

Список литературы

- [Abido, 2007] Abido, M. A. (2007). "Two-level of nondominated solutions approach to multiobjective particle swarm optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 726–733, London. ACM Press.
- [Abraham et al., 2007] Abraham, A.; Das, S.; and Konar, A. (2007). "Kernel based automatic clustering using modified particle swarm optimization algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 2–9, London. ACM Press.
- [Achiche et al., 2007] Achiche, S.; Wang, W.; Fan, Z.; Ozkil, A.; Sorensen, T.; Wang, J.; and Goodman, E. (2007). "Genetically generated double-level fuzzy controller with a fuzzy adjustment strategy". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1880–1887, London. ACM Press.
- [Adra et al., 2007] Adra, S. F.; Griffin, I.; and Fleming, P. J. (2007). "An informed convergence accelerator for evolutionary multiobjective optimiser". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 734–740, London. ACM Press.
- [Agapitos et al., 2007] Agapitos, A.; Togelius, J.; and Lucas, S. M. (2007). "Evolving controllers for simulated car racing using object oriented genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1543–1550, London. ACM Press.
- [Aggarwal and O'Reilly, 2007] Aggarwal, V. and O'Reilly, U.-M. (2007). "COSMO: a correlation sensitive mutation operator for multi-objective optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 741–748, London. ACM Press.
- [Agogino and Tumer, 2007] Agogino, A. and Tumer, K. (2007). "Evolving distributed agents for managing air traffic". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1888–1895, London. ACM Press.
- [Aguirre et al., 2007] Aguirre, H.; Okazaki, H.; and Fuwa, Y. (2007). "An evolutionary multiobjective approach to design highly non-linear Boolean functions". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 749–756, London. ACM Press.

- [Ahn and Ramakrishna, 2007] Ahn, C. W. and Ramakrishna, R. S. (2007). "Multiobjective real-coded bayesian optimization algorithm revisited: diversity preservation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 593–600, London. ACM Press.
- [Alba and Chicano, 2007a] Alba, E. and Chicano, F. (2007a). "ACOhg: dealing with huge graphs". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 10–17, London. ACM Press.
- [Alba and Chicano, 2007b] Alba, E. and Chicano, F. (2007b). "Finding safety errors with ACO". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1066–1073, London. ACM Press.
- [Alharbi et al., 2007] Alharbi, A.; Rand, W.; and Riolo, R. (2007). "The defined cliffs variant in dynamic environments: a case study using the shaky ladder hyperplane-defined functions". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1158–1164, London. ACM Press.
- [Anabela Sim and Costa, 2007] Anabela Sim o. and Costa, E. (2007). "VMEA: studies on replacing strategies and diversity in dynamic environments". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1530–1530, London. ACM Press.
- [Anastasiadis et al., 2007] Anastasiadis, A. D.; Georgoulas, G.; Magoulas, G.; and Tzes, A. (2007). "Adaptive particle swarm optimizer with nonextensive schedule". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 168–168, London. ACM Press.
- [Ando, 2007] Ando, S. (2007). "Heuristic speciation for evolving neural network ensemble". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1766–1773, London. ACM Press.
- [Araujo and Merelo, 2007] Araujo, L. and Merelo, J. J. (2007). "A genetic algorithm for dynamic modelling and prediction of activity in document streams". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1896–1903, London. ACM Press.
- [Arnold, 2007] Arnold, D. V. (2007). "On the use of evolution strategies for optimising certain positive definite quadratic forms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff,

- D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 634–641, London. ACM Press.
- [Au and Leung, 2007] Au, C.-K. and Leung, H.-F. (2007). "Guided mutations in cooperative coevolutionary algorithms for function optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 488–488, London. ACM Press.
- [Auger and Teytaud, 2007] Auger, A. and Teytaud, O. (2007). "Continuous lunches are free!". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 916–922, London. ACM Press.
- [Ayari et al., 2007] Ayari, K.; Bouktif, S.; and Antoniol, G. (2007). "Automatic mutation test input data generation via ant colony". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1074–1081, London. ACM Press.
- [Azzini and Tettamanzi, 2007] Azzini, A. and Tettamanzi, A. G. B. (2007). "Automated trading on financial instruments with evolved neural networks". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2252–2252, London. ACM Press.
- [Bacardit et al., 2007] Bacardit, J.; Stout, M.; Hirst, J. D.; Sastry, K.; Llorà, X.; and Krasnogor, N. (2007). "Automated alphabet reduction method with evolutionary algorithms for protein structure prediction". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 346–353, London. ACM Press.
- [Baddeley and Philippides, 2007] Baddeley, B. and Philippides, A. (2007). "Bee SLAM: a probabilistic framework for studying orientation flights in bees and wasps". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 334–334, London. ACM Press.
- [Bader-El-Den and Poli, 2007] Bader-El-Den, M. B. and Poli, R. (2007). "A GP-based hyper-heuristic framework for evolving 3-SAT heuristics". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1749–1749, London. ACM Press.
- [Badran and Rockett, 2007] Badran, K. M. S. and Rockett, P. I. (2007). "The roles of diversity preservation and mutation in preventing population collapse in multiobjective genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli,

- R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1551–1558, London. ACM Press.
- [Baig and Rashid, 2007] Baig, A. R. and Rashid, M. (2007). "Honey bee foraging algorithm for multimodal & dynamic optimization problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 169–169, London. ACM Press.
- [Bailey and Raich, 2007] Bailey, B. W. and Raich, A. M. (2007). "Interactive multi-objective design of long-span trusses". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 902–902, London. ACM Press.
- [Banerjee and Kumar, 2007] Banerjee, N. and Kumar, R. (2007). "Multiobjective network design for realistic traffic models". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1904–1911, London. ACM Press.
- [Bazzoli et al., 2007] Bazzoli, A.; Colombo, G.; and Tettamanzi, A. G. B. (2007). "Ab initio protein structure prediction with a dipeptide-assembly evolutionary algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 424–424, London. ACM Press.
- [Becerra et al., 2007] Becerra, R. L.; Coello Coello, C. A.; Hernández-Díaz, A. G.; Caballero, R.; and Molina, J. (2007). "Alternative techniques to solve hard multi-objective optimization problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 757–754, London. ACM Press.
- [Becker et al., 2007] Becker, J.; Trendelenburg, S.; Henrici, F.; and Manoli, Y. (2007). "Synthesis of analog filters on an evolvable hardware platform using a genetic algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 190–197, London. ACM Press.
- [Bird and Li, 2007] Bird, S. and Li, X. (2007). "Informative performance metrics for dynamic optimisation problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 18–25, London. ACM Press.
- [Bleuler and Zitzler, 2007] Bleuler, S. and Zitzler, E. (2007). "Discrimination of metabolic flux profiles using a hybrid evolutionary algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.;

- Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 354–360, London. ACM Press.
- [Bolzani et al., 2007] Bolzani, L.; Sanchez, E.; Schillaci, M.; and Squillero, G. (2007). "Coupling EA and high-level metrics for the automatic generation of test blocks for peripheral cores". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1912–1919, London. ACM Press.
- [Bongard, 2007a] Bongard, J. (2007a). "Action-selection and crossover strategies for self-modeling machines". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 198–205, London. ACM Press.
- [Bongard, 2007b] Bongard, J. (2007b). "Exploiting multiple robots to accelerate self-modeling". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 214–221, London. ACM Press.
- [Borgulya, 2007] Borgulya, I. (2007). "An EC-memory based method for the multi-objective TSP". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 903–903, London. ACM Press.
- [Bosman et al., 2007] Bosman, P. A. N.; Grahl, J.; and Rothlauf, F. (2007). "SDR: a better trigger for adaptive variance scaling in normal EDAs". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 492–499, London. ACM Press.
- [Bosman and Poutré, 2007] Bosman, P. A. N. and Poutré, H. L. (2007). "Learning and anticipation in online dynamic optimization with evolutionary algorithms: the stochastic case". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1165–1172, London. ACM Press.
- [Bosman and Thierens, 2007] Bosman, P. A. N. and Thierens, D. (2007). "Adaptive variance scaling in continuous multi-objective estimation-of-distribution algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 500–507, London. ACM Press.
- [Boulif and Atif, 2007] Boulif, M. and Atif, K. (2007). "A fuzzy genetic algorithm for the dynamic cell formation problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.;

- Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1502–1502, London. ACM Press.
- [Branke et al., 2007] Branke, J.; Lode, C.; and Shapiro, J. L. (2007). "Addressing sampling errors and diversity loss in UMDA". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 508–515, London. ACM Press.
- [Brockhoff et al., 2007] Brockhoff, D.; Friedrich, T.; Hebbinghaus, N.; Klein, C.; Neumann, F.; and Zitzler, E. (2007). "Do additional objectives make a problem harder?". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 765–772, London. ACM Press.
- [Brodu, 2007] Brodu, N. (2007). "A framework for the emergence of intra-species mutual recognition patterns". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 336–336, London. ACM Press.
- [Brookes and Demeler, 2007] Brookes, E. H. and Demeler, B. (2007). "Parsimonious regularization using genetic algorithms applied to the analysis of analytical ultracentrifugation experiments". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 361–368, London. ACM Press.
- [Brown et al., 2007] Brown, G.; Kovacs, T.; and Marshall, J. A. R. (2007). "UCSpv: principled voting in UCS rule populations". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1774–1781, London. ACM Press.
- [Bryce and Colbourn, 2007] Bryce, R. C. and Colbourn, C. J. (2007). "One-test-at-a-time heuristic search for interaction test suites". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1082–1089, London. ACM Press.
- [Bucci and Pollack, 2007] Bucci, A. and Pollack, J. B. (2007). "Thoughts on solution concepts". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 434–439, London. ACM Press.
- [Bull and Uroukov, 2007] Bull, L. and Uroukov, I. S. (2007). "Initial results from the use of learning classifier systems to control in vitro neuronal networks". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.;

- Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 369–376, London. ACM Press.
- [Bullinaria, 2007] Bullinaria, J. A. (2007). "The effect of learning on life history evolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 222–229, London. ACM Press.
- [Burke et al., 2007] Burke, E. K.; Hyde, M. R.; Kendall, G.; and Woodward, J. (2007). "Automatic heuristic generation with genetic programming: evolving a jack-of-all-trades or a master of one". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1559–1565, London. ACM Press.
- [Cai et al., 2007a] Cai, X.; Welch, S. M.; Koduru, P.; and Das, S. (2007a). "Discovering structures in gene regulatory networks using genetic programming and particle swarms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1750–1750, London. ACM Press.
- [Cai et al., 2007b] Cai, Y.; Sun, X.; Xu, H.; and Jia, P. (2007b). "Cross entropy and adaptive variance scaling in continuous EDA". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 609–616, London. ACM Press.
- [Cattal and Oppacher, 2007] Cattal, R. and Oppacher, F. (2007). "Discovering rules in the poker hand dataset". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1870–1870, London. ACM Press.
- [Cayzer and Sullivan, 2007] Cayzer, S. and Sullivan, J. (2007). "Modelling danger and anergy in artificial immune systems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 26–32, London. ACM Press.
- [Cebrian et al., 2007] Cebrian, M.; Alfonseca, M.; and Ortega, A. (2007). "Automatic generation of benchmarks for plagiarism detection tools using grammatical evolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2253–2253, London. ACM Press.
- [Chan et al., 2007] Chan, T.-M.; Leung, K.-S.; and Lee, K.-H. (2007). "TFBS identification by position- and consensus-led genetic algorithm with local filtering". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.;

- Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 377–384, London. ACM Press.
- [Chavoya and Duthen, 2007] Chavoya, A. and Duthen, Y. (2007). "Use of a genetic algorithm to evolve an extended artificial regulatory network for cell pattern generation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1062–1062, London. ACM Press.
- [Chen and ping Chen, 2007a] Chen, C.-H. and ping Chen, Y. (2007a). "Real-coded ECGA for economic dispatch". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1920–1927, London. ACM Press.
- [Chen and ping Chen, 2007b] Chen, H.-W. and ping Chen, Y. (2007b). "Introducing fault tolerance to XCS". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1871–1871, London. ACM Press.
- [Chen, 2007] Chen, J.-H. (2007). "Simultaneous optimization of production planning and inspection planning for flexible manufacturing systems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1928–1935, London. ACM Press.
- [Chen et al., 2007a] Chen, Y.; Hu, J.; Hirasawa, K.; and Yu, S. (2007a). "GARS: an improved genetic algorithm with reserve selection for global optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1173–1178, London. ACM Press.
- [Chen et al., 2007b] Chen, Y.; Mabu, S.; Hirasawa, K.; and Hu, J. (2007b). "Trading rules on stock markets using genetic network programming with sarsa learning". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1503–1503, London. ACM Press.
- [Chiotis and Clack, 2007] Chiotis, T. and Clack, C. D. (2007). "Nonlinearity linkage detection for financial time series analysis". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1179–1186, London. ACM Press.
- [Chitty, 2007] Chitty, D. M. (2007). "A data parallel approach to genetic programming using programmable graphics hardware". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1566–1573, London. ACM Press.

- [Choo et al., 2007] Choo, C. S.; Chua, C. L.; and Tay, S.-H. V. (2007). "Automated red teaming: a proposed framework for military application". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1936–1942, London. ACM Press.
- [Christensen and Oppacher, 2007] Christensen, S. and Oppacher, F. (2007). "Solving the artificial ant on the Santa Fe trail problem in 20,696 fitness evaluations". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1574–1579, London. ACM Press.
- [Clegg et al., 2007a] Clegg, J.; Walker, J. A.; and Miller, J. F. (2007a). "A new crossover technique for Cartesian genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1580–1587, London. ACM Press.
- [Clegg et al., 2007b] Clegg, K.; Stepney, S.; and Clarke, T. (2007b). "Using feedback to regulate gene expression in a developmental control architecture". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 966–973, London. ACM Press.
- [Coffin and Smith, 2007] Coffin, D. J. and Smith, R. E. (2007). "Why is parity hard for estimation of distribution algorithms?". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 624–624, London. ACM Press.
- [Contreras, 2007] Contreras, E. B. (2007). "A biologically inspired solution for an evolved simulated agent". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 206–213, London. ACM Press.
- [Corne and Knowles, 2007] Corne, D. W. and Knowles, J. D. (2007). "Techniques for highly multiobjective optimisation: some nondominated points are better than others". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 773–780, London. ACM Press.
- [Correia and Fonseca, 2007] Correia, M. B. and Fonseca, C. M. (2007). "On the roles of redundancy and neutrality in evolutionary optimization: an experimental study". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1504–1504, London. ACM Press.
- [Costelloe and Ryan, 2007] Costelloe, D. and Ryan, C. (2007). "Towards models of user preferences in interactive musical evolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark,

- J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2254–2254, London. ACM Press.
- [Cummins and O’Riordan, 2007] Cummins, R. and O’Riordan, C. (2007). "Using genetic programming for information retrieval: local and global query expansion". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2255–2255, London. ACM Press.
- [Curran et al., 2007a] Curran, D.; O’Riordan, C.; and Sorensen, H. (2007a). "The effects of lifetime learning on the diversity and fitness of populations". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 337–337, London. ACM Press.
- [Curran et al., 2007b] Curran, D.; O’Riordan, C.; and Sorensen, H. (2007b). "Self-adaptation of cultural learning parameters". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 338–338, London. ACM Press.
- [D’Ambrosio and Stanley, 2007] D’Ambrosio, D. B. and Stanley, K. O. (2007). "A novel generative encoding for exploiting neural network sensor and output geometry". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 974–981, London. ACM Press.
- [Danoy et al., 2007] Danoy, G.; Alba, E.; Bouvry, P.; and Brust, M. (2007). "Optimal design of ad hoc injection networks by using genetic algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2256–2256, London. ACM Press.
- [de Abreu et al., 2007] de Abreu, B. T.; Martins, E.; and de Sousa, F. L. (2007). "Generalized extremal optimization: an attractive alternative for test data generation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1138–1138, London. ACM Press.
- [de Freitas and Mayer, 2007] de Freitas, A. A. and Mayer, C. B. (2007). "The effectiveness of dynamic ant colony tuning". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 170–170, London. ACM Press.
- [De Jong, 2007] De Jong, E. D. (2007). "Objective fitness correlation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley,

- K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 440–447, London. ACM Press.
- [de Lima et al., 2007] de Lima, T. W.; Faccioli, R. A.; Gabriel, P. H. R.; Delbem, A. C. B.; and Nunes da Silva, I. (2007). "Evolutionary approach to protein structure prediction with hydrophobic interactions". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 425–425, London. ACM Press.
- [de Melo et al., 2007] de Melo, V. V.; Delbem, A. C. B.; Dorival Leao Pinto, J.; and Federson, F. M. (2007). "Improving global numerical optimization using a search-space reduction algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1195–1202, London. ACM Press.
- [Deb and Kumar, 2007] Deb, K. and Kumar, A. (2007). "Interactive evolutionary multi-objective optimization and decision-making using reference direction method". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 781–788, London. ACM Press.
- [Deb et al., 2007] Deb, K.; Sindhya, K.; and Okabe, T. (2007). "Self-adaptive simulated binary crossover for real-parameter optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1187–1194, London. ACM Press.
- [DeHaas et al., 2007] DeHaas, D.; Craig, J.; Rickert, C.; Eppstein, M. J.; Haake, P.; and Stor, K. (2007). "Feature selection and classification in noisy epistatic problems using a hybrid evolutionary approach". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1872–1872, London. ACM Press.
- [Demir et al., 2007] Demir, G. N.; Uyar, A. S.; and Ögüdücü, S. G. (2007). "Graph-based sequence clustering through multiobjective evolutionary algorithms for web recommender systems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1943–1950, London. ACM Press.
- [Devert et al., 2007] Devert, A.; Bredeche, N.; and Schoenauer, M. (2007). "Robust multi-cellular developmental design". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 982–989, London. ACM Press.
- [Di Chio et al., 2007] Di Chio, C.; Poli, R.; and Di Chio, P. (2007). "EcoPS: a particle swarm algorithm to model group-foraging". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff,

- D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 230–237, London. ACM Press.
- [Di Penta et al., 2007] Di Penta, M.; Canfora, G.; Esposito, G.; Mazza, V.; and Bruno, M. (2007). "Search-based testing of service level agreements". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1090–1097, London. ACM Press.
- [Dignum and Poli, 2007] Dignum, S. and Poli, R. (2007). "Generalisation of the limiting distribution of program sizes in tree-based genetic programming and analysis of its effects on bloat". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1588–1595, London. ACM Press.
- [Diosan et al., 2007] Diosan, L.; Oltean, M.; Rogozan, A.; and Pecuchet, J. P. (2007). "Genetically designed multiple-kernels for improving the SVM performance". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1873–1873, London. ACM Press.
- [Divina and Aguilar-Ruiz, 2007] Divina, F. and Aguilar-Ruiz, J. S. (2007). "A multi-objective approach to discover biclusters in microarray data". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 385–392, London. ACM Press.
- [Doerr and Johannsen, 2007] Doerr, B. and Johannsen, D. (2007). "Adjacency list matchings: an ideal genotype for cycle covers". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1203–1210, London. ACM Press.
- [Doerr et al., 2007] Doerr, B.; Neumann, F.; Sudholt, D.; and Witt, C. (2007). "On the runtime analysis of the 1-ANT ACO algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 33–40, London. ACM Press.
- [Doherty and O’Riordan, 2007] Doherty, D. and O’Riordan, C. (2007). "A phenotypic analysis of GP-evolved team behaviours". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1951–1958, London. ACM Press.
- [Dong and Liang, 2007] Dong, H. and Liang, Y. (2007). "Genetic algorithms for large join query optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.;

- Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1211–1218, London. ACM Press.
- [Downing, 2007] Downing, K. L. (2007). "Supplementing evolutionary developmental systems with abstract models of neurogenesis". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 990–996, London. ACM Press.
- [Dragoni and Tettamanzi, 2007] Dragoni, M. and Tettamanzi, A. G. B. (2007). "Evolutionary algorithms for reasoning in fuzzy description logics with fuzzy quantifiers". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1967–1974, London. ACM Press.
- [Drugowitsch and Barry, 2007] Drugowitsch, J. and Barry, A. M. (2007). "Mixing independent classifiers". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1596–1603, London. ACM Press.
- [Drzadzewski and Wineberg, 2007] Drzadzewski, G. and Wineberg, M. (2007). "The effects of solution density in the search space on finding spatially robust solutions". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1505–1505, London. ACM Press.
- [Duke and Clack, 2007] Duke, J. and Clack, C. D. (2007). "Using an evolutionary agent-based simulation to explore hedging pressure in futures markets". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2257–2257, London. ACM Press.
- [Ebner, 2007] Ebner, M. (2007). "Estimating the spectral sensitivity of a digital sensor using calibration targets". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 642–649, London. ACM Press.
- [Eiben et al., 2007a] Eiben, A. E.; Schoenauer, M.; van Krevelen, D. W. F.; Hobbelman, M. C.; ten Hagen, M. A.; and van het Schip, R. C. (2007a). "Autonomous selection in evolutionary algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1506–1506, London. ACM Press.
- [Eiben et al., 2007b] Eiben, G.; Bekker, J.; Griffioen, R.; and Haasdijk, E. (2007b). "Balancing quality and quantity in evolving agent systems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.;

- Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 335–335, London. ACM Press.
- [Esparcia-Alcazar et al., 2007] Esparcia-Alcazar, A. I.; Lluch-Revert, L.; Cardos, M.; Sharman, K.; and Merelo, J. J. (2007). "Configuring an evolutionary tool for the inventory and transportation problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1975–1982, London. ACM Press.
- [Estévez and Lipson, 2007] Estévez, N. S. and Lipson, H. (2007). "Dynamical blueprints: exploiting levels of system-environment interaction". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 238–244, London. ACM Press.
- [Fan et al., 2007] Fan, K.; Brabazon, A.; O'Sullivan, C.; and O'Neill, M. (2007). "Option pricing model calibration using a real-valued quantum-inspired evolutionary algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1983–1990, London. ACM Press.
- [Fayek et al., 2007] Fayek, M. B. E.; Talaat, A. S.; and Darwish, N. M. (2007). "Generating classification trees for small disjuncts using incremental gas". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1507–1507, London. ACM Press.
- [Fernandes et al., 2007] Fernandes, C. M.; Rosa, A. C.; and Ramos, V. (2007). "Binary ant algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 41–48, London. ACM Press.
- [Fernando and Rowe, 2007] Fernando, C. T. and Rowe, J. (2007). "Hebbian learning in a simple gene circuit". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 426–426, London. ACM Press.
- [Ferreira et al., 2007] Ferreira, J. C.; Fonseca, C. M.; and Gaspar-Cunha, A. (2007). "Methodology to select solutions from the pareto-optimal set: a comparative study". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 789–796, London. ACM Press.
- [Figueredo et al., 2007] Figueredo, G. P.; Ebecken, N. F.; and Barbosa, H. C. (2007). "Suppression based immune mechanism to find arepresentative training set in data classification tasks". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.;

- Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 171–171, London. ACM Press.
- [Folino et al., 2007] Folino, G.; Pizzuti, C.; and Spezzano, G. (2007). "StreamGP: tracking evolving GP ensembles in distributed data streams using fractal dimension". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1751–1751, London. ACM Press.
- [Förster et al., 2007] Förster, M.; Bickel, B.; Hardung, B.; and Kókai, G. (2007). "Self-adaptive ant colony optimisation applied to function allocation in vehicle networks". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1991–1998, London. ACM Press.
- [Francone et al., 2007] Francone, F. D.; Deschaine, L. M.; and Warren, J. J. (2007). "Discrimination of munitions and explosives of concern at F.E. Warren AFB using linear genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1999–2006, London. ACM Press.
- [Friedrich et al., 2007a] Friedrich, T.; Hebbinghaus, N.; and Neumann, F. (2007a). "Rigorous analyses of simple diversity mechanisms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1219–1225, London. ACM Press.
- [Friedrich et al., 2007b] Friedrich, T.; Hebbinghaus, N.; Neumann, F.; He, J.; and Witt, C. (2007b). "Approximating covering problems by randomized search heuristics using multi-objective models". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 797–804, London. ACM Press.
- [Gagné et al., 2007] Gagné, C.; Sebag, M.; Schoenauer, M.; and Tomassini, M. (2007). "Ensemble learning for free with evolutionary algorithms?". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1782–1789, London. ACM Press.
- [Gajda and Sekanina, 2007] Gajda, Z. and Sekanina, L. (2007). "Reducing the number of transistors in digital circuits using gate-level evolutionary design". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 245–252, London. ACM Press.
- [Gallardo et al., 2007] Gallardo, J. E.; Cotta, C.; and Fernandez, A. J. (2007). "A memetic algorithm for the low autocorrelation binary sequence problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.;

- Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1226–1233, London. ACM Press.
- [Galvan-Lopez and Poli, 2007] Galvan-Lopez, E. and Poli, R. (2007). "How and why a bit-wise neutrality with and without locality affects evolutionary search". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1508–1508, London. ACM Press.
- [Galvan-Lopez et al., 2007] Galvan-Lopez, E.; Togelius, J.; and Lucas, S. (2007). "Towards understanding the effects of neutrality on the sudoku problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1509–1509, London. ACM Press.
- [Gandhe et al., 2007] Gandhe, A.; Yu, S.-H.; Mehra, R.; and Smith, R. E. (2007). "Fused, multi-spectral automatic target recognition with XCS". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1874–1874, London. ACM Press.
- [García-Nieto et al., 2007a] García-Nieto, J.; Alba, E.; and Chicano, F. (2007a). "Using metaheuristic algorithms remotely via ROS". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1510–1510, London. ACM Press.
- [García-Nieto et al., 2007b] García-Nieto, J.; Alba, E.; Jourdan, L.; and Talbi, E.-G. (2007b). "A comparison of PSO and GA approaches for gene selection and classification of microarray data". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 427–427, London. ACM Press.
- [Garibay and Wu, 2007] Garibay, O. O. and Wu, A. S. (2007). "Analyzing the effects of module encapsulation on search space bias". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1234–1241, London. ACM Press.
- [Gauci and Stanley, 2007] Gauci, J. and Stanley, K. (2007). "Generating large-scale neural networks through discovering geometric regularities". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 997–1004, London. ACM Press.
- [Geremia et al., 2007] Geremia, P.; Poian, M.; and Poles, S. (2007). "Genetic optimization for yacht design". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon,

- C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2007–2012, London. ACM Press.
- [Gog et al., 2007] Gog, A.; Dumitrescu, D.; and Hirsbrunner, B. (2007). "Collaborative evolutionary algorithms for combinatorial optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1511–1511, London. ACM Press.
- [Gomez and Fuentes, 2007] Gomez, J. C. and Fuentes, O. (2007). "Using evolution strategies for automatic extraction of parameters for stellar population synthesis of galaxy spectra from sdss". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 722–722, London. ACM Press.
- [Gong and Tuson, 2007a] Gong, T. and Tuson, A. L. (2007a). "Binary particle swarm optimization: a forma analysis approach". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 172–172, London. ACM Press.
- [Gong and Tuson, 2007b] Gong, T. and Tuson, A. L. (2007b). "Enhanced forma analysis of permutation problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 923–930, London. ACM Press.
- [Gonzales et al., 2007] Gonzales, E.; Shimada, K.; Mabu, S.; Hirasawa, K.; and Hu, J. (2007). "Genetic network programming with parallel processing for association rule mining in large and dense databases". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1512–1512, London. ACM Press.
- [Gonzalez and de Vega, 2007] Gonzalez, D. L. and de Vega, F. F. (2007). "Dynamic populations and length evolution: key factors for analyzing fault tolerance on parallel genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1752–1752, London. ACM Press.
- [Gotshall and Soule, 2007] Gotshall, S. P. and Soule, T. (2007). "Stochastic training of a biologically plausible spino-neuromuscular system model". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 253–260, London. ACM Press.
- [Graff et al., 2007] Graff, M.; Poli, R.; and Moraglio, A. (2007). "Linear selection". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.;

- Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1513–1513, London. ACM Press.
- [Graham et al., 2007] Graham, L. K.; Christensen, S.; and Oppacher, F. (2007). "A simple genetic algorithm for reducible complexity". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1514–1514, London. ACM Press.
- [Grahl et al., 2007] Grahl, J.; Bosman, P. A. N.; and Minner, S. (2007). "Convergence phases, variance trajectories, and runtime analysis of continuous EDAs". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 516–522, London. ACM Press.
- [Grajdeanu, 2007] Grajdeanu, A. (2007). "Methods for open-box analysis in artificial development". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1005–1012, London. ACM Press.
- [Greensmith and Aickelin, 2007] Greensmith, J. and Aickelin, U. (2007). "Dendritic cells for SYN scan detection". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 49–56, London. ACM Press.
- [Grimme et al., 2007] Grimme, C.; Lepping, J.; and Papaspyrou, A. (2007). "Exploring the behavior of building blocks for multi-objective variation operator design using predator-prey dynamics". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 805–812, London. ACM Press.
- [Gui et al., 2007] Gui, M.; Das, S.; and Pahwa, A. (2007). "Procreating V-detectors for nonself recognition: an application to anomaly detection in power systems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 261–268, London. ACM Press.
- [Haddow and Hoyer, 2007] Haddow, P. C. and Hoyer, J. (2007). "Achieving a simple development model for 3D shapes: are chemicals necessary?". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1013–1020, London. ACM Press.
- [Halavati et al., 2007a] Halavati, R.; Shouraki, S. B.; Heravi, M. J.; and Jashmi, B. J. (2007a). "An artificial immune system with partially specified antibodies". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.;

- Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 57–62, London. ACM Press.
- [Halavati et al., 2007b] Halavati, R.; Shouraki, S. B.; Jashmi, B. J.; and Heravi, M. J. (2007b). "Symbiotic tabu search". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1515–1515, London. ACM Press.
- [Halma and Turk, 2007] Halma, A. and Turk, R. (2007). "Adaptive markov recombination". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1516–1516, London. ACM Press.
- [Hamann and Ernst, 2007] Hamann, A. and Ernst, R. (2007). "Efficient priority optimization in complex distributed embedded systems through search space adaptation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1517–1517, London. ACM Press.
- [Hanada et al., 2007] Hanada, Y.; Hiroyasu, T.; and Miki, M. (2007). "Genetic multi-step search in interpolation and extrapolation domain". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1242–1249, London. ACM Press.
- [Hanna, 2007] Hanna, S. (2007). "Defining implicit objective functions for design problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2013–2020, London. ACM Press.
- [Harada et al., 2007] Harada, K.; Sakuma, J.; Kobayashi, S.; and Ono, I. (2007). "Uniform sampling of local pareto-optimal solution curves by pareto path following and its applications in multi-objective GA". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 813–820, London. ACM Press.
- [Harding et al., 2007] Harding, S. L.; Miller, J. F.; and Banzhaf, W. (2007). "Self-modifying cartesian genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1021–1028, London. ACM Press.
- [Harman and Tratt, 2007] Harman, M. and Tratt, L. (2007). "Pareto optimal search based refactoring at the design level". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors,

GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation, volume 1, pages 1106–1113, London. ACM Press.

