007.

[Hadd 07]   P. C. Haddow and J. Hoye. "Achieving a simple development model for 3D shapes: are chemicals necessary?". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark,

D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1013–1020, ACM Press, London, 7-11 July 2007.

[Hala 07a]   R. Halavati, S. B. Shouraki, M. J. Heravi, and B. J. Jashmi. "An artificial immune system with partially specified antibodies". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 57–62, ACM Press, London, 7-11 July 2007.

[Hala 07b]   R. Halavati, S. B. Shouraki, B. J. Jashmi, and M. J. Heravi. "Symbiotic tabu search". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1515–1515, ACM Press, London, 7-11 July 2007.

[Halm 07]   A. Halma and R. Turk. "Adaptive markov recombination". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1516–1516, ACM Press, London, 7-11 July 2007.

[Hama 07]   A. Hamann and R. Ernst. "Efficient priority optimization in complex distributed embedded systems through search space adaptation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1517–1517, ACM Press, London, 7-11 July 2007.

[Hana 07]   Y. Hanada, T. Hiroyasu, and M. Miki. "Genetic multi-step search in interpolation and extrapolation domain". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1242–1249, ACM Press, London, 7-11 July 2007.

[Hann 07]   S. Hanna. "Defining implicit objective functions for design problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2013–2020, ACM Press, London, 7-11 July 2007.

[Hara 07]   K. Harada, J. Sakuma, S. Kobayashi, and I. Ono. "Uniform sampling of local pareto-optimal solution curves by pareto path following and its applications in multi-objective GA". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 813–820, ACM Press, London, 7-11 July 2007.

[Hard 07]   S. L. Harding, J. F. Miller, and W. Banzhaf. "Self-modifying cartesian genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore,

F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1021–1028, ACM Press, London, 7-11 July 2007.

[Harm 07] M. Harman and L. Tratt. "Pareto optimal search based refactoring at the design level". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1106–1113, ACM Press, London, 7-11 July 2007.

[Haus 07] M. Hauschild, M. Pelikan, C. F. Lima, and K. Sastry. "Analyzing probabilistic models in hierarchical BOA on traps and spin glasses". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 523–530, ACM Press, London, 7-11 July 2007.

[He 07] J. He and Y. Zhou. "A comparison of GAs using penalizing infeasible solutions and repairing infeasible solutions on restrictive capacity knapsack problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1518–1518, ACM Press, London, 7-11 July 2007.

[Heie 07] E. M. Heien, T. Hiroyasu, and N. Fujimoto. "Investigation of mutation operators for the bayesian optimization algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 625–625, ACM Press, London, 7-11 July 2007.

[Heng 07] S. Hengjie, M. Chunyan, and S. Zhiqi. "Fuzzy cognitive map learning based on multi-objectiveparticle swarm optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 339–339, ACM Press, London, 7-11 July 2007.

[Hida 07] J. I. Hidalgo, F. F. de Vega, J. Lanchares, and D. Lombrana. "Is the island model fault tolerant?". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1519–1519, ACM Press, London, 7-11 July 2007.

[Hipp 07] J.-L. Hippolyte, C. Bloch, P. Chatonnay, C. Espanet, and D. Chamagne. "A self-adaptive multiagent evolutionary algorithm for electrical machine design". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1250–1255, ACM Press, London, 7-11 July 2007.

[Hiro 07] T. Hiroyasu, K. Yoshii, and M. Miki. "Discussion of parallel model of multi-objective genetic algorithms on heterogeneous computational resources". In: D. Thierens, H.-G.

Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 904–904, ACM Press, London, 7-11 July 2007.

[Hirs 07]   L. Hirsch, R. Hirsch, and M. Saeedi. "Evolving Lucene search queries for text classification". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1604–1611, ACM Press, London, 7-11 July 2007.

[Ho 07]   N. B. Ho and J. C. Tay. "Using evolutionary computation and local search to solve multi-objective flexible job shop problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 821–828, ACM Press, London, 7-11 July 2007.

[Horn 07]   J. Horn. "Optimal nesting of species for exact cover of resources: two against many". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 448–455, ACM Press, London, 7-11 July 2007.

[Hove 07]   B. A. Hoverstad. "Revisiting the personal satellite assistant: neuroevolution with a modified enforced sub-populations algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2021–2028, ACM Press, London, 7-11 July 2007.

[Hsie 07]   C.-T. Hsieh, C.-M. Chen, and Y. ping Chen. "Particle swarm guided evolution strategy". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 650–657, ACM Press, London, 7-11 July 2007.

[Hung 07]   P.-C. Hung, Y. ping Chen, and H. W. Zan. "Characteristic determination for solid state devices with evolutionary computation: a case study". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2029–2036, ACM Press, London, 7-11 July 2007.

[Hwan 07]   I. Hwang, Y.-H. Kim, and B.-R. Moon. "Overcoming barriers by a cluster-moving genetic algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1520–1520, ACM Press, London, 7-11 July 2007.

[Icla 07]   D. Iclanzan and D. Dumitrescu. "Overcoming hierarchical difficulty by hill-climbing the building block structure". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark,

D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1256–1263, ACM Press, London, 7-11 July 2007.

[Isaa 07]   J. C. Isaacs, S. Foo, and A. Meyer-Baese. "Evolutionary computation-based kernel optimal component analysis for pattern recognition". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2258–2258, ACM Press, London, 7-11 July 2007.

[Ishi 07]   H. Ishibuchi, Y. Nojima, N. Tsukamoto, and K. Ohara. "Effects of the use of non-geometric binary crossover on evolutionary multiobjective optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 829–836, ACM Press, London, 7-11 July 2007.

[Jack 07]   D. Jackson. "Hierarchical genetic programming based on test input subsets". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1612–1619, ACM Press, London, 7-11 July 2007.

[Jans 07a]   T. Jansen and M. Theile. "Stability in the self-organized evolution of networks". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 931–938, ACM Press, London, 7-11 July 2007.

[Jans 07b]   T. Jansen and D. Weyland. "Analysis of evolutionary algorithms for the longest common subsequence problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 939–946, ACM Press, London, 7-11 July 2007.

[Jaro 07]   J. Jaros, M. Ohlidal, and V. Dvorak. "An evolutionary approach to collective communication scheduling". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2037–2044, ACM Press, London, 7-11 July 2007.

[Jask 07a]   W. Jaskowski, K. Krawiec, and B. Wieloch. "Genetic programming for cross-task knowledge sharing". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1620–1627, ACM Press, London, 7-11 July 2007.

[Jask 07b]   W. Jaskowski, K. Krawiec, and B. Wieloch. "Knowledge reuse in genetic programming applied to visual learning". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A.

Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1790–1797, ACM Press, London, 7-11 July 2007.

[Jena 07] M. Jenabi, S. A. Torabi, and S. A. Mansouri. "A hybrid GA for a supply chain production planning problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2045–2052, ACM Press, London, 7-11 July 2007.

