

Список литературы

- [1068011] Chandana Paul, Hod Lipson, and Francisco J. Valero Cuevas. Evolutionary form-finding of tensegrity structures. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 3–10, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p3.pdf>
- [1068012] Vinod Valsalam, James Bednar, and Risto Miikkulainen. Constructing good learners using evolved pattern generators. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 11–18, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p11.pdf>
- [1068013] Justin Schonfeld and Daniel Ashlock. A study of evolutionary robustness in stochastically tiled polyominoes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 19–26, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p19.pdf>
- [1068014] Ricardo Landa Becerra and Carlos A. Coello Coello. Optimization with constraints using a cultured differential evolution approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 27–34, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p27.pdf>
- [1068015] Matthias Scheutz and Paul Schermerhorn. Predicting population dynamics and evolutionary trajectories based on performance evaluations in alife simulations. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 35–42, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p35.pdf>
- [1068016] Keith L. Downing. The predictive basis of situated and embodied artificial intelligence. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian

Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 43–50, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p43.pdf>

- [1068017] Michelle McPartland, Stefano Nolfi, and Hussein A. Abbass. Emergence of communication in competitive multi-agent systems: a pareto multi-objective approach. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 51–58, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p51.pdf>

- [1068018] Daniel Ashlock and Eun-Youn Kim. The impact of cellular representation on finite state agents for prisoner’s dilemma. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 59–66, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p59.pdf>

- [1068019] Hong-Long Liang, Chungnan Lee, and Jain-Shing Wu. Multiplex pcr primer design for gene family using genetic algorithm. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 67–74, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p67.pdf>

- [1068020] A. E. Eiben, M. C. Schut, and T. Toma. Comparing multicast and newscast communication in evolving agent societies. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 75–81, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p75.pdf>

- [1068021] Timothy G. W. Gordon and Peter J. Bentley. Bias and scalability in evolutionary development. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005*

conference on Genetic and evolutionary computation, volume 1, pages 83–90, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p83.pdf>

- [1068022] Sean Luke. Evolutionary computation and the c-value paradox. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 91–97, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p91.pdf>

- [1068023] John Rieffel and Jordan Pollack. Automated assembly as situated development: using artificial ontogenies to evolve buildable 3-d objects. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 99–106, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p99.pdf>

- [1068024] R. Breukelaar and Th. Bäck. Using a genetic algorithm to evolve behavior in multi dimensional cellular automata: emergence of behavior. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 107–114, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p107.pdf>

- [1068025] Ehud Schlessinger, Peter J. Bentley, and R. Beau Lotto. Evolving visually guided agents in an ambiguous virtual world. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 115–120, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p115.pdf>

- [1068026] Renato Reder Cazangi, Fernando J. Von Zuben, and Maurício F. Figueiredo. Autonomous navigation system applied to collective robotics with ant-inspired communication. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 121–128, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p121.pdf>

- [1068027] Anthony Brabazon, Arlindo Silva, Tiago Ferra de Sousa, Michael O'Neill, Robin Matthews, and Ernesto Costa. Agent-based modelling of product invention. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 129–136, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p129.pdf>
- [1068028] Andrew Stout and Lee Spector. Validation of evolutionary activity metrics for long-term evolutionary dynamics. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 137–142, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p137.pdf>
- [1068030] Tadahiko Murata and Masatoshi Yamaguchi. Neighboring crossover to improve ga-based q-learning method for multi-legged robot control. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 145–146, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p145.pdf>
- [1068031] Gary Parker and Ramona Georgescu. Evolution of multi-loop controllers for fixed morphology with a cyclic genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 147–148, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p147.pdf>
- [1068032] Artur Matos, Reiji Suzuki, and Takaya Arita. Evolutionary models for maternal effects in simulated developmental systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 149–150, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p149.pdf>
- [1068034] Horst F. Wedde, Muddassar Farooq, Thorsten Pannenbaecker, Bjoern Vogel, Christian Mueller, Johannes Meth, and Rene Jeruschkat. Beedhoc: an energy efficient routing algorithm for mobile ad hoc networks inspired by bee behavior. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W.

Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 153–160, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p153.pdf>

- [1068035] Matthew Settles and Terence Soule. Breeding swarms: a ga/pso hybrid. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 161–168, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p161.pdf>

- [1068036] Riccardo Poli, Cecilia Di Chio, and William B. Langdon. Exploring extended particle swarms: a genetic programming approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 169–176, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p169.pdf>

- [1068037] Swagatam Das, Amit Konar, and Uday K. Chakraborty. Improving particle swarm optimization with differentially perturbed velocity. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 177–184, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p177.pdf>

- [1068038] Matthew Settles, Paul Nathan, and Terence Soule. Breeding swarms: a new approach to recurrent neural network training. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 185–192, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p185.pdf>

- [1068039] Christopher K. Monson and Kevin D. Seppi. Bayesian optimization models for particle swarms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 193–200, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p193.pdf>

- [1068040] James Kennedy. Dynamic-probabilistic particle swarms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 201–207, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p201.pdf>

- [1068041] Angel E. Muñoz Zavala, Arturo Hernández Aguirre, and Enrique R. Villa Diharce. Constrained optimization via particle evolutionary swarm optimization algorithm (peso). In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 209–216, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p209.pdf>

- [1068042] Vegard Hartmann. Evolving agent swarms for clustering and sorting. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 217–224, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p217.pdf>

- [1068043] Efrén Mezura-Montes, Jesús Velázquez-Reyes, and Carlos A. Coello Coello. Promising infeasibility and multiple offspring incorporated to differential evolution for constrained optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 225–232, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p225.pdf>

- [1068044] Mark Fleischer. Scale invariant pareto optimality: a meta-formalism for characterizing and modeling cooperativity in evolutionary systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 233–240, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p233.pdf>

- [1068045] Christopher K. Monson and Kevin D. Seppi. Exposing origin-seeking bias in pso. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum,

Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 241–248, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p241.pdf>

- [1068046] Wai Kuan Foong, Holger R. Maier, and Angus R. Simpson. Ant colony optimization for power plant maintenance scheduling optimization. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 249–256, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p249.pdf>

- [1068047] Carlo R. Raquel and Prospero C. Naval, Jr. An effective use of crowding distance in multiobjective particle swarm optimization. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 257–264, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p257.pdf>

- [1068049] Bo-Fu Liu, Hung-Ming Chen, Jian-Hung Chen, Shioh-Fen Hwang, and Shinn-Ying Ho. Meswarm: memetic particle swarm optimization. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 267–268, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p267.pdf>

- [1068050] Mohammed El-Abd and Mohamed Kamel. Factors governing the behavior of multiple cooperating swarms. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 269–270, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p269.pdf>

- [1068051] Thang N. Bui and Mufit Colpan. Solving geometric tsp with ants. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 271–272, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p271.pdf>

- [1068052] T. Schmickl, R. Thenius, and K. Crailsheim. Simulating swarm intelligence in honey bees: foraging in differently fluctuating environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 273–274, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p273.pdf>

- [1068053] R. Bello, A. Nowe, Y. Caballero, Y. Gómez, and P. Vrancx. A model based on ant colony system and rough set theory to feature selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 275–276, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p275.pdf>

- [1068054] Zhihua Cui and Jianchao Zeng. A modified particle swarm optimization predicted by velocity. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 277–278, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p277.pdf>

- [1068056] Zhou Ji and Dipankar Dasgupta. Estimating the detector coverage in a negative selection algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 281–288, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p281.pdf>

- [1068057] Fabricio Olivetti de França, Fernando J. Von Zuben, and Leandro Nunes de Castro. An artificial immune network for multimodal function optimization on dynamic environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 289–296, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p289.pdf>

- [1068058] Fabio A. González, Juan Carlos Galeano, Diego Alexander Rojas, and Angélica Veloza-Suan. Discriminating and visualizing anomalies using negative

selection and self-organizing maps. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 297–304, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p297.pdf>

- [1068059] Zaiyi Guo, Hann Kwang Han, and Joc Cing Tay. Sufficiency verification of hiv-1 pathogenesis based on multi-agent simulation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 305–312, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p305.pdf>