- [Hauschild et al., 2007] Hauschild, M.; Pelikan, M.; Lima, C. F.; and Sastry, K. (2007). "Analyzing probabilistic models in hierarchical BOA on traps and spin glasses". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 523–530, London. ACM Press.
- [He and Zhou, 2007] He, J. and Zhou, Y. (2007). "A comparison of GAs using penalizing infeasible solutions and repairing infeasible solutions on restrictive capacity knapsack problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1518–1518, London. ACM Press.
- [Heien et al., 2007] Heien, E. M.; Hiroyasu, T.; and Fujimoto, N. (2007). "Investigation of mutation operators for the bayesian optimization algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 625–625, London. ACM Press.
- [Hengjie et al., 2007] Hengjie, S.; Chunyan, M.; and Zhiqi, S. (2007). "Fuzzy cognitive map learning based on multi-objective particle swarm optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 339–339, London. ACM Press.
- [Hidalgo et al., 2007] Hidalgo, J. I.; de Vega, F. F.; Lanchares, J.; and Lombrana, D. (2007). "Is the island model fault tolerant?". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1519–1519, London. ACM Press.
- [Hippolyte et al., 2007] Hippolyte, J.-L.; Bloch, C.; Chatonnay, P.; Espanet, C.; and Chamagne, D. (2007). "A self-adaptive multiagent evolutionary algorithm for electrical machine design". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1250–1255, London. ACM Press.
- [Hiroyasu et al., 2007] Hiroyasu, T.; Yoshii, K.; and Miki, M. (2007). "Discussion of parallel model of multi-objective genetic algorithms on heterogeneous computational resources". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 904–904, London. ACM Press.
- [Hirsch et al., 2007] Hirsch, L.; Hirsch, R.; and Saeedi, M. (2007). "Evolving Lucene search queries for text classification". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.;

- Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1604–1611, London. ACM Press.
- [Ho and Tay, 2007] Ho, N. B. and Tay, J. C. (2007). "Using evolutionary computation and local search to solve multi-objective flexible job shop problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 821–828, London. ACM Press.
- [Horn, 2007] Horn, J. (2007). "Optimal nesting of species for exact cover of resources: two against many". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 448–455, London. ACM Press.
- [Hoverstad, 2007] Hoverstad, B. A. (2007). "Revisiting the personal satellite assistant: neuroevolution with a modified enforced sub-populations algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2021–2028, London. ACM Press.
- [Hsieh et al., 2007] Hsieh, C.-T.; Chen, C.-M.; and ping Chen, Y. (2007). "Particle swarm guided evolution strategy". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 650–657, London. ACM Press.
- [Hung et al., 2007] Hung, P.-C.; ping Chen, Y.; and Zan, H. W. (2007). "Characteristic determination for solid state devices with evolutionary computation: a case study". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2029–2036, London. ACM Press.
- [Hwang et al., 2007] Hwang, I.; Kim, Y.-H.; and Moon, B.-R. (2007). "Overcoming barriers by a cluster-moving genetic algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1520–1520, London. ACM Press.
- [Iclanzan and Dumitrescu, 2007] Iclanzan, D. and Dumitrescu, D. (2007). "Overcoming hierarchical difficulty by hill-climbing the building block structure". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1256–1263, London. ACM Press.
- [Isaacs et al., 2007] Isaacs, J. C.; Foo, S.; and Meyer-Baese, A. (2007). "Evolutionary computation-based kernel optimal component analysis for pattern recognition". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual*

conference on Genetic and evolutionary computation, volume 2, pages 2258–2258, London. ACM Press.

- [Ishibuchi et al., 2007] Ishibuchi, H.; Nojima, Y.; Tsukamoto, N.; and Ohara, K. (2007). "Effects of the use of non-geometric binary crossover on evolutionary multiobjective optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 829–836, London. ACM Press.
- [Jackson, 2007] Jackson, D. (2007). "Hierarchical genetic programming based on test input subsets". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1612–1619, London. ACM Press.
- [Jansen and Theile, 2007] Jansen, T. and Theile, M. (2007). "Stability in the self-organized evolution of networks". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 931–938, London. ACM Press.
- [Jansen and Weyland, 2007] Jansen, T. and Weyland, D. (2007). "Analysis of evolutionary algorithms for the longest common subsequence problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 939–946, London. ACM Press.
- [Jaros et al., 2007] Jaros, J.; Ohlidal, M.; and Dvorak, V. (2007). "An evolutionary approach to collective communication scheduling". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2037–2044, London. ACM Press.
- [Jaskowski et al., 2007a] Jaskowski, W.; Krawiec, K.; and Wieloch, B. (2007a). "Genetic programming for cross-task knowledge sharing". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1620–1627, London. ACM Press.
- [Jaskowski et al., 2007b] Jaskowski, W.; Krawiec, K.; and Wieloch, B. (2007b). "Knowledge reuse in genetic programming applied to visual learning". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1790–1797, London. ACM Press.
- [Jenabi et al., 2007] Jenabi, M.; Torabi, S. A.; and Mansouri, S. A. (2007). "A hybrid GA for a supply chain production planning problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2045–2052, London. ACM Press.

- [Johnson, 2007] Johnson, C. G. (2007). "A genetic algorithm for coverage problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1521–1521, London. ACM Press.
- [Johnson et al., 2007] Johnson, M. D.; Tauritz, D. R.; and Wilkerson, R. W. (2007). "SNDL-MOEA: stored non-domination level MOEA". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 837–844, London. ACM Press.
- [Joost and Salomon, 2007] Joost, R. and Salomon, R. (2007). "High quality offset printing: an evolutionary approach". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2053–2058, London. ACM Press.
- [Jursa, 2007] Jursa, R. (2007). "Variable selection for wind power prediction using particle swarm optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2059–2065, London. ACM Press.
- [Kabli et al., 2007] Kabli, R.; Herrmann, F.; and McCall, J. (2007). "A chain-model genetic algorithm for Bayesian network structure learning". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1264–1271, London. ACM Press.
- [Kassahun et al., 2007] Kassahun, Y.; Edgington, M.; Metzen, J. H.; Sommer, G.; and Kirchner, F. (2007). "A common genetic encoding for both direct and indirect encodings of networks". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1029–1036, London. ACM Press.
- [Keedwell and Narayanan, 2007] Keedwell, E. and Narayanan, A. (2007). "Gene finding and rule discovery with a multi-objective neural-genetic hybrid". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 428–428, London. ACM Press.
- [Keller and Poli, 2007] Keller, R. E. and Poli, R. (2007). "Linear genetic programming of metaheuristics". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1753–1753, London. ACM Press.
- [Khan et al., 2007a] Khan, A. A.; Naeem, M.; and Shah, S. I. (2007a). "A particle swarm algorithm for symbols detection in wideband spatial multiplexing systems". In Thierens, D.; Beyer, H.-G.;

- Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 63–69, London. ACM Press.
- [Khan et al., 2007b] Khan, G. M.; Miller, J. F.; and Halliday, D. M. (2007b). "Coevolution of intelligent agents using cartesian genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 269–276, London. ACM Press.
- [Kharbat et al., 2007] Kharbat, F.; Bull, L.; and Odeh, M. (2007). "Mining breast cancer data with XCS". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2066–2073, London. ACM Press.
- [Khor, 2007] Khor, S. (2007). "Hill climbing on discrete HIFF: exploring the role of DNA transposition in long-term artificial evolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 277–284, London. ACM Press.
- [Kim, 2007] Kim, D. (2007). "A quantitative analysis of memory requirement and generalization performance for robotic tasks". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 285–292, London. ACM Press.
- [Kim et al., 2007] Kim, M.; Aggarwal, V.; O'Reilly, U.-M.; and Medard, M. (2007). "A doubly distributed genetic algorithm for network coding". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1272–1279, London. ACM Press.
- [Kimbrough and Wood, 2007] Kimbrough, S. O. and Wood, D. H. (2007). "On repair by binary interpolation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1522–1522, London. ACM Press.
- [Kiper et al., 2007] Kiper, J. D.; Feather, M. S.; and Richardson, J. (2007). "Optimizing the V&V process for critical systems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1139–1139, London. ACM Press.
- [Kirley and Stewart, 2007] Kirley, M. and Stewart, R. (2007). "An analysis of the effects of population structure on scalable multiobjective optimization problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 845–852, London. ACM Press.

- [Kleeman et al., 2007] Kleeman, M. P.; Lamont, G. B.; Hopkinson, K. M.; and Graham, S. R. (2007). "Multiobjective evolutionary algorithms for designing capacitated network centric communications". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 905–905, London. ACM Press.
- [Klein and Spector, 2007] Klein, J. and Spector, L. (2007). "Unwitting distributed genetic programming via asynchronous JavaScript and XML". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1628–1635, London. ACM Press.
- [Knight and Lunacek, 2007] Knight, J. N. and Lunacek, M. (2007). "Reducing the space-time complexity of the CMA-ES". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 658–665, London. ACM Press.
- [Knoester et al., 2007] Knoester, D. B.; McKinley, P. K.; and Ofria, C. A. (2007). "Using group selection to evolve leadership in populations of self-replicating digital organisms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 293–300, London. ACM Press.
- [Koduru et al., 2007a] Koduru, P.; Das, S.; and Welch, S. M. (2007a). "Multi-objective hybrid PSO using fuzzy dominance". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 853–860, London. ACM Press.
- [Koduru et al., 2007b] Koduru, P.; Welch, S. M.; and Das, S. (2007b). "A particle swarm optimization approach for estimating parameter confidence regions". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 70–77, London. ACM Press.
- [Kowaliw et al., 2007] Kowaliw, T.; Grogono, P.; and Kharm, N. (2007). "Environment as a spatial constraint on the growth of structural form". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1037–1044, London. ACM Press.
- [Kowall and Krent, 2007] Kowall, C. A. and Krent, B. J. (2007). "A simulation of evolved autotrophic reproduction". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 340–340, London. ACM Press.
- [Koza et al., 2007] Koza, J. R.; Al-Sakran, S. H.; Jones, L. W.; and Manassero, G. (2007). "Automated synthesis of a fixed-length loaded symmetric dipole antenna whose gain exceeds that of a commercial

- antenna and matches the theoretical maximum". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2074–2081, London. ACM Press.
- [Kramer et al., 2007a] Kramer, O.; Brügger, S.; and Lazovic, D. (2007a). "Sex and death: towards biologically inspired heuristics for constraint handling". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 666–673, London. ACM Press.
- [Kramer et al., 2007b] Kramer, O.; Gloger, B.; and Goebels, A. (2007b). "An experimental analysis of evolution strategies and particle swarm optimisers using design of experiments". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 674–681, London. ACM Press.
- [Kramer and Koch, 2007] Kramer, O. and Koch, P. (2007). "Self-adaptive partially mapped crossover". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1523–1523, London. ACM Press.
- [Küçükural et al., 2007] Küçükural, A.; Yeniterzi, R.; Yeniterzi, S.; and Sezerman, O. U. (2007). "Evolutionary selection of minimum number of features for classification of gene expression data using genetic algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 401–406, London. ACM Press.
- [Kumar and Singh, 2007] Kumar, R. and Singh, P. K. (2007). "On quality performance of heuristic and evolutionary algorithms for biobjective minimum spanning trees". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2259–2259, London. ACM Press.
- [Lai et al., 2007] Lai, C.-C.; Ting, C.-K.; and Ko, R.-S. (2007). "An effective genetic algorithm for improving wireless sensor network lifetime". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2260–2260, London. ACM Press.
- [Lakhotia et al., 2007] Lakhotia, K.; Harman, M.; and McMinn, P. (2007). "A multi-objective approach to search-based test data generation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1098–1105, London. ACM Press.
- [Lam et al., 2007] Lam, H. T.; Nicolaevna, P. N.; and Quan, N. T. M. (2007). "A heuristic particle swarm optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.;

- Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 174–174, London. ACM Press.
- [Lange and Mancoridis, 2007] Lange, R. C. and Mancoridis, S. (2007). "Using code metric histograms and genetic algorithms to perform author identification for software forensics". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2082–2089, London. ACM Press.
- [Lanzi et al., 2007] Lanzi, P. L.; Butz, M. V.; and Goldberg, D. E. (2007). "Empirical analysis of generalization and learning in XCS with gradient descent". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1814–1821, London. ACM Press.
- [Lanzi and Loiacono, 2007] Lanzi, P. L. and Loiacono, D. (2007). "Classifier systems that compute action mappings". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1822–1829, London. ACM Press.
- [Latham et al., 2007] Latham, W.; Shaw, M.; Todd, S.; and Leymarie, F. F. (2007). "Using DNA to generate 3D organic art forms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 429–429, London. ACM Press.
- [Lavagna, 2007] Lavagna, M. R. (2007). "Multi-objective pso for interplanetary trajectory design". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 175–175, London. ACM Press.
- [Lee et al., 2007] Lee, J.-W.; Choi, S.-S.; and Moon, B.-R. (2007). "An evolutionary keystroke authentication based on ellipsoidal hypothesis space". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2090–2097, London. ACM Press.
- [León et al., 2007] León, C.; Miranda, G.; and Segura, C. (2007). "Parallel skeleton for multi-objective optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 906–906, London. ACM Press.
- [Li et al., 2007a] Li, R.; Bhanu, B.; and Krawiec, K. (2007a). "Hybrid coevolutionary algorithms vs. SVM algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors,

GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation, volume 1, pages 456–463, London. ACM Press.

- [Li et al., 2007b] Li, R.; Bhanu, B.; and Krawiec, K. (2007b). "On the number of subpopulations in coevolutionary computation: a database application". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 489–489, London. ACM Press.
- [Li, 2007] Li, X. (2007). "A multimodal particle swarm optimizer based on fitness Euclidean-distance ratio". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 78–85, London. ACM Press.
- [Li et al., 2007c] Li, X.; Branke, J.; and Kirley, M. (2007c). "Performance measures and particle swarm methods for dynamic multi-objective optimization problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 907–907, London. ACM Press.
- [Li and Goodman, 2007] Li, Z. and Goodman, E. D. (2007). "Learning building block structure from crossover failure". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1280–1287, London. ACM Press.
- [Li and Rudolph, 2007] Li, Z. and Rudolph, G. (2007). "A framework of quantum-inspired multi-objective evolutionary algorithms and its convergence condition". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 908–908, London. ACM Press.
- [Liaskos et al., 2007] Liaskos, K.; Roper, M.; and Wood, M. (2007). "Investigating data-flow coverage of classes using evolutionary algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1140–1140, London. ACM Press.
- [Lichodziejewski and Heywood, 2007] Lichodziejewski, P. and Heywood, M. I. (2007). "Pareto-coevolutionary genetic programming for problem decomposition in multi-class classification". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 464–471, London. ACM Press.
- [Lim et al., 2007] Lim, D.; Ong, Y.-S.; Jin, Y.; and Sendhoff, B. (2007). "A study on metamodeling techniques, ensembles, and multi-surrogates in evolutionary computation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th*

- annual conference on Genetic and evolutionary computation*, volume 2, pages 1288–1295, London. ACM Press.
- [Lipinski, 2007] Lipinski, P. (2007). "ECGA vs. BOA in discovering stock market trading experts". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 531–538, London. ACM Press.
- [Liu et al., 2007] Liu, X.; Wang, L.; Zhu, X.; Bai, Z.; Zhang, M.; and Liu, H. (2007). "Fitness calculation approach for nested if-else construct in evolutionary testing". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1141–1141, London. ACM Press.
- [Llorà et al., 2007a] Llorà, X.; Reddy, R.; Matesic, B.; and Bhargava, R. (2007a). "Towards better than human capability in diagnosing prostate cancer using infrared spectroscopic imaging". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2098–2105, London. ACM Press.
- [Llorà et al., 2007b] Llorà, X.; Sastry, K.; Yu, T.-L.; and Goldberg, D. E. (2007b). "Do not match, inherit: fitness surrogates for genetics-based machine learning techniques". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1798–1805, London. ACM Press.
- [Lockett et al., 2007] Lockett, A. J.; Chen, C. L.; and Mikkilainen, R. (2007). "Evolving explicit opponent models in game playing". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2106–2113, London. ACM Press.
- [Loiacono et al., 2007] Loiacono, D.; Marelli, A.; and Lanzi, P. L. (2007). "Support vector regression for classifier prediction". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1806–1813, London. ACM Press.
- [Looks, 2007a] Looks, M. (2007a). "Meta-optimizing semantic evolutionary search". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 626–626, London. ACM Press.
- [Looks, 2007b] Looks, M. (2007b). "On the behavioral diversity of random programs". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1636–1642, London. ACM Press.

- [Looks, 2007c] Looks, M. (2007c). "Scalable estimation-of-distribution program evolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 539–546, London. ACM Press.
- [Looks et al., 2007a] Looks, M.; Goertzel, B.; de Souza Coelho, L.; Mudado, M.; and Pennachin, C. (2007a). "Clustering gene expression data via mining ensembles of classification rules evolved using mooses". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 407–414, London. ACM Press.
- [Looks et al., 2007b] Looks, M.; Goertzel, B.; de Souza Coelho, L.; Mudado, M.; and Pennachin, C. (2007b). "Understanding microarray data through applying competent program evolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 430–430, London. ACM Press.
- [Lourenço and Horta, 2007] Lourenço, N. C. and Horta, N. C. (2007). "Automatic analog IC layout generation based on a evolutionary computation approach". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2261–2261, London. ACM Press.
- [Luke et al., 2007] Luke, S.; Sharma, D.; and Balan, G. C. (2007). "Finding interesting things". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 86–93, London. ACM Press.
- [Luna et al., 2007] Luna, F.; Blum, C.; Alba, E.; and Nebro, A. J. (2007). "ACO vs EAs for solving a real-world frequency assignment problem in GSM networks". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 94–101, London. ACM Press.
- [Lung and Dumitrescu, 2007] Lung, R. I. and Dumitrescu, D. (2007). "A new evolutionary model for detecting multiple optima". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1296–1303, London. ACM Press.
- [Luthi et al., 2007] Luthi, L.; Tomassini, M.; Giacobini, M.; and Langdon, W. B. (2007). "The genetic programming collaboration network and its communities". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1643–1650, London. ACM Press.
- [Ma et al., 2007] Ma, I.; Wong, T.; and Sankar, T. (2007). "Volatility forecasting using time series data mining and evolutionary computation techniques". In Thierens, D.; Beyer, H.-G.; Bongard,

- J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2262–2262, London. ACM Press.
- [Mabu et al., 2007] Mabu, S.; Chen, Y.; Hirasawa, K.; and Hu, J. (2007). "Genetic network programming with actor-critic and its application to stock trading model". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2263–2263, London. ACM Press.
- [Majeed and Ryan, 2007a] Majeed, H. and Ryan, C. (2007a). "Context-aware mutation: a modular, context aware mutation operator for genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1651–1658, London. ACM Press.
- [Majeed and Ryan, 2007b] Majeed, H. and Ryan, C. (2007b). "On the constructiveness of context-aware crossover". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1659–1666, London. ACM Press.
- [Mansouri et al., 2007] Mansouri, S. A.; Hendizadeh, S. H.; and Salmasi, N. (2007). "Bicriteria two-machine flowshop scheduling using metaheuristics". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 909–909, London. ACM Press.
- [Manuel López-Ibá et al., 2007] Manuel López-Ibá n.; Prasad, T. D.; and Paechter, B. (2007). "Solving optimal pump control problem using max-min ant system". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 176–176, London. ACM Press.
- [Mariano et al., 2007] Mariano, C. E.; Alcocer, V. H.; and Morales, E. F. (2007). "Incremental refinement of solutions for multiple objective optimization problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 910–910, London. ACM Press.
- [Martí et al., 2007] Martí, L.; García, J.; Berlanga, A.; and Molina, J. M. (2007). "A cumulative evidential stopping criterion for multiobjective optimization evolutionary algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 911–911, London. ACM Press.
- [Matake et al., 2007] Matake, N.; Hiroyasu, T.; Miki, M.; and Senda, T. (2007). "Multiobjective clustering with automatic k-determination for large-scale data". In Thierens, D.; Beyer, H.-G.;

- Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 861–868, London. ACM Press.
- [Mattiussi et al., 2007] Mattiussi, C.; Dürr, P.; and Floreano, D. (2007). "Center of mass encoding: a self-adaptive representation with adjustable redundancy for real-valued parameters". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1304–1311, London. ACM Press.
- [Mazhar and Farooq, 2007] Mazhar, N. and Farooq, M. (2007). "Vulnerability analysis and security framework (BeeSec) for nature inspired MANET routing protocols". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 102–109, London. ACM Press.
- [Mbogho and Scarlatos, 2007] Mbogho, A. J. W. and Scarlatos, L. L. (2007). "Genetic parameter tuning for reliable segmentation of colored visual tags". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1525–1525, London. ACM Press.
- [McCormack, 2007] McCormack, J. (2007). "Artificial ecosystems for creative discovery". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 301–307, London. ACM Press.
- [McCubbin et al., 2007] McCubbin, C.; Scheidt, D.; Bandte, O.; Marshall, S.; and Trifonov, I. (2007). "Using genetic algorithms for naval subsystem damage assessment and design improvements". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2114–2121, London. ACM Press.
- [McNabb et al., 2007] McNabb, A. W.; Monson, C. K.; and Seppi, K. D. (2007). "MRPSO: MapReduce particle swarm optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 177–177, London. ACM Press.
- [Mehnen et al., 2007] Mehnen, J.; Roy, R.; Kersting, P.; and Wagner, T. (2007). "ICSPEA: evolutionary five-axis milling path optimisation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2122–2128, London. ACM Press.
- [Menolascina et al., 2007] Menolascina, F.; Alves, R. T.; Tommasi, S.; Chiarappa, P.; Delgado, M.; Mastronardi, G.; Paradiso, A.; Freitas, A.; and Bevilacqua, V. (2007). "Induction of fuzzy rules

- with artificial immune systems in acgh based er status breast cancer characterization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 431–431, London. ACM Press.
- [Merelo and Cotta, 2007] Merelo, J. J. and Cotta, C. (2007). "Who is the best connected EC researcher?". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1526–1526, London. ACM Press.
- [Mierswa, 2007] Mierswa, I. (2007). "Controlling overfitting with multi-objective support vector machines". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1830–1837, London. ACM Press.
- [Miki et al., 2007] Miki, M.; Hashimoto, M.; and Fujita, Y. (2007). "Program search with simulated annealing". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1754–1754, London. ACM Press.
- [Mills and Watson, 2007] Mills, R. and Watson, R. A. (2007). "Variable discrimination of crossover versus mutation using parameterized modular structure". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1312–1319, London. ACM Press.
- [Mitchell et al., 2007] Mitchell, G.; McMullin, B.; Decraene, J.; and Kelly, C. (2007). "Quality time tradeoff operator for designing efficient multi level genetic algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1527–1527, London. ACM Press.
- [Mohais et al., 2007] Mohais, A. S.; Mohais, R.; Ward, C.; and Posthoff, C. (2007). "Earthquake classifying neural networks trained with random dynamic neighborhood PSOs". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 110–117, London. ACM Press.
- [Moore et al., 2007] Moore, J. H.; Barney, N.; and White, B. C. (2007). "Towards human-human-computer interaction for biologically-inspired problem-solving in human genetics". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 432–433, London. ACM Press.