[John 07a] C. G. Johnson. "A genetic algorithm for coverage problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1521–1521, ACM Press, London, 7-11 July 2007.

[John 07b] M. D. Johnson, D. R. Tauritz, and R. W. Wilkerson. "SNDL-MOEA: stored non-domination level MOEA". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 837–844, ACM Press, London, 7-11 July 2007.

[Joos 07] R. Joost and R. Salomon. "High quality offset printing: an evolutionary approach". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2053–2058, ACM Press, London, 7-11 July 2007.

[Jurs 07] R. Jursa. "Variable selection for wind power prediction using particle swarm optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2059–2065, ACM Press, London, 7-11 July 2007.

[Kabl 07] R. Kabli, F. Herrmann, and J. McCall. "A chain-model genetic algorithm for Bayesian network structure learning". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1264–1271, ACM Press, London, 7-11 July 2007.

[Kass 07] Y. Kassahun, M. Edgington, J. H. Metzen, G. Sommer, and F. Kirchner. "A common genetic encoding for both direct and indirect encodings of networks". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1029–1036, ACM Press, London, 7-11 July 2007.

[Keed 07] E. Keedwell and A. Narayanan. "Gene finding and rule discovery with a multi-objective neural-genetic hybrid". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark,

D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 428–428, ACM Press, London, 7-11 July 2007.

[Kell 07]   R. E. Keller and R. Poli. "Linear genetic programming of metaheuristics". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1753–1753, ACM Press, London, 7-11 July 2007.

[Khan 07a]   A. A. Khan, M. Naeem, and S. I. Shah. "A particle swarm algorithm for symbols detection in wideband spatial multiplexing systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 63–69, ACM Press, London, 7-11 July 2007.

[Khan 07b]   G. M. Khan, J. F. Miller, and D. M. Halliday. "Coevolution of intelligent agents using cartesian genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 269–276, ACM Press, London, 7-11 July 2007.

[Khar 07]   F. Kharbat, L. Bull, and M. Odeh. "Mining breast cancer data with XCS". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2066–2073, ACM Press, London, 7-11 July 2007.

[Khor 07]   S. Khor. "Hill climbing on discrete HIFF: exploring the role of DNA transposition in long-term artificial evolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 277–284, ACM Press, London, 7-11 July 2007.

[Kim 07a]   D. Kim. "A quantitative analysis of memory requirement and generalization performance for robotic tasks". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 285–292, ACM Press, London, 7-11 July 2007.

[Kim 07b]   M. Kim, V. Aggarwal, U.-M. O'Reilly, and M. Medard. "A doubly distributed genetic algorithm for network coding". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1272–1279, ACM Press, London, 7-11 July 2007.

[Kimb 07]   S. O. Kimbrough and D. H. Wood. "On repair by binary interpolation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry,

K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1522–1522, ACM Press, London, 7-11 July 2007.

[Kipe 07] J. D. Kiper, M. S. Feather, and J. Richardson. "Optimizing the V&V process for critical systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1139–1139, ACM Press, London, 7-11 July 2007.

[Kirl 07] M. Kirley and R. Stewart. "An analysis of the effects of population structure on scalable multiobjective optimization problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 845–852, ACM Press, London, 7-11 July 2007.

[Klee 07] M. P. Kleeman, G. B. Lamont, K. M. Hopkinson, and S. R. Graham. "Multiobjective evolutionary algorithms for designing capacitated network centric communications". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 905–905, ACM Press, London, 7-11 July 2007.

[Klei 07] J. Klein and L. Spector. "Unwitting distributed genetic programming via asynchronous JavaScript and XML". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1628–1635, ACM Press, London, 7-11 July 2007.

[Knig 07] J. N. Knight and M. Lunacek. "Reducing the space-time complexity of the CMA-ES". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 658–665, ACM Press, London, 7-11 July 2007.

[Knoe 07] D. B. Knoester, P. K. McKinley, and C. A. Ofria. "Using group selection to evolve leadership in populations of self-replicating digital organisms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 293–300, ACM Press, London, 7-11 July 2007.

[Kodu 07a] P. Koduru, S. Das, and S. M. Welch. "Multi-objective hybrid PSO using µ-fuzzy dominance". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 853–860, ACM Press, London, 7-11 July 2007.

[Kodu 07b] P. Koduru, S. M. Welch, and S. Das. "A particle swarm optimization approach for estimating parameter confidence regions". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar,

J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 70–77, ACM Press, London, 7-11 July 2007.

[Kowa 07a] T. Kowaliw, P. Grogono, and N. Kharma. "Environment as a spatial constraint on the growth of structural form". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1037–1044, ACM Press, London, 7-11 July 2007.

[Kowa 07b] C. A. Kowall and B. J. Krent. "A simulation of evolved autotrophic reproduction". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 340–340, ACM Press, London, 7-11 July 2007.

[Koza 07] J. R. Koza, S. H. Al-Sakran, L. W. Jones, and G. 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: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2074–2081, ACM Press, London, 7-11 July 2007.

[Kram 07a] O. Kramer, S. Brügger, and D. Lazovic. "Sex and death: towards biologically inspired heuristics for constraint handling". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 666–673, ACM Press, London, 7-11 July 2007.

[Kram 07b] O. Kramer, B. Gloger, and A. Goebels. "An experimental analysis of evolution strategies and particle swarm optimisers using design of experiments". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 674–681, ACM Press, London, 7-11 July 2007.

[Kram 07c] O. Kramer and P. Koch. "Self-adaptive partially mapped crossover". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1523–1523, ACM Press, London, 7-11 July 2007.

[Kucc 07] A. Küçükural, R. Yeniterzi, S. Yeniterzi, and O. U. Sezerman. "Evolutionary selection of minimum number of features for classification of gene expression data using genetic algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 401–406, ACM Press, London, 7-11 July 2007.

[Kuma 07]   R. Kumar and P. K. Singh. "On quality performance of heuristic and evolutionary algorithms for biobjective minimum spanning trees". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2259–2259, ACM Press, London, 7-11 July 2007.

[Lai 07]   C.-C. Lai, C.-K. Ting, and R.-S. Ko. "An effective genetic algorithm for improving wireless sensor network lifetime". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2260–2260, ACM Press, London, 7-11 July 2007.

[Lakh 07]   K. Lakhotia, M. Harman, and P. McMinn. "A multi-objective approach to search-based test data generation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1098–1105, ACM Press, London, 7-11 July 2007.

[Lam 07]   H. T. Lam, P. N. Nicolaevna, and N. T. M. Quan. "A heuristic particle swarm optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 174–174, ACM Press, London, 7-11 July 2007.

[Lang 07]   R. C. Lange and S. Mancoridis. "Using code metric histograms and genetic algorithms to perform author identification for software forensics". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2082–2089, ACM Press, London, 7-11 July 2007.