- [1068060] Peter Spellward and Tim Kovacs. On the contribution of gene libraries to artificial immune systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 313–319, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p313.pdf>

- [1068061] Thomas Stibor, Philipp Mohr, Jonathan Timmis, and Claudia Eckert. Is negative selection appropriate for anomaly detection? In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 321–328, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p321.pdf>

- [1068062] Jui-Yu Wu and Yun-Kung Chung. Artificial immune system for solving generalized geometric problems: a preliminary results. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 329–336, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p329.pdf>

- [1068063] Joseph M. Shapiro, Gary B. Lamont, and Gilbert L. Peterson. An evolutionary algorithm to generate hyper-ellipsoid detectors for negative selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO*

2005: *Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 337–344, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p337.pdf>

- [1068064] Xiaoshu Hang and Honghua Dai. Applying both positive and negative selection to supervised learning for anomaly detection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 345–352, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p345.pdf>

- [1068065] Ian Nunn and Tony White. The application of antigenic search techniques to time series forecasting. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 353–360, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p353.pdf>

- [1068066] Juan Carlos Galeano, Angélica Veloza-Suan, and Fabio A. González. A comparative analysis of artificial immune network models. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 361–368, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p361.pdf>

- [1068068] Helder Knidel, Leandro N. de Castro, and Fernando J. Von Zuben. Rabnet: a real-valued antibody network for data clustering. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 371–372, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p371.pdf>

- [1068069] Maoguo Gong, Licheng Jiao, Haifeng Du, Ronghua Shang, and Bin Lu. Performance assessment of an artificial immune system multiobjective optimizer by two improved metrics. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 373–374, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p373.pdf>

- [1068071] Joshua L. Payne and Margaret J. Eppstein. A hybrid genetic algorithm with pattern search for finding heavy atoms in protein crystals. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 377–384, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p377.pdf>
- [1068072] Thang N. Bui and Gnanasekaran Sundarraj. An efficient genetic algorithm for predicting protein tertiary structures in the 2d hp model. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 385–392, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p385.pdf>
- [1068073] Praveen Koduru, Sanjoy Das, Stephen Welch, Judith L. Roe, and Zenaida P. Lopez-Dee. A co-evolutionary hybrid algorithm for multi-objective optimization of gene regulatory network models. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 393–399, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p393.pdf>
- [1068074] Rolv Seehuus, Amund Tveit, and Ole Eidsberg. Discovering biological motifs with genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 401–408, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p401.pdf>
- [1068075] Gloria Childress Townsend, Wade N. Hazel, and Rick Smock. Using evolutionary computation methods to support analytical models for the evolution and maintenance of conditional strategies in *chthamalus anisopoma*. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 409–414, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p409.pdf>
- [1068076] Leon Poladian. A ga for maximum likelihood phylogenetic inference using neighbour-joining as a genotype to phenotype mapping. In Hans-Georg Beyer, Una-May O'Reilly,

Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 415–422, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p415.pdf>

- [1068077] Tim Hohm and Daniel Hoffmann. A multi-objective evolutionary approach to peptide structure redesign and stabilization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 423–429, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p423.pdf>

- [1068078] H. Resson, R. S. Varghese, D. Saha, E. Orvisky, L. Goldman, E. F. Petricoin, T. P. Conrads, T. D. Veenstra, M. Abdel-Hamid, C. A. Loffredo, and R. Goldman. Particle swarm optimization for analysis of mass spectral serum profiles. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 431–438, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p431.pdf>

- [1068079] Nasimul Noman and Hitoshi Iba. Inference of gene regulatory networks using s-system and differential evolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 439–446, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p439.pdf>

- [1068080] Dongsheng Che, Yinglei Song, and Khaled Rasheed. Mdga: motif discovery using a genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 447–452, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p447.pdf>

- [1068081] Topon Kumar Paul and Hitoshi Iba. Extraction of informative genes from microarray data. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson,

and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 453–460, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p453.pdf>

- [1068082] Hiram Firpi, Erik Goodman, and Javier Echauz. Epileptic seizure detection by means of genetically programmed artificial features. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 461–466, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p461.pdf>