- [Moraglio and Togelius, 2007] Moraglio, A. and Togelius, J. (2007). "Geometric particle swarm optimization for the sudoku puzzle". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 118–125, London. ACM Press.
- [Mostaghim et al., 2007] Mostaghim, S.; Branke, J.; and Schmeck, H. (2007). "Multi-objective particle swarm optimization on computer grids". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 869–875, London. ACM Press.
- [Muntean et al., 2007] Muntean, O.; Diosan, L.; and Oltean, M. (2007). "Best SubTree genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1667–1673, London. ACM Press.
- [Murphy and Ryan, 2007] Murphy, G. and Ryan, C. (2007). "Seeding methods for run transferable libraries". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1755–1755, London. ACM Press.
- [Nannen and Eiben, 2007] Nannen, V. and Eiben, A. E. (2007). "Variance reduction in meta-EDA". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 627–627, London. ACM Press.
- [Nebro et al., 2007] Nebro, A. J.; Alba, E.; Molina, G.; Chicano, F.; Luna, F.; and Durillo, J. J. (2007). "Optimal antenna placement using a new multi-objective chc algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 876–883, London. ACM Press.
- [Nguyen et al., 2007] Nguyen, X. H.; Nguyen, Q. U.; and McKay, R. I. (2007). "PSO with randomized low-discrepancy sequences". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 173–173, London. ACM Press.
- [Nitschke et al., 2007] Nitschke, G. S.; Schut, M. C.; and Eiben, A. E. (2007). "Collective specialization in multi-rover systems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 342–342, London. ACM Press.
- [Odeh et al., 2007] Odeh, O.; Koduru, P.; Das, S.; Featherstone, A. M.; and Welch, S. M. (2007). "A multi-objective approach for the prediction of loan defaults". In Thierens, D.; Beyer, H.-G.; Bongard,

- J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2129–2136, London. ACM Press.
- [O’Keeffe and Cinneide, 2007] O’Keeffe, M. K. and Cinneide, M. O. (2007). "Getting the most from search-based refactoring". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1114–1120, London. ACM Press.
- [Oranchak, 2007] Oranchak, D. (2007). "Evolutionary synthesis of photographic artwork using human fitness function derived from web-based social networks". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2264–2264, London. ACM Press.
- [Orriols-Puig et al., 2007a] Orriols-Puig, A.; Goldberg, D. E.; Sastry, K.; and Bernadó-Mansilla, E. (2007a). "Modeling XCS in class imbalances: population size and parameter settings". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1838–1845, London. ACM Press.
- [Orriols-Puig et al., 2007b] Orriols-Puig, A.; Sastry, K.; Lanzi, P. L.; Goldberg, D. E.; and Bernadó-Mansilla, E. (2007b). "Modeling selection pressure in XCS for proportionate and tournament selection". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1846–1853, London. ACM Press.
- [Ottino-Löffler et al., 2007] Ottino-Löffler, J.; Rand, W.; and Wilensky, U. (2007). "A spatial model of the red queen effect". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 490–491, London. ACM Press.
- [Pan et al., 2007] Pan, Q.-Q.; Tasgetiren, M. F.; and Liang, Y.-C. (2007). "A discrete differential evolution algorithm for the permutation flowshop scheduling problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 126–133, London. ACM Press.
- [Paulden and Smith, 2007] Paulden, T. and Smith, D. K. (2007). "Some novel locality results for the blob code spanning tree representation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1320–1327, London. ACM Press.
- [Payne and Eppstein, 2007a] Payne, J. L. and Eppstein, M. J. (2007a). "Takeover times on scale-free topologies". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon,

- C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 308–315, London. ACM Press.
- [Payne and Eppstein, 2007b] Payne, J. L. and Eppstein, M. J. (2007b). "Why your mates shouldn't date". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1528–1528, London. ACM Press.
- [Pelikan and Hartmann, 2007] Pelikan, M. and Hartmann, A. K. (2007). "Obtaining ground states of ising spin glasses via optimizing bonds instead of spins". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 628–628, London. ACM Press.
- [Pelikan et al., 2007a] Pelikan, M.; Kalapala, R.; and Hartmann, A. K. (2007a). "Hybrid evolutionary algorithms on minimum vertex cover for random graphs". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 547–554, London. ACM Press.
- [Pelikan and Laury, Jr., 2007] Pelikan, M. and Laury, Jr., J. D. (2007). "Order or not: does parallelization of model building in hBOA affect its scalability?". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 555–561, London. ACM Press.
- [Pelikan et al., 2007b] Pelikan, M.; Tsutsui, S.; and Kalapala, R. (2007b). "Dependency trees, permutations, and quadratic assignment problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 629–629, London. ACM Press.
- [Pellegrini and Moretti, 2007] Pellegrini, P. and Moretti, E. (2007). "Quick-and-dirty ant colony optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 178–178, London. ACM Press.
- [Perez-Bellido et al., 2007] Perez-Bellido, A. M.; Salcedo-Sanz, S.; Ortiz-Garcia, E. G.; and Portilla-Figueras, A. (2007). "A hybrid evolutionary programming algorithm for spread spectrum radar polyphase codes design". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 682–688, London. ACM Press.
- [Peterson et al., 2007] Peterson, M. R.; Lamont, G. B.; Moore, F.; and Marshall, P. (2007). "Targeted filter evolution for improved image reconstruction resolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.;

- Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2137–2144, London. ACM Press.
- [Petrovic, 2007] Petrovic, P. (2007). "Strengths and weaknesses of FSA representation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 723–725, London. ACM Press.
- [Pfeiffer and Rothlauf, 2007] Pfeiffer, J. and Rothlauf, F. (2007). "Analysis of greedy heuristics and weight-coded eas for multidimensional knapsack problems and multi-unit combinatorial auctions". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1529–1529, London. ACM Press.
- [Philemotte and Bersini, 2007] Philemotte, C. and Bersini, H. (2007). "A gestalt genetic algorithm: less details for better search". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1328–1334, London. ACM Press.
- [Piccand et al., 2007] Piccand, S.; O'Neill, M.; and Walker, J. (2007). "Scalability of particle swarm algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 179–179, London. ACM Press.
- [Poli and Broomhead, 2007] Poli, R. and Broomhead, D. (2007). "Exact analysis of the sampling distribution for the canonical particle swarm optimiser and its convergence during stagnation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 134–141, London. ACM Press.
- [Poli and Langdon, 2007] Poli, R. and Langdon, W. B. (2007). "Markov chain models of bare-bones particle swarm optimizers". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 142–149, London. ACM Press.
- [Poli and Vanneschi, 2007] Poli, R. and Vanneschi, L. (2007). "Fitness-proportional negative slope coefficient as a hardness measure for genetic algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1335–1342, London. ACM Press.
- [Pošík and Franc, 2007] Pošík, P. and Franc, V. (2007). "Estimation of fitness landscape contours in EAs". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07:*

- [Powell and Hollingsworth, 2007] Powell, D. and Hollingsworth, J. (2007). "A NSGA-II, web-enabled, parallel optimization framework for NLP and MINLP". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2145–2150, London. ACM Press.
- [Powers and Watson, 2007] Powers, S. T. and Watson, R. A. (2007). "Preliminary investigations into the evolution of cooperative strategies in a minimally spatial model". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 343–343, London. ACM Press.
- [Priesterjahn and Weimer, 2007] Priesterjahn, S. and Weimer, A. (2007). "An evolutionary online adaptation method for modern computer games based on imitation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 344–345, London. ACM Press.
- [Prugel-Bennett, 2007] Prugel-Bennett, A. (2007). "Finding critical backbone structures with genetic algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1343–1348, London. ACM Press.
- [Qiu et al., 2007] Qiu, Q.; Burns, D.; Mukre, P.; and Wu, Q. (2007). "Hardware acceleration of multi-deme genetic algorithm for the application of DNA codeword searching". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1349–1356, London. ACM Press.
- [Quiroz et al., 2007] Quiroz, J. C.; Louis, S. J.; and Dascalu, S. M. (2007). "Interactive evolution of XUL user interfaces". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2151–2158, London. ACM Press.
- [Radi and El-Bakry, 2007] Radi, A. M. and El-Bakry, S. Y. (2007). "Genetic programming approach for positron collisions with alkali-metal atom". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1756–1756, London. ACM Press.
- [Ramirez and Hazan, 2007] Ramirez, R. and Hazan, A. (2007). "Inducing a generative expressive performance model using a sequential-covering genetic algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.;

- Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2159–2166, London. ACM Press.
- [Reichel and Skutella, 2007] Reichel, J. and Skutella, M. (2007). "Evolutionary algorithms and matroid optimization problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 947–954, London. ACM Press.
- [Reis and Fernandez Vega, 2007] Reis, G. and Fernandez Vega, F. (2007). "Electronic synthesis using genetic algorithms for automatic music transcription". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1959–1966, London. ACM Press.
- [Reisinger and Mikkilainen, 2007] Reisinger, J. and Mikkilainen, R. (2007). "Acquiring evolvability through adaptive representations". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1045–1052, London. ACM Press.
- [Ridge and Kudenko, 2007a] Ridge, E. and Kudenko, D. (2007a). "Analyzing heuristic performance with response surface models: prediction, optimization and robustness". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 150–157, London. ACM Press.
- [Ridge and Kudenko, 2007b] Ridge, E. and Kudenko, D. (2007b). "Screening the parameters affecting heuristic performance". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 180–180, London. ACM Press.
- [Rieffel et al., 2007] Rieffel, J.; Lipson, H.; and Valero-Cuevas, F. J. (2007). "Growing form-filling tensegrity structures using map L-systems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1063–1063, London. ACM Press.
- [Rimcharoen et al., 2007] Rimcharoen, S.; Sutivong, D.; and Chongstitvatana, P. (2007). "A synthesis of optimal stopping time in compact genetic algorithm based on real options approach". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 630–630, London. ACM Press.
- [Rocha et al., 2007] Rocha, M.; Mendes, R.; Maia, P.; Daniel Glez-Pe n.; and Fdez-Riverola, F. (2007). "A platform for the selection of genes in DNA microarraydata using evolutionary algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry,