[Lanz 07a]   P. L. Lanzi, M. V. Butz, and D. E. Goldberg. "Empirical analysis of generalization and learning in XCS with gradient descent". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1814–1821, ACM Press, London, 7-11 July 2007.

[Lanz 07b]   P. L. Lanzi and D. Loiacono. "Classifier systems that compute action mappings". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1822–1829, ACM Press, London, 7-11 July 2007.

[Lath 07]   W. Latham, M. Shaw, S. Todd, and F. F. Leymarie. "Using DNA to generate 3D organic art forms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 429–429, ACM Press, London, 7-11 July 2007.

[Lava 07]   M. R. Lavagna. "Multi-objective pso for interplanetary trajectory design". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 175–175, ACM Press, London, 7-11 July 2007.

[Lee 07]   J.-W. Lee, S.-S. Choi, and B.-R. Moon. "An evolutionary keystroke authentication based on ellipsoidal hypothesis space". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2090–2097, ACM Press, London, 7-11 July 2007.

[Leon 07]   C. León, G. Miranda, and C. Segura. "Parallel skeleton for multi-objective optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 906–906, ACM Press, London, 7-11 July 2007.

[Li 07a]   R. Li, B. Bhanu, and K. Krawiec. "Hybrid coevolutionary algorithms vs. SVM algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 456–463, ACM Press, London, 7-11 July 2007.

[Li 07b]   R. Li, B. Bhanu, and K. Krawiec. "On the number of subpopulations in coevolutionary computation: a database application". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 489–489, ACM Press, London, 7-11 July 2007.

[Li 07c]   X. Li. "A multimodal particle swarm optimizer based on fitness Euclidean-distance ratio". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 78–85, ACM Press, London, 7-11 July 2007.

[Li 07d]   X. Li, J. Branke, and M. Kirley. "Performance measures and particle swarm methods for dynamic multi-objective optimization problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 907–907, ACM Press, London, 7-11 July 2007.

[Li 07e]   Z. Li and E. D. Goodman. "Learning building block structure from crossover failure". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1280–1287, ACM Press, London, 7-11 July 2007.

[Li 07f]   Z. Li and G. Rudolph. "A framework of quantum-inspired multi-objective evolutionary algorithms and its convergence condition". In: D. Thierens, H.-G. Beyer, J. Bongard,

J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 908–908, ACM Press, London, 7-11 July 2007.

[Lias 07]   K. Liaskos, M. Roper, and M. Wood. "Investigating data-flow coverage of classes using evolutionary algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1140–1140, ACM Press, London, 7-11 July 2007.

[Lich 07]   P. Lichodzijewski and M. I. Heywood. "Pareto-coevolutionary genetic programming for problem decomposition in multi-class classification". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 464–471, ACM Press, London, 7-11 July 2007.

[Lim 07]   D. Lim, Y.-S. Ong, Y. Jin, and B. Sendhoff. "A study on metamodeling techniques, ensembles, and multi-surrogates in evolutionary computation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1288–1295, ACM Press, London, 7-11 July 2007.

[Lipi 07]   P. Lipinski. "ECGA vs. BOA in discovering stock market trading experts". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 531–538, ACM Press, London, 7-11 July 2007.

[Liu 07]   X. Liu, L. Wang, X. Zhu, Z. Bai, M. Zhang, and H. Liu. "Fitness calculation approach for nested if-else construct in evolutionary testing". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1141–1141, ACM Press, London, 7-11 July 2007.

[Llor 07a]   X. Llorà, R. Reddy, B. Matesic, and R. Bhargava. "Towards better than human capability in diagnosing prostate cancer using infrared spectroscopic imaging". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2098–2105, ACM Press, London, 7-11 July 2007.

[Llor 07b]   X. Llorà, K. Sastry, T.-L. Yu, and D. E. Goldberg. "Do not match, inherit: fitness surrogates for genetics-based machine learning techniques". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1798–1805, ACM Press, London, 7-11 July 2007.

[Lock 07] A. J. Lockett, C. L. Chen, and R. Miikkulainen. "Evolving explicit opponent models in game playing". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2106–2113, ACM Press, London, 7-11 July 2007.

[Loia 07] D. Loiacono, A. Marelli, and P. L. Lanzi. "Support vector regression for classifier prediction". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1806–1813, ACM Press, London, 7-11 July 2007.

[Look 07a] M. Looks. "Meta-optimizing semantic evolutionary search". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 626–626, ACM Press, London, 7-11 July 2007.

[Look 07b] M. Looks. "On the behavioral diversity of random programs". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1636–1642, ACM Press, London, 7-11 July 2007.

[Look 07c] M. Looks. "Scalable estimation-of-distribution program evolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 539–546, ACM Press, London, 7-11 July 2007.

[Look 07d] M. Looks, B. Goertzel, L. de Souza Coelho, M. Mudado, and C. Pennachin. "Clustering gene expression data via mining ensembles of classification rules evolved using moses". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 407–414, ACM Press, London, 7-11 July 2007.

[Look 07e] M. Looks, B. Goertzel, L. de Souza Coelho, M. Mudado, and C. Pennachin. "Understanding microarray data through applying competent program evolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 430–430, ACM Press, London, 7-11 July 2007.

[Lour 07] N. C. Lourenço and N. C. Horta. "Automatic analog IC layout generation based on a evolutionary computation approach". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2261–2261, ACM Press, London, 7-11 July 2007.

[Luke 07]   S. Luke, D. Sharma, and G. C. Balan. "Finding interesting things". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 86–93, ACM Press, London, 7-11 July 2007.

[Luna 07]   F. Luna, C. Blum, E. Alba, and A. J. Nebro. "ACO vs EAs for solving a real-world frequency assignment problem in GSM networks". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 94–101, ACM Press, London, 7-11 July 2007.

[Lung 07]   R. I. Lung and D. Dumitrescu. "A new evolutionary model for detecting multiple optima". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1296–1303, ACM Press, London, 7-11 July 2007.

[Luth 07]   L. Luthi, M. Tomassini, M. Giacobini, and W. B. Langdon. "The genetic programming collaboration network and its communities". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1643–1650, ACM Press, London, 7-11 July 2007.

[Ma 07]   I. Ma, T. Wong, and T. Sankar. "Volatility forecasting using time series data mining and evolutionary computation techniques". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2262–2262, ACM Press, London, 7-11 July 2007.

[Mabu 07]   S. Mabu, Y. Chen, K. Hirasawa, and J. Hu. "Genetic network programming with actor-critic and its application to stock trading model". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2263–2263, ACM Press, London, 7-11 July 2007.

[Maje 07a]   H. Majeed and C. Ryan. "Context-aware mutation: a modular, context aware mutation operator for genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1651–1658, ACM Press, London, 7-11 July 2007.

[Maje 07b]   H. Majeed and C. Ryan. "On the constructiveness of context-aware crossover". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1659–1666, ACM Press, London, 7-11 July 2007.