- [1068084] Christian Spieth, Felix Streichert, Nora Speer, and Andreas Zell. Identifying valid solutions for the inference of regulatory networks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 469–470, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p469.pdf>

- [1068085] D. E. Cairns, G. J. Cameron, and T. J. Wess. Evolving an improved axial structure for fibrillar collagen. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 471–472, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p471.pdf>

- [1068086] Jesús S. Aguilar-Ruiz and Federico Divina. Ga-based approach to discover meaningful biclusters. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 473–474, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p473.pdf>

- [1068087] Feng-Mao Lin, Hsien-Da Huang, His-Yuan Huang, and Jorng-Tzong Horng. Primer design for multiplex pcr using a genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 475–476, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p475.pdf>

- [1068088] Pasut Seeluangsawat and Prabhas Chongstitvatana. A multiple objective evolutionary algorithm for multiple sequence alignment. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 477–478, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p477.pdf>
- [1068089] Kay C. Wiese, Andrew Hendriks, Alain Deschênes, and Belgacem Ben Youssef. The impact of pseudorandom number quality on p-rnapredict, a parallel genetic algorithm for rna secondary structure prediction. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 479–480, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p479.pdf>
- [1068091] Edwin de Jong. The maxsolve algorithm for coevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 483–489, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p483.pdf>
- [1068092] Faustino J. Gomez and Jürgen Schmidhuber. Co-evolving recurrent neurons learn deep memory pomdps. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 491–498, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p491.pdf>
- [1068093] Sevan G. Ficici. Monotonic solution concepts in coevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 499–506, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p499.pdf>
- [1068094] Elena Popovici and Kenneth De Jong. Understanding cooperative co-evolutionary dynamics via simple fitness landscapes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005:*

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p507.pdf>

- [1068095] Pablo Funes and Enrique Pujals. Intransitivity revisited coevolutionary dynamics of numbers games. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 515–521, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p515.pdf>

- [1068096] Nathan Williams and Melanie Mitchell. Investigating the success of spatial coevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 523–530, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p523.pdf>

- [1068097] Josh C. Bongard and Hod Lipson. 'managed challenge' alleviates disengagement in co-evolutionary system identification. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 531–538, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p531.pdf>

- [1068098] Anthony Bucci and Jordan B. Pollack. On identifying global optima in cooperative coevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 539–544, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p539.pdf>

- [1068099] Chien-Feng Huang and Luis M. Rocha. Tracking extrema in dynamic environments using a coevolutionary agent-based model of genotype edition. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 545–552, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p545.pdf>

- [1068101] Deborah Vakas Duong and John Grefenstette. The emulation of social institutions as a method of coevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 555–556, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p555.pdf>
- [1068102] Jeffrey Horn. Shape nesting by coevolving species. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 557–558, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p557.pdf>
- [1068103] Christophe Philemotte and Hugues Bersini. Intrinsic emergence boosts adaptive capacity. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 559–560, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p559.pdf>
- [1068105] Katharina A. Lehmann and Michael Kaufmann. Evolutionary algorithms for the self-organized evolution of networks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 563–570, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p563.pdf>
- [1068106] Christian Gunia. On the analysis of the approximation capability of simple evolutionary algorithms for scheduling problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 571–578, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p571.pdf>
- [1068107] Benjamin Skellett, Benjamin Cairns, Nicholas Geard, Bradley Tonkes, and Janet Wiles. Maximally rugged nk landscapes contain the highest peaks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO*

2005: *Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 579–584, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p579.pdf>

- [1068108] Bryant A. Julstrom. The blob code is competitive with edge-sets in genetic algorithms for the minimum routing cost spanning tree problem. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 585–590, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p585.pdf>

- [1068109] Kagan Tumer and Adrian Agogino. Coordinating multi-rover systems: evaluation functions for dynamic and noisy environments. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 591–598, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p591.pdf>

- [1068110] Anne Defaweux, Tom Lenaerts, Jano van Hemert, and Johan Parent. Transition models as an incremental approach for problem solving in evolutionary algorithms. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 599–606, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p599.pdf>