- K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 415–423, London. ACM Press.
- [Rohlfshagen and Bullinaria, 2007a] Rohlfshagen, P. and Bullinaria, J. A. (2007a). "ExGA II: an improved exonic genetic algorithm for the multiple knapsack problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1357–1364, London. ACM Press.
- [Rohlfshagen and Bullinaria, 2007b] Rohlfshagen, P. and Bullinaria, J. A. (2007b). "A genetic algorithm with exon shuffling crossover for hard bin packing problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1365–1371, London. ACM Press.
- [Romero and Nino, 2007] Romero, A. and Nino, F. (2007). "Keyword extraction using an artificial immune system". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 181–181, London. ACM Press.
- [Rönkkönen and Lampinen, 2007] Rönkkönen, J. I. and Lampinen, J. (2007). "An extended mutation concept for the local selection based differential evolution algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 689–696, London. ACM Press.
- [Rossi et al., 2007] Rossi, C.; Barrientos, A.; and del Cerro, J. (2007). "Two adaptive mutation operators for optima tracking in dynamic optimization problems with evolution strategies". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 697–704, London. ACM Press.
- [Rotar et al., 2007] Rotar, C.; Dumitrescu, D.; and Lung, R. I. (2007). "Guided hyperplane evolutionary algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 884–891, London. ACM Press.
- [Sakuma and Kobayashi, 2007] Sakuma, J. and Kobayashi, S. (2007). "A genetic algorithm for privacy preserving combinatorial optimization". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1372–1379, London. ACM Press.
- [Salhi et al., 2007] Salhi, A.; Rodríguez, J. A. V.; and Zhang, Q. (2007). "An estimation of distribution algorithm with guided mutation for a complex flow shop scheduling problem". In Thierens, D.; Beyer,

- H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 570–576, London. ACM Press.
- [Sastry and Goldberg, 2007] Sastry, K. and Goldberg, D. E. (2007). "Let's get ready to rumble redux: crossover versus mutation head to head on exponentially scaled problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1380–1387, London. ACM Press.
- [Sastry et al., 2007a] Sastry, K.; Goldberg, D. E.; and Llorca, X. (2007a). "Towards billion-bit optimization via a parallel estimation of distribution algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 577–584, London. ACM Press.
- [Sastry et al., 2007b] Sastry, K.; Pelikan, M.; and Goldberg, D. E. (2007b). "Empirical analysis of ideal recombination on random decomposable problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1388–1395, London. ACM Press.
- [Sato et al., 2007] Sato, Y.; Yasuda, Y.; and Goto, R. (2007). "Analysis of noisy time-series signals with GA involving viral infection with tropism". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1396–1403, London. ACM Press.
- [Schmidt and Lipson, 2007a] Schmidt, M. and Lipson, H. (2007a). "Comparison of tree and graph encodings as function of problem complexity". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1674–1679, London. ACM Press.
- [Schmidt and Lipson, 2007b] Schmidt, M. D. and Lipson, H. (2007b). "Learning noise". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1680–1685, London. ACM Press.
- [Schonfeld, 2007] Schonfeld, J. (2007). "A study of mutational robustness as the product of evolutionary computation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1404–1411, London. ACM Press.
- [Schütze et al., 2007] Schütze, O.; Laumanns, M.; Tantar, E.; Coello Coello, C. A.; and ghazali Talbi, E. (2007). "Convergence of stochastic search algorithms to gap-free pareto front approximations". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.;

- Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 892–901, London. ACM Press.
- [Schwarz et al., 2007] Schwarz, J.; Jaros, J.; and Ocenasek, J. (2007). "Migration of probabilistic models for island-based bivariate EDA algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 631–631, London. ACM Press.
- [Sekaj et al., 2007] Sekaj, I.; Perkacz, J.; and Palenik, T. (2007). "Controller design based on genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2265–2265, London. ACM Press.
- [Shafiq et al., 2007] Shafiq, M. Z.; Kiani, M.; Hashmi, B.; and Farooq, M. (2007). "Extended thymus action for reducing false positives in ais based network intrusion detection systems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 182–182, London. ACM Press.
- [Shafti and Pérez, 2007] Shafti, L. S. and Pérez, E. (2007). "MDL-based fitness for feature construction". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1875–1875, London. ACM Press.
- [Shakya et al., 2007] Shakya, S.; Oliveira, F.; and Owusu, G. (2007). "An application of EDA and GA to dynamic pricing". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 585–592, London. ACM Press.
- [Shankar et al., 2007] Shankar, A.; Louis, S. J.; Dascalu, S.; Houmanfar, R.; and Hayes, L. J. (2007). "XCS for adaptive user-interfaces". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1876–1876, London. ACM Press.
- [Shir and Bäck, 2007a] Shir, O. M. and Bäck, T. (2007a). "Performance analysis of niching algorithms based on derandomized-ES variants". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 705–712, London. ACM Press.
- [Shir and Bäck, 2007b] Shir, O. M. and Bäck, T. (2007b). "The second harmonic generation case-study as a gateway for es to quantum control problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.;

- Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 713–721, London. ACM Press.
- [Shir et al., 2007] Shir, O. M.; Bäck, T.; and Vrakking, M. J. J. (2007). "On the scalability of evolution strategies in the optimization of dynamic molecular alignment". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2266–2266, London. ACM Press.
- [Shirakawa et al., 2007] Shirakawa, S.; Ogino, S.; and Nagao, T. (2007). "Graph structured program evolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1686–1693, London. ACM Press.
- [Smith, 2007] Smith, J. E. (2007). "Credit assignment in adaptive memetic algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1412–1419, London. ACM Press.
- [Smith and Bull, 2007] Smith, M. and Bull, L. (2007). "Improving the human readability of features constructed by genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1694–1701, London. ACM Press.
- [Smith and Jiang, 2007] Smith, R. E. and Jiang, M. K. (2007). "MILCS: a mutual information learning classifier system". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1877–1877, London. ACM Press.
- [Snyman and Kok, 2007] Snyman, J. A. and Kok, S. (2007). "A strongly interacting dynamic particle swarm optimizational method". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 183–183, London. ACM Press.
- [Solano and Jonyer, 2007] Solano, M. and Jonyer, I. (2007). "Towards an optimal restart strategy for genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1757–1757, London. ACM Press.
- [Sondahl and Rand, 2007] Sondahl, F. and Rand, W. (2007). "Evolution of non-uniform cellular automata using a genetic algorithm: diversity and computation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1531–1531, London. ACM Press.

- [Spector et al., 2007] Spector, L.; Klein, J.; and Feinstein, M. (2007). "Division blocks and the open-ended evolution of development, form, and behavior". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 316–323, London. ACM Press.
- [Stanoyevitch, 2007] Stanoyevitch, A. (2007). "Homogeneous genetic algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1532–1532, London. ACM Press.
- [Stewart and Kirley, 2007] Stewart, R. L. and Kirley, M. (2007). "Swarming with logic". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 184–184, London. ACM Press.
- [Stoean et al., 2007] Stoean, C. L.; Preuss, M.; Stoean, R.; and Dumitrescu, D. (2007). "Disburdening the species conservation evolutionary algorithm of arguing with radii". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1420–1427, London. ACM Press.
- [Stone et al., 2007] Stone, C.; Toth, R.; Adamatzky, A.; de Lacy Costello, B.; and Bull, L. (2007). "Towards the coevolution of cellular automata controllers for chemical computing with the B-Z reaction". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 472–478, London. ACM Press.
- [Sullivan and Ryan, 2007] Sullivan, J. and Ryan, C. (2007). "A destructive evolutionary process: a pilot implementation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2167–2173, London. ACM Press.
- [Sullivan and Luke, 2007] Sullivan, K. M. and Luke, S. (2007). "Evolving kernels for support vector machine classification". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1702–1707, London. ACM Press.
- [Sutton et al., 2007] Sutton, A. M.; Lunacek, M.; and Whitley, L. D. (2007). "Differential evolution and non-separability: using selective pressure to focus search". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1428–1435, London. ACM Press.
- [Swift et al., 2007] Swift, S.; Tucker, A.; Crampton, J.; and Garway-Heath, D. (2007). "An improved restricted growth function genetic algorithm for the consensus clustering of retinal nerve fibre data".

- In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2174–2181, London. ACM Press.
- [Taboada et al., 2007] Taboada, K.; Shimada, K.; Mabu, S.; Hirasawa, K.; and Hu, J. (2007). "Association rule mining for continuous attributes using genetic network programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1758–1758, London. ACM Press.
- [Tahera et al., 2007] Tahera, K.; Ibrahim, R. N.; and Lochert, P. B. (2007). "Adopting dynamic operators in a genetic algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1533–1533, London. ACM Press.
- [Tamee et al., 2007] Tamee, K.; Bull, L.; and Pinngern, O. (2007). "Towards clustering with XCS". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1854–1860, London. ACM Press.
- [Tasgetiren et al., 2007] Tasgetiren, M. F.; Suganthan, P. N.; and Pan, Q.-Q. (2007). "A discrete particle swarm optimization algorithm for the generalized traveling salesman problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 158–167, London. ACM Press.
- [Tengg et al., 2007] Tengg, A.; Klausner, A.; and Rinner, B. (2007). "An improved genetic algorithm for task allocation in distributed embedded systems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1534–1534, London. ACM Press.
- [Terashima-Marin et al., 2007] Terashima-Marin, H.; Zarate, C. J. F.; Ross, P.; and Valenzuela-Rendon, M. (2007). "Comparing two models to generate hyper-heuristics for the 2d-regular bin-packing problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2182–2189, London. ACM Press.
- [Teytaud and Gelly, 2007] Teytaud, O. and Gelly, S. (2007). "DCMA: yet another derandomization in covariance-matrix-adaptation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 955–963, London. ACM Press.
- [Thangavelu and Pradeep, 2007] Thangavelu, R. and Pradeep, S. (2007). "An online implementable differential evolution tuned optimal guidance law". In Thierens, D.; Beyer, H.-G.; Bongard, J.;

- Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2190–2194, London. ACM Press.
- [Thierens et al., 2007] Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors (2007). *GECCO 2007: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, London, UK. ACM Press.
- [Thomason and Soule, 2007] Thomason, R. and Soule, T. (2007). "Novel ways of improving cooperation and performance in ensemble classifiers". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1708–1715, London. ACM Press.
- [Tiago Leit et al., 2007] Tiago Leit a.; Pereira, F. B.; Tavares, J.; and Costa, E. (2007). "Niching techniques: a study on the cluster geometry optimization problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1524–1524, London. ACM Press.
- [Ting, 2007] Ting, C.-K. (2007). "Multi-parent extension of edge recombination". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1535–1535, London. ACM Press.
- [Togelius et al., 2007] Togelius, J.; De Nardi, R.; Marques, H.; Newcombe, R.; Lucas, S. M.; and Holland, O. (2007). "Nonlinear dynamics modelling for controller evolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 324–333, London. ACM Press.
- [Toledo-Suárez et al., 2007] Toledo-Suárez, C. D.; Valenzuela-Rendón, M.; Terashima-Marín, H.; and Uresti-Charre, E. (2007). "On the relativity in the assessment of blind optimization algorithms and the problem-algorithm coevolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1436–1443, London. ACM Press.
- [Torres et al., 2007] Torres, S. R. D.; Romero, D. C. B.; Vasquez, L. F. N.; and Ardila, Y. J. P. (2007). "A novel ab-initio genetic-based approach for protein folding prediction". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 393–400, London. ACM Press.
- [Tran et al., 2007] Tran, H. T.; Sanza, C.; Duthen, Y.; and Nguyen, T. D. (2007). "XCSF with computed continuous action". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark,

- J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1861–1869, London. ACM Press.
- [Tripp and Palmer, 2007] Tripp, H. and Palmer, P. (2007). "Distribution replacement: how survival of the worst can out perform survival of the fittest". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1444–1451, London. ACM Press.
- [Tucker et al., 2007] Tucker, A.; Swift, S.; and Crampton, J. (2007). "Efficiency updates for the restricted growth function GA for grouping problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1536–1536, London. ACM Press.
- [Tufail and Ormsbee, 2007] Tufail, M. and Ormsbee, L. E. (2007). "Genetic algorithms for water quality management in an urban watershed". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2267–2267, London. ACM Press.
- [Turner and Tiwari, 2007] Turner, C. J. and Tiwari, A. (2007). "An experimental evaluation of genetic process mining". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2268–2268, London. ACM Press.
- [Urquhart, 2007] Urquhart, N. B. (2007). "Carbon-friendly travel plan construction using an evolutionary algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2269–2269, London. ACM Press.
- [Vanneschi et al., 2007] Vanneschi, L.; Rochat, D.; and Tomassini, M. (2007). "Multi-optimization improves genetic programming generalization ability". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1759–1759, London. ACM Press.
- [Vieira and Fonseca, 2007] Vieira, C. C. and Fonseca, C. M. (2007). "A unified model of optimisation problems". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1537–1537, London. ACM Press.
- [Vrajitoru, 2007] Vrajitoru, D. (2007). "Hybrid multiobjective optimization genetic algorithms for graph drawing". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 912–912, London. ACM Press.

- [Wagner et al., 2007] Wagner, T.; Michelitsch, T.; and Sacharow, A. (2007). "On the design of optimisers for surface reconstruction". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2195–2202, London. ACM Press.
- [Walker and Miller, 2007] Walker, J. A. and Miller, J. F. (2007). "Solving real-valued optimisation problems using cartesian genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1724–1730, London. ACM Press.
- [Walker et al., 2007a] Walker, M.; Edwards, H.; and Messom, C. (2007a). "The reliability of confidence intervals for computational effort comparisons". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1716–1723, London. ACM Press.
- [Walker et al., 2007b] Walker, M.; Edwards, H.; and Messom, C. (2007b). "Success effort" for performance comparisons". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1760–1760, London. ACM Press.
- [Wang et al., 2007a] Wang, C.-W.; Sun, L.-M.; Jin, M.-H.; Fu, C.-J.; Liu, L.; Chan, C.-H.; and Kao, C.-Y. (2007a). "A genetic algorithm for resident physician scheduling problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2203–2210, London. ACM Press.
- [Wang et al., 2007b] Wang, J.; Jing, N.; Li, J.; and Chen, Z. H. (2007b). "A multi-objective imaging scheduling approach for earth observing satellites". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2211–2218, London. ACM Press.
- [Wang and Zhou, 2007] Wang, J. and Zhou, Y. (2007). "Hybrid quantum particle swarm optimization algorithm for combinatorial optimization problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 185–185, London. ACM Press.
- [Watkins, 2007] Watkins, C. J. C. H. (2007). "The channel capacity of evolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 964–965, London. ACM Press.
- [Watson and Jansen, 2007] Watson, R. A. and Jansen, T. (2007). "A building-block royal road where crossover is provably essential". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark,

- J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1452–1459, London. ACM Press.
- [Wedge et al., 2007] Wedge, D. C.; Gaskell, S. J.; Hubbard, S. J.; Kell, D. B.; Lau, K. W.; and Eysers, C. (2007). "Peptide detectability following ESI mass spectrometry: prediction using genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2219–2225, London. ACM Press.
- [Wickramasinghe et al., 2007] Wickramasinghe, W. R. M. U. K.; van Steen, M.; and Eiben, A. E. (2007). "Peer-to-peer evolutionary algorithms with adaptive autonomous selection". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1460–1467, London. ACM Press.
- [Wilke et al., 2007] Wilke, D. N.; Kok, S.; and Groenwold, A. A. (2007). "Reference frame and scale invariant real-parameter genetic and differential evolution algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1538–1538, London. ACM Press.
- [Wilson and Heywood, 2007] Wilson, G. and Heywood, M. (2007). "Learning recursive programs with cooperative coevolution of genetic code mapping and genotype". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1053–1061, London. ACM Press.
- [Windisch et al., 2007] Windisch, A.; Wappler, S.; and Wegener, J. (2007). "Applying particle swarm optimization to software testing". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1121–1128, London. ACM Press.
- [Wong and Zhang, 2007] Wong, P. L.-M. and Zhang, M. (2007). "Numerical-node building block analysis of genetic programming with simplification". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1761–1761, London. ACM Press.
- [Woolley and Peterson, 2007] Woolley, B. G. and Peterson, G. L. (2007). "Genetic evolution of hierarchical behavior structures". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1731–1738, London. ACM Press.
- [Wozniak, 2007] Wozniak, P. (2007). "Dimensionality reduction in evolutionary multiobjective design: case study". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon,

- C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 913–915, London. ACM Press.
- [Wu and Shapiro, 2007] Wu, H. and Shapiro, J. L. (2007). "Parameter cross-validation and early-stopping in univariate marginal distribution algorithm". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 632–633, London. ACM Press.
- [Wyns and Boullart, 2007] Wyns, B. and Boullart, L. (2007). "Adaptive strategies for a semantically driven tree optimizer to control code growth". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1762–1762, London. ACM Press.
- [Wyns et al., 2007] Wyns, B.; Boullart, L.; and De Smedt, P. J. (2007). "Limiting code growth to improve robustness in tree-based genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1763–1763, London. ACM Press.
- [Xie et al., 2007a] Xie, H.; Zhang, M.; and Andreae, P. (2007a). "An analysis of constructive crossover and selection pressure in genetic programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1739–1748, London. ACM Press.
- [Xie et al., 2007b] Xie, H.; Zhang, M.; and Andreae, P. (2007b). "Another investigation on tournament selection: modelling and visualisation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1468–1475, London. ACM Press.
- [Yan and Clack, 2007a] Yan, W. and Clack, C. D. (2007a). "Diverse committees vote for dependable profits". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2226–2233, London. ACM Press.
- [Yan and Clack, 2007b] Yan, W. and Clack, C. D. (2007b). "Evolving robust GP solutions for hedge fund stock selection in emerging markets". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2234–2241, London. ACM Press.
- [Yo and de Jong, 2007] Yo, T.-S. and de Jong, E. D. (2007). "A comparison of evaluation methods in coevolution". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 479–487, London. ACM Press.

- [Yogev and Antonsson, 2007] Yogev, O. and Antonsson, E. K. (2007). "Growth and development of continuous structures". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1064–1065, London. ACM Press.
- [Yoon et al., 2007] Yoon, Y.; Kim, Y.-H.; Moraglio, A.; and Moon, B.-R. (2007). "Geometric crossovers for real-code representation". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1539–1539, London. ACM Press.
- [Yu et al., 2007a] Yu, L.; Zhou, J.; Mabu, S.; Hirasawa, K.; Hu, J.; and Markon, S. (2007a). "Effects of passenger's arrival distribution to double-deck elevator group supervisory control systems using genetic network programming". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1476–1483, London. ACM Press.
- [Yu et al., 2007b] Yu, T.-L.; Sastry, K.; Goldberg, D. E.; and Pelikan, M. (2007b). "Population sizing for entropy-based model building in discrete estimation of distribution algorithms". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 601–608, London. ACM Press.
- [Zeng et al., 2007] Zeng, Y.; H, J. C.; and Buus, D. P. (2007). "SwarmArchitect: a swarm framework for collaborative construction". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 186–186, London. ACM Press.
- [Zhang et al., 2007] Zhang, Y.; Harman, M.; and Mansouri, S. A. (2007). "The multi-objective next release problem". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 1129–1137, London. ACM Press.
- [Zhou et al., 2007a] Zhou, A.; Zhang, Q.; Jin, Y.; Sendhoff, B.; and Tsang, E. (2007a). "Global multiobjective optimization via estimation of distribution algorithm with biased initialization and crossover". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 617–623, London. ACM Press.
- [Zhou and Sun, 2007] Zhou, S. and Sun, Z. (2007). "Matrix interpretation of generalized embedded landscape". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1540–1542, London. ACM Press.

- [Zhou et al., 2007b] Zhou, S.; Sun, Z.; and Heckendorn, R. B. (2007b). "Extended probe method for linkage discovery over high-cardinality alphabets". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1484–1491, London. ACM Press.
- [Zilinskas and Zilinskas, 2007] Zilinskas, A. and Zilinskas, J. (2007). "Parallel genetic algorithm: assessment of performance in multidimensional scaling". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 1492–1501, London. ACM Press.
- [Zinchenko et al., 2007] Zinchenko, L.; Radecker, M.; and Bisogno, F. (2007). "Multi-objective univariate marginal distribution optimisation of mixed analogue-digital signal circuits". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 2, pages 2242–2251, London. ACM Press.
- [Zuo, 2007] Zuo, X. (2007). "Robust scheduling method based on workflow simulation model and biological immune principle". In Thierens, D.; Beyer, H.-G.; Bongard, J.; Branke, J.; Clark, J. A.; Cliff, D.; Congdon, C. B.; Deb, K.; Doerr, B.; Kovacs, T.; Kumar, S.; Miller, J. F.; Moore, J.; Neumann, F.; Pelikan, M.; Poli, R.; Sastry, K.; Stanley, K. O.; Stutzle, T.; Watson, R. A.; and Wegener, I., editors, *GECCO '07: Proceedings of the 9th annual conference on Genetic and evolutionary computation*, volume 1, pages 187–187, London. ACM Press.