[Mans 07] S. A. Mansouri, S. H. Hendizadeh, and N. Salmasi. "Bicriteria two-machine flowshop scheduling using metaheuristics". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 909–909, ACM Press, London, 7-11 July 2007.

[Manu 07] n. Manuel López-Ibá T. D. Prasad, and B. Paechter. "Solving optimal pump control problem using max-min ant system". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 176–176, ACM Press, London, 7-11 July 2007.

[Mari 07] C. E. Mariano, V. H. Alcocer, and E. F. Morales. "Incremental refinement of solutions for multiple objective optimization problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 910–910, ACM Press, London, 7-11 July 2007.

[Mart 07] L. Martí, J. García, A. Berlanga, and J. M. Molina. "A cumulative evidential stopping criterion for multiobjective optimization evolutionary algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 911–911, ACM Press, London, 7-11 July 2007.

[Mata 07] N. Matake, T. Hiroyasu, M. Miki, and T. Senda. "Multiobjective clustering with automatic k-determination for large-scale data". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 861–868, ACM Press, London, 7-11 July 2007.

[Matt 07] C. Mattiussi, P. Dürr, and D. Floreano. "Center of mass encoding: a self-adaptive representation with adjustable redundancy for real-valued parameters". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1304–1311, ACM Press, London, 7-11 July 2007.

[Mazh 07] N. Mazhar and M. Farooq. "Vulnerability analysis and security framework (BeeSec) for nature inspired MANET routing protocols". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 102–109, ACM Press, London, 7-11 July 2007.

[Mbog 07] A. J. W. Mbogho and L. L. Scarlatos. "Genetic parameter tuning for reliable segmentation of colored visual tags". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1525–1525, ACM Press, London, 7-11 July 2007.

[McCo 07]   J. McCormack. "Artificial ecosystems for creative discovery". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 301–307, ACM Press, London, 7-11 July 2007.

[McCu 07]   C. McCubbin, D. Scheidt, O. Bandte, S. Marshall, and I. Trifonov. "Using genetic algorithms for naval subsystem damage assessment and design improvements". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2114–2121, ACM Press, London, 7-11 July 2007.

[McNa 07]   A. W. McNabb, C. K. Monson, and K. D. Seppi. "MRPSO: MapReduce particle swarm optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 177–177, ACM Press, London, 7-11 July 2007.

[Mehn 07]   J. Mehnen, R. Roy, P. Kersting, and T. Wagner. "ICSPEA: evolutionary five-axis milling path optimisation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2122–2128, ACM Press, London, 7-11 July 2007.

[Meno 07]   F. Menolascina, R. T. Alves, S. Tommasi, P. Chiarappa, M. Delgado, G. Mastronardi, A. Paradiso, A. Freitas, and V. Bevilacqua. "Induction of fuzzy rules with artificial immune systems in acgh based er status breast cancer characterization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 431–431, ACM Press, London, 7-11 July 2007.

[Mere 07]   J. J. Merelo and C. Cotta. "Who is the best connected EC researcher?". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1526–1526, ACM Press, London, 7-11 July 2007.

[Mier 07]   I. Mierswa. "Controlling overfitting with multi-objective support vector machines". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1830–1837, ACM Press, London, 7-11 July 2007.

[Miki 07]   M. Miki, M. Hashimoto, and Y. Fujita. "Program search with simulated annealing". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1754–1754, ACM Press, London, 7-11 July 2007.

[Mill 07] R. Mills and R. A. Watson. "Variable discrimination of crossover versus mutation using parameterized modular structure". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1312–1319, ACM Press, London, 7-11 July 2007.

[Mitc 07] G. Mitchell, B. McMullin, J. Decraene, and C. Kelly. "Quality time tradeoff operator for designing efficient multi level genetic algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1527–1527, ACM Press, London, 7-11 July 2007.

[Moha 07] A. S. Mohais, R. Mohais, C. Ward, and C. Posthoff. "Earthquake classifying neural networks trained with random dynamic neighborhood PSOs". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 110–117, ACM Press, London, 7-11 July 2007.

[Moor 07] J. H. Moore, N. Barney, and B. C. White. "Towards human-human-computer interaction for biologically-inspired problem-solving in human genetics". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 432–433, ACM Press, London, 7-11 July 2007.

[Mora 07] A. Moraglio and J. Togelius. "Geometric particle swarm optimization for the sudoku puzzle". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 118–125, ACM Press, London, 7-11 July 2007.

[Most 07] S. Mostaghim, J. Branke, and H. Schmeck. "Multi-objective particle swarm optimization on computer grids". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 869–875, ACM Press, London, 7-11 July 2007.

[Munt 07] O. Muntean, L. Diosan, and M. Oltean. "Best SubTree genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1667–1673, ACM Press, London, 7-11 July 2007.

[Murp 07] G. Murphy and C. Ryan. "Seeding methods for run transferable libraries". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1755–1755, ACM Press, London, 7-11 July 2007.

[Nann 07]   V. Nannen and A. E. Eiben. "Variance reduction in meta-EDA". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 627–627, ACM Press, London, 7-11 July 2007.

[Nebr 07]   A. J. Nebro, E. Alba, G. Molina, F. Chicano, F. Luna, and J. J. Durillo. "Optimal antenna placement using a new multi-objective chc algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 876–883, ACM Press, London, 7-11 July 2007.

[Nguy 07]   X. H. Nguyen, Q. U. Nguyen, and R. I. McKay. "PSO with randomized low-discrepancy sequences". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 173–173, ACM Press, London, 7-11 July 2007.

[Nits 07]   G. S. Nitschke, M. C. Schut, and A. E. Eiben. "Collective specialization in multi-rover systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 342–342, ACM Press, London, 7-11 July 2007.

[Odeh 07]   O. Odeh, P. Koduru, S. Das, A. M. Featherstone, and S. M. Welch. "A multi-objective approach for the prediction of loan defaults". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2129–2136, ACM Press, London, 7-11 July 2007.

[OKee 07]   M. K. O'Keeffe and M. O. Cinneide. "Getting the most from search-based refactoring". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1114–1120, ACM Press, London, 7-11 July 2007.

[Oran 07]   D. Oranchak. "Evolutionary synthesis of photographic artwork using human fitness function derived from web-based social networks". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2264–2264, ACM Press, London, 7-11 July 2007.

[Orri 07a]   A. Orriols-Puig, D. E. Goldberg, K. Sastry, and E. Bernadó-Mansilla. "Modeling XCS in class imbalances: population size and parameter settings". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1838–1845, ACM Press, London, 7-11 July 2007.

[Orri 07b]   A. Orriols-Puig, K. Sastry, P. L. Lanzi, D. E. Goldberg, and E. Bernadó-Mansilla. "Modeling selection pressure in XCS for proportionate and tournament selection". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1846–1853, ACM Press, London, 7-11 July 2007.

[Otti 07]   J. Ottino-Loffler, W. Rand, and U. Wilensky. "A spatial model of the red queen effect". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 490–491, ACM Press, London, 7-11 July 2007.