- [1068111] Bryant A. Julstrom. Greedy, genetic, and greedy genetic algorithms for the quadratic knapsack problem. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 607–614, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p607.pdf>

- [1068112] German Hernandez, Kenneth Wilder, Fernando Nino, and Julian Garcia. Towards a self-stopping evolutionary algorithm using coupling from the past. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 615–620, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p615.pdf>

- [1068113] Jing Tang, Meng Hiot Lim, Yew Soon Ong, and Meng Joo Er. Solving large scale combinatorial optimization using pma-sl. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 621–628, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p621.pdf>
- [1068114] Yourim Yoon, Yong-Hyuk Kim, and Byung-Ro Moon. An evolutionary lagrangian method for the 0/1 multiple knapsack problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 629–635, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p629.pdf>
- [1068115] H. Terashima-Maruyama, E. J. Flores-Javier, and P. Ross. Hyper-heuristics and classifier systems for solving 2d-regular cutting stock problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 637–643, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p637.pdf>
- [1068117] Lina Perelman and Avi Ostfeld. Water distribution systems optimal design using cross entropy. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 647–648, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p647.pdf>
- [1068118] István Borgulya. A hybrid evolutionary algorithm for the p-median problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 649–650, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p649.pdf>
- [1068119] Zong Woo Geem, Kang Seok Lee, and Chung-Li Tseng. Harmony search for structural design. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis,

Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 651–652, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p651.pdf>

- [1068121] Martin V. Butz, Martin Pelikan, Xavier Llorca, and David E. Goldberg. Extracted global structure makes local building block processing effective in xcs. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 655–662, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p655.pdf>

- [1068122] Martin Pelikan, Kumara Sastry, and David E. Goldberg. Multiobjective hboa, clustering, and scalability. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 663–670, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p663.pdf>

- [1068123] Kumara Sastry, Hussein A. Abbass, David E. Goldberg, and D. D. Johnson. Substructural niching in estimation of distribution algorithms. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 671–678, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p671.pdf>

- [1068124] Stefan Droste. Not all linear functions are equally difficult for the compact genetic algorithm. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 679–686, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p679.pdf>

- [1068125] Ivan Tanev. Learned mutation strategies in genetic programming for evolution and adaptation of simulated snakebot. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 687–694, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p687.pdf>

- [1068126] Alden H. Wright and Sandeep Pulavarty. On the convergence of an estimation of distribution algorithm based on linkage discovery and factorization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 695–702, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p695.pdf>

- [1068127] Jun Sakuma and Shigenobu Kobayashi. Real-coded crossover as a role of kernel density estimation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 703–710, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p703.pdf>

- [1068128] Shengxiang Yang. Population-based incremental learning with memory scheme for changing environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 711–718, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p711.pdf>

- [1068129] Bo Yuan and Marcus Gallagher. On the importance of diversity maintenance in estimation of distribution algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 719–726, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p719.pdf>

- [1068130] Siddhartha Shakya, John McCall, and Deryck Brown. Using a markov network model in a univariate eda: an empirical cost-benefit analysis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 727–734, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p727.pdf>

- [1068131] Cláudio F. Lima, Kumara Sastry, David E. Goldberg, and Fernando G. Lobo. Combining competent crossover and mutation operators: a probabilistic model building

approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 735–742, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p735.pdf>

- [1068133] Yi Hong, Qingsheng Ren, and Jin Zeng. Genetic drift in univariate marginal distribution algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 745–746, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p745.pdf>

- [1068134] Moshe Looks, Ben Goertzel, and Cassio Pennachin. Learning computer programs with the bayesian optimization algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 747–748, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p747.pdf>

- [1068135] Sergio Ivvan Valdez Peña, Salvador Botello Rionda, and Arturo Hernéandez Aguirre. Multiobjective shape optimization with constraints based on estimation distribution algorithms and correlated information. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 749–750, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p749.pdf>

- [1068136] Chien-Feng Huang, Stefan Bieniaowski, David H. Wolpert, and Charlie E. M. Strauss. A comparative study of probability collectives based multi-agent systems and genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 751–752, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p751.pdf>

- [1068138] Peter A. N. Bosman and Edwin D. de