[Pan 07]   Q.-Q. Pan, M. F. Tasgetiren, and Y.-C. Liang. "A discrete differential evolution algorithm for the permutation flowshop scheduling problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 126–133, ACM Press, London, 7-11 July 2007.

[Paul 07]   T. Paulden and D. K. Smith. "Some novel locality results for the blob code spanning tree representation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1320–1327, ACM Press, London, 7-11 July 2007.

[Payn 07a]   J. L. Payne and M. J. Eppstein. "Takeover times on scale-free topologies". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 308–315, ACM Press, London, 7-11 July 2007.

[Payn 07b]   J. L. Payne and M. J. Eppstein. "Why your mates shouldn't date". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1528–1528, ACM Press, London, 7-11 July 2007.

[Peli 07a]   M. Pelikan and A. K. Hartmann. "Obtaining ground states of ising spin glasses via optimizing bonds instead of spins". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 628–628, ACM Press, London, 7-11 July 2007.

[Peli 07b]   M. Pelikan, R. Kalapala, and A. K. Hartmann. "Hybrid evolutionary algorithms on minimum vertex cover for random graphs". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 547–554, ACM Press, London, 7-11 July 2007.

[Peli 07c]   M. Pelikan and J. D. Laury, Jr. "Order or not: does parallelization of model building in hBOA affect its scalability?". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 555–561, ACM Press, London, 7-11 July 2007.

[Peli 07d]   M. Pelikan, S. Tsutsui, and R. Kalapala. "Dependency trees, permutations, and quadratic assignment problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 629–629, ACM Press, London, 7-11 July 2007.

[Pell 07]   P. Pellegrini and E. Moretti. "Quick-and-dirty ant colony optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 178–178, ACM Press, London, 7-11 July 2007.

[Pere 07]   A. M. Perez-Bellido, S. Salcedo-Sanz, E. G. Ortiz-Garcia, and A. Portilla-Figueras. "A hybrid evolutionary programming algorithm for spread spectrum radar polyphase codes design". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 682–688, ACM Press, London, 7-11 July 2007.

[Pete 07]   M. R. Peterson, G. B. Lamont, F. Moore, and P. Marshall. "Targeted filter evolution for improved image reconstruction resolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2137–2144, ACM Press, London, 7-11 July 2007.

[Petr 07]   P. Petrovic. "Strengths and weaknesses of FSA representation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 723–725, ACM Press, London, 7-11 July 2007.

[Pfei 07]   J. Pfeiffer and F. Rothlauf. "Analysis of greedy heuristics and weight-coded eas for multidimensional knapsack problems and multi-unit combinatorial auctions". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1529–1529, ACM Press, London, 7-11 July 2007.

[Phil 07]   C. Philemotte and H. Bersini. "A gestalt genetic algorithm: less details for better search". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1328–1334, ACM Press, London, 7-11 July 2007.

[Picc 07]   S. Piccand, M. O'Neill, and J. Walker. "Scalability of particle swarm algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 179–179, ACM Press, London, 7-11 July 2007.

[Poli 07a]   R. Poli and D. Broomhead. "Exact analysis of the sampling distribution for the canonical particle swarm optimiser and its convergence during stagnation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 134–141, ACM Press, London, 7-11 July 2007.

[Poli 07b]   R. Poli and W. B. Langdon. "Markov chain models of bare-bones particle swarm optimizers". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 142–149, ACM Press, London, 7-11 July 2007.

[Poli 07c]   R. Poli and L. Vanneschi. "Fitness-proportional negative slope coefficient as a hardness measure for genetic algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1335–1342, ACM Press, London, 7-11 July 2007.

[Povs 07]   P. Pošík and V. Franc. "Estimation of fitness landscape contours in EAs". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 562–569, ACM Press, London, 7-11 July 2007.

[Powe 07a]   D. Powell and J. Hollingsworth. "A NSGA-II, web-enabled, parallel optimization framework for NLP and MINLP". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2145–2150, ACM Press, London, 7-11 July 2007.

[Powe 07b]   S. T. Powers and R. A. Watson. "Preliminary investigations into the evolution of cooperative strategies in a minimally spatial model". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 343–343, ACM Press, London, 7-11 July 2007.

[Prie 07]   S. Priesterjahn and A. Weimer. "An evolutionary online adaptation method for modern computer games based on imitation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 344–345, ACM Press, London, 7-11 July 2007.

[Prug 07] A. Prugel-Bennett. "Finding critical backbone structures with genetic algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1343–1348, ACM Press, London, 7-11 July 2007.

[Qiu 07] Q. Qiu, D. Burns, P. Mukre, and Q. Wu. "Hardware acceleration of multi-deme genetic algorithm for the application of DNA codeword searching". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1349–1356, ACM Press, London, 7-11 July 2007.

[Quir 07] J. C. Quiroz, S. J. Louis, and S. M. Dascalu. "Interactive evolution of XUL user interfaces". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2151–2158, ACM Press, London, 7-11 July 2007.

[Radi 07] A. M. Radi and S. Y. El-Bakry. "Genetic programming approach for positron collisions with alkali-metal atom". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1756–1756, ACM Press, London, 7-11 July 2007.

[Rami 07] R. Ramirez and A. Hazan. "Inducing a generative expressive performance model using a sequential-covering genetic algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2159–2166, ACM Press, London, 7-11 July 2007.

[Reic 07] J. Reichel and M. Skutella. "Evolutionary algorithms and matroid optimization problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 947–954, ACM Press, London, 7-11 July 2007.

[Reis 07a] G. Reis and F. Fernandez Vega. "Electronic synthesis using genetic algorithms for automatic music transcription". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1959–1966, ACM Press, London, 7-11 July 2007.

[Reis 07b] J. Reisinger and R. Miikkulainen. "Acquiring evolvability through adaptive representations". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1045–1052, ACM Press, London, 7-11 July 2007.

[Ridg 07a] E. Ridge and D. Kudenko. "Analyzing heuristic performance with response surface models: prediction, optimization and robustness". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 150–157, ACM Press, London, 7-11 July 2007.

[Ridg 07b] E. Ridge and D. Kudenko. "Screening the parameters affecting heuristic performance". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 180–180, ACM Press, London, 7-11 July 2007.

[Rief 07] J. Rieffel, H. Lipson, and F. J. Valero-Cuevas. "Growing form-filling tensegrity structures using map L-systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1063–1063, ACM Press, London, 7-11 July 2007.

[Rimc 07] S. Rimcharoen, D. Sutivong, and P. Chongstitvatana. "A synthesis of optimal stopping time in compact genetic algorithm based on real options approach". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 630–630, ACM Press, London, 7-11 July 2007.

[Roch 07] M. Rocha, R. Mendes, P. Maia, n. Daniel Glez-Pe and F. Fdez-Riverola. "A platform for the selection of genes in DNA microarraydata using evolutionary algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 415–423, ACM Press, London, 7-11 July 2007.

[Rohl 07a] P. Rohlfshagen and J. A. Bullinaria. "ExGA II: an improved exonic genetic algorithm for the multiple knapsack problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1357–1364, ACM Press, London, 7-11 July 2007.

[Rohl 07b] P. Rohlfshagen and J. A. Bullinaria. "A genetic algorithm with exon shuffling crossover for hard bin packing problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1365–1371, ACM Press, London, 7-11 July 2007.

[Rome 07] A. Romero and F. Nino. "Keyword extraction using an artificial immune system". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 181–181, ACM Press, London, 7-11 July 2007.

[Ronk 07]   J. I. Rönkkönen and J. Lampinen. "An extended mutation concept for the local selection based differential evolution algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 689–696, ACM Press, London, 7-11 July 2007.

[Ross 07]   C. Rossi, A. Barrientos, and J. del Cerro. "Two adaptive mutation operators for optima tracking in dynamic optimization problems with evolution strategies". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 697–704, ACM Press, London, 7-11 July 2007.

[Rota 07]   C. Rotar, D. Dumitrescu, and R. I. Lung. "Guided hyperplane evolutionary algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 884–891, ACM Press, London, 7-11 July 2007.

[Saku 07]   J. Sakuma and S. Kobayashi. "A genetic algorithm for privacy preserving combinatorial optimization". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1372–1379, ACM Press, London, 7-11 July 2007.

[Salh 07]   A. Salhi, J. A. V. Rodríguez, and Q. Zhang. "An estimation of distribution algorithm with guided mutation for a complex flow shop scheduling problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 570–576, ACM Press, London, 7-11 July 2007.

[Sast 07a]   K. Sastry and D. E. Goldberg. "Let's get ready to rumble redux: crossover versus mutation head to head on exponentially scaled problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1380–1387, ACM Press, London, 7-11 July 2007.

[Sast 07b]   K. Sastry, D. E. Goldberg, and X. Llora. "Towards billion-bit optimization via a parallel estimation of distribution algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 577–584, ACM Press, London, 7-11 July 2007.

[Sast 07c]   K. Sastry, M. Pelikan, and D. E. Goldberg. "Empirical analysis of ideal recombination on random decomposable problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1388–1395, ACM Press, London, 7-11 July 2007.

[Sato 07]   Y. Sato, Y. Yasuda, and R. Goto. "Analysis of noisy time-series signals with GA involving viral infection with tropism". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1396–1403, ACM Press, London, 7-11 July 2007.

[Schm 07a] M. Schmidt and H. Lipson. "Comparison of tree and graph encodings as function of problem complexity". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1674–1679, ACM Press, London, 7-11 July 2007.

[Schm 07b] M. D. Schmidt and H. Lipson. "Learning noise". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1680–1685, ACM Press, London, 7-11 July 2007.

[Scho 07]   J. Schonfeld. "A study of mutational robustness as the product of evolutionary computation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1404–1411, ACM Press, London, 7-11 July 2007.

[Schu 07]   O. Schütze, M. Laumanns, E. Tantar, C. A. Coello Coello, and E. ghazali Talbi. "Convergence of stochastic search algorithms to gap-free pareto front approximations". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 892–901, ACM Press, London, 7-11 July 2007.

[Schw 07]   J. Schwarz, J. Jaros, and J. Ocenasek. "Migration of probabilistic models for island-based bivariate EDA algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 631–631, ACM Press, London, 7-11 July 2007.

[Seka 07]   I. Sekaj, J. Perkacz, and T. Palenik. "Controller design based on genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2265–2265, ACM Press, London, 7-11 July 2007.

[Shaf 07a] M. Z. Shafiq, M. Kiani, B. Hashmi, and M. Farooq. "Extended thymus action for reducing false positives in ais based network intrusion detection systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 182–182, ACM Press, London, 7-11 July 2007.

[Shaf 07b] L. S. Shafti and E. Pérez. "MDL-based fitness for feature construction". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1875–1875, ACM Press, London, 7-11 July 2007.

[Shak 07] S. Shakya, F. Oliveira, and G. Owusu. "An application of EDA and GA to dynamic pricing". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 585–592, ACM Press, London, 7-11 July 2007.

[Shan 07] A. Shankar, S. J. Louis, S. Dascalu, R. Houmanfar, and L. J. Hayes. "XCS for adaptive user-interfaces". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1876–1876, ACM Press, London, 7-11 July 2007.

[Shir 07a] O. M. Shir and T. Bäck. "Performance analysis of niching algorithms based on derandomized-ES variants". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 705–712, ACM Press, London, 7-11 July 2007.

[Shir 07b] O. M. Shir and T. Bäck. "The second harmonic generation case-study as a gateway for es to quantum control problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 713–721, ACM Press, London, 7-11 July 2007.

[Shir 07c] O. M. Shir, T. Bäck, and M. J. J. Vrakking. "On the scalability of evolution strategies in the optimization of dynamic molecular alignment". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2266–2266, ACM Press, London, 7-11 July 2007.

[Shir 07d] S. Shirakawa, S. Ogino, and T. Nagao. "Graph structured program evolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1686–1693, ACM Press, London, 7-11 July 2007.

[Smit 07a] J. E. Smith. "Credit assignment in adaptive memetic algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1412–1419, ACM Press, London, 7-11 July 2007.

[Smit 07b] M. Smith and L. Bull. "Improving the human readability of features constructed by genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark,

D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1694–1701, ACM Press, London, 7-11 July 2007.

[Smit 07c] R. E. Smith and M. K. Jiang. "MILCS: a mutual information learning classifier system". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1877–1877, ACM Press, London, 7-11 July 2007.

[Snym 07] J. A. Snyman and S. Kok. "A strongly interacting dynamic particle swarm optimizational method". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 183–183, ACM Press, London, 7-11 July 2007.

[Sola 07] M. Solano and I. Jonyer. "Towards an optimal restart strategy for genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1757–1757, ACM Press, London, 7-11 July 2007.

[Sond 07] F. Sondahl and W. Rand. "Evolution of non-uniform cellular automata using a genetic algorithm: diversity and computation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1531–1531, ACM Press, London, 7-11 July 2007.

[Spec 07] L. Spector, J. Klein, and M. Feinstein. "Division blocks and the open-ended evolution of development, form, and behavior". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 316–323, ACM Press, London, 7-11 July 2007.

[Stan 07] A. Stanoyevitch. "Homogeneous genetic algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1532–1532, ACM Press, London, 7-11 July 2007.

[Stew 07] R. L. Stewart and M. Kirley. "Swarming with logic". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 184–184, ACM Press, London, 7-11 July 2007.

[Stoe 07] C. L. Stoean, M. Preuss, R. Stoean, and D. Dumitrescu. "Disburdening the species conservation evolutionary algorithm of arguing with radii". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O.

Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1420–1427, ACM Press, London, 7-11 July 2007.

[Ston 07] C. Stone, R. Toth, A. Adamatzky, B. de Lacy Costello, and L. Bull. "Towards the coevolution of cellular automata controllers for chemical computing with the B-Z reaction". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 472–478, ACM Press, London, 7-11 July 2007.

[Sull 07a] J. Sullivan and C. Ryan. "A destructive evolutionary process: a pilot implementation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2167–2173, ACM Press, London, 7-11 July 2007.

[Sull 07b] K. M. Sullivan and S. Luke. "Evolving kernels for support vector machine classification". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1702–1707, ACM Press, London, 7-11 July 2007.

[Sutt 07] A. M. Sutton, M. Lunacek, and L. D. Whitley. "Differential evolution and non-separability: using selective pressure to focus search". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1428–1435, ACM Press, London, 7-11 July 2007.

[Swif 07] S. Swift, A. Tucker, J. Crampton, and D. Garway-Heath. "An improved restricted growth function genetic algorithm for the consensus clustering of retinal nerve fibre data". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2174–2181, ACM Press, London, 7-11 July 2007.

[Tabo 07] K. Taboada, K. Shimada, S. Mabu, K. Hirasawa, and J. Hu. "Association rule mining for continuous attributes using genetic network programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1758–1758, ACM Press, London, 7-11 July 2007.

[Tahe 07] K. Tahera, R. N. Ibrahim, and P. B. Lochert. "Adopting dynamic operators in a genetic algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1533–1533, ACM Press, London, 7-11 July 2007.

[Tame 07] K. Tamee, L. Bull, and O. Pinngern. "Towards clustering with XCS". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr,

T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1854–1860, ACM Press, London, 7-11 July 2007.

[Tasg 07]   M. F. Tasgetiren, P. N. Suganthan, and Q.-Q. Pan. "A discrete particle swarm optimization algorithm for the generalized traveling salesman problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 158–167, ACM Press, London, 7-11 July 2007.

[Teng 07]   A. Tengg, A. Klausner, and B. Rinner. "An improved genetic algorithm for task allocation in distributed embedded systems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1534–1534, ACM Press, London, 7-11 July 2007.

[Tera 07]   H. Terashima-Marin, C. J. F. Zarate, P. Ross, and M. Valenzuela-Rendon. "Comparing two models to generate hyper-heuristics for the 2d-regular bin-packing problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2182–2189, ACM Press, London, 7-11 July 2007.

[Teyt 07]   O. Teytaud and S. Gelly. "DCMA: yet another derandomization in covariance-matrix-adaptation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 955–963, ACM Press, London, 7-11 July 2007.

[Than 07]   R. Thangavelu and S. Pradeep. "An online implementable differential evolution tuned optimal guidance law". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2190–2194, ACM Press, London, 7-11 July 2007.

[Thie 07]   D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds. *GECCO 2007: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, ACM Press, London, UK, 7-11 July 2007.

[Thom 07]   R. Thomason and T. Soule. "Novel ways of improving cooperation and performance in ensemble classifiers". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1708–1715, ACM Press, London, 7-11 July 2007.

[Tiag 07]   a. Tiago Leit F. B. Pereira, J. Tavares, and E. Costa. "Niching techniques: a study on the cluster geometry optimization problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar,

J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1524–1524, ACM Press, London, 7-11 July 2007.

[Ting 07]   C.-K. Ting. "Multi-parent extension of edge recombination". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1535–1535, ACM Press, London, 7-11 July 2007.

[Toge 07]   J. Togelius, R. De Nardi, H. Marques, R. Newcombe, S. M. Lucas, and O. Holland. "Nonlinear dynamics modelling for controller evolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 324–333, ACM Press, London, 7-11 July 2007.

[Tole 07]   C. D. Toledo-Suárez, M. Valenzuela-Rendón, H. Terashima-Marín, and E. Uresti-Charre. "On the relativity in the assessment of blind optimization algorithms and the problem-algorithm coevolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1436–1443, ACM Press, London, 7-11 July 2007.

[Torr 07]   S. R. D. Torres, D. C. B. Romero, L. F. N. Vasquez, and Y. J. P. Ardila. "A novel ab-initio genetic-based approach for protein folding prediction". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 393–400, ACM Press, London, 7-11 July 2007.

[Tran 07]   H. T. Tran, C. Sanza, Y. Duthen, and T. D. Nguyen. "XCSF with computed continuous action". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1861–1869, ACM Press, London, 7-11 July 2007.

[Trip 07]   H. Tripp and P. Palmer. "Distribution replacement: how survival of the worst can out perform survival of the fittest". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1444–1451, ACM Press, London, 7-11 July 2007.

[Tuck 07]   A. Tucker, S. Swift, and J. Crampton. "Efficiency updates for the restricted growth function GA for grouping problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1536–1536, ACM Press, London, 7-11 July 2007.

[Tufa 07]   M. Tufail and L. E. Ormsbee. "Genetic algorithms for water quality management in an urban watershed". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2267–2267, ACM Press, London, 7-11 July 2007.

[Turn 07]   C. J. Turner and A. Tiwari. "An experimental evaluation of genetic process mining". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2268–2268, ACM Press, London, 7-11 July 2007.

[Urqu 07]   N. B. Urquhart. "Carbon-friendly travel plan construction using an evolutionary algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2269–2269, ACM Press, London, 7-11 July 2007.

[Vann 07]   L. Vanneschi, D. Rochat, and M. Tomassini. "Multi-optimization improves genetic programming generalization ability". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1759–1759, ACM Press, London, 7-11 July 2007.

[Viei 07]   C. C. Vieira and C. M. Fonseca. "A unified model of optimisation problems". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1537–1537, ACM Press, London, 7-11 July 2007.

[Vraj 07]   D. Vrajitoru. "Hybrid multiobjective optimization genetic algorithms for graph drawing". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 912–912, ACM Press, London, 7-11 July 2007.

[Wagn 07]   T. Wagner, T. Michelitsch, and A. Sacharow. "On the design of optimisers for surface reconstruction". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2195–2202, ACM Press, London, 7-11 July 2007.

[Walk 07a]   J. A. Walker and J. F. Miller. "Solving real-valued optimisation problems using cartesian genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1724–1730, ACM Press, London, 7-11 July 2007.

[Walk 07b]   M. Walker, H. Edwards, and C. Messom. "The reliability of confidence intervals for computational effort comparisons". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke,

J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1716–1723, ACM Press, London, 7-11 July 2007.

[Walk 07c]   M. Walker, H. Edwards, and C. Messom. ""Success effort"for performance comparisons". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1760–1760, ACM Press, London, 7-11 July 2007.

[Wang 07a]   C.-W. Wang, L.-M. Sun, M.-H. Jin, C.-J. Fu, L. Liu, C.-H. Chan, and C.-Y. Kao. "A genetic algorithm for resident physician scheduling problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2203–2210, ACM Press, London, 7-11 July 2007.

[Wang 07b]   J. Wang and Y. Zhou. "Hybrid quantum particle swarm optimization algorithm for combinatorial optimization problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 185–185, ACM Press, London, 7-11 July 2007.

[Wang 07c]   J. Wang, N. Jing, J. Li, and Z. H. Chen. "A multi-objective imaging scheduling approach for earth observing satellites". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2211–2218, ACM Press, London, 7-11 July 2007.

[Watk 07]   C. J. C. H. Watkins. "The channel capacity of evolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 964–965, ACM Press, London, 7-11 July 2007.

[Wats 07]   R. A. Watson and T. Jansen. "A building-block royal road where crossover is provably essential". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1452–1459, ACM Press, London, 7-11 July 2007.

[Wedg 07]   D. C. Wedge, S. J. Gaskell, S. J. Hubbard, D. B. Kell, K. W. Lau, and C. Eyers. "Peptide detectability following ESI mass spectrometry: prediction using genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2219–2225, ACM Press, London, 7-11 July 2007.

[Wick 07]   W. R. M. U. K. Wickramasinghe, M. van Steen, and A. E. Eiben. "Peer-to-peer evolutionary algorithms with adaptive autonomous selection". In: D. Thierens, H.-G.

Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1460–1467, ACM Press, London, 7-11 July 2007.

[Wilk 07]   D. N. Wilke, S. Kok, and A. A. Groenwold. "Reference frame and scale invariant real-parameter genetic and differential evolution algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1538–1538, ACM Press, London, 7-11 July 2007.

[Wils 07]   G. Wilson and M. Heywood. "Learning recursive programs with cooperative coevolution of genetic code mapping and genotype". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1053–1061, ACM Press, London, 7-11 July 2007.

[Wind 07]   A. Windisch, S. Wappler, and J. Wegener. "Applying particle swarm optimization to software testing". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1121–1128, ACM Press, London, 7-11 July 2007.

[Wong 07]   P. L.-M. Wong and M. Zhang. "Numerical-node building block analysis of genetic programming with simplification". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1761–1761, ACM Press, London, 7-11 July 2007.

[Wool 07]   B. G. Woolley and G. L. Peterson. "Genetic evolution of hierarchical behavior structures". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1731–1738, ACM Press, London, 7-11 July 2007.

[Wozn 07]   P. Wozniak. "Dimensionality reduction in evolutionary multiobjective design: case study". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 913–915, ACM Press, London, 7-11 July 2007.

[Wu 07]   H. Wu and J. L. Shapiro. "Parameter cross-validation and early-stopping in univariate marginal distribution algorithm". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 632–633, ACM Press, London, 7-11 July 2007.

[Wyns 07a]   B. Wyns and L. Boullart. "Adaptive strategies for a semantically driven tree optimizer to control code growth". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark,

D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1762–1762, ACM Press, London, 7-11 July 2007.

[Wyns 07b]   B. Wyns, L. Boullart, and P. J. De Smedt. "Limiting code growth to improve robustness in tree-based genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1763–1763, ACM Press, London, 7-11 July 2007.

[Xie 07a]   H. Xie, M. Zhang, and P. Andreae. "An analysis of constructive crossover and selection pressure in genetic programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1739–1748, ACM Press, London, 7-11 July 2007.

[Xie 07b]   H. Xie, M. Zhang, and P. Andreae. "Another investigation on tournament selection: modelling and visualisation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1468–1475, ACM Press, London, 7-11 July 2007.

[Yan 07a]   W. Yan and C. D. Clack. "Diverse committees vote for dependable profits". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2226–2233, ACM Press, London, 7-11 July 2007.

[Yan 07b]   W. Yan and C. D. Clack. "Evolving robust GP solutions for hedge fund stock selection in emerging markets". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2234–2241, ACM Press, London, 7-11 July 2007.

[Yo 07]   T.-S. Yo and E. D. de Jong. "A comparison of evaluation methods in coevolution". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 479–487, ACM Press, London, 7-11 July 2007.

[Yoge 07]   O. Yogev and E. K. Antonsson. "Growth and development of continuous structures". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1064–1065, ACM Press, London, 7-11 July 2007.

[Yoon 07]   Y. Yoon, Y.-H. Kim, A. Moraglio, and B.-R. Moon. "Geometric crossovers for real-code representation". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark,

D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1539–1539, ACM Press, London, 7-11 July 2007.

[Yu 07a]   L. Yu, J. Zhou, S. Mabu, K. Hirasawa, J. Hu, and S. Markon. "Effects of passenger's arrival distribution to double-deck elevator group supervisory control systems using genetic network programming". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1476–1483, ACM Press, London, 7-11 July 2007.

[Yu 07b]   T.-L. Yu, K. Sastry, D. E. Goldberg, and M. Pelikan. "Population sizing for entropy-based model building in discrete estimation of distribution algorithms". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 601–608, ACM Press, London, 7-11 July 2007.

[Zeng 07]   Y. Zeng, J. C. H, and D. P. Buus. "SwarmArchitect: a swarm framework for collaborative construction". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 186–186, ACM Press, London, 7-11 July 2007.

[Zhan 07]   Y. Zhang, M. Harman, and S. A. Mansouri. "The multi-objective next release problem". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1129–1137, ACM Press, London, 7-11 July 2007.

[Zhou 07a]   A. Zhou, Q. Zhang, Y. Jin, B. Sendhoff, and E. Tsang. "Global multiobjective optimization via estimation of distribution algorithm with biased initialization and crossover". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 617–623, ACM Press, London, 7-11 July 2007.

[Zhou 07b]   S. Zhou and Z. Sun. "Matrix interpretation of generalized embedded landscape". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1540–1542, ACM Press, London, 7-11 July 2007.

[Zhou 07c]   S. Zhou, Z. Sun, and R. B. Heckendorn. "Extended probe method for linkage discovery over high-cardinality alphabets". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1484–1491, ACM Press, London, 7-11 July 2007.

[Zili 07]   A. Zilinskas and J. Zilinskas. "Parallel genetic algorithm: assessment of performance in multidimensional scaling". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A.

Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 1492–1501, ACM Press, London, 7-11 July 2007.

[Zinc 07]   L. Zinchenko, M. Radecker, and F. Bisogno. "Multi-objective univariate marginal distribution optimisation of mixed analogue-digital signal circuits". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 2242–2251, ACM Press, London, 7-11 July 2007.

[Zuo 07]   X. Zuo. "Robust scheduling method based on workflow simulation model and biological immune principle". In: D. Thierens, H.-G. Beyer, J. Bongard, J. Branke, J. A. Clark, D. Cliff, C. B. Congdon, K. Deb, B. Doerr, T. Kovacs, S. Kumar, J. F. Miller, J. Moore, F. Neumann, M. Pelikan, R. Poli, K. Sastry, K. O. Stanley, T. Stutzle, R. A. Watson, and I. Wegener, Eds., *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, pp. 187–187, ACM Press, London, 7-11 July 2007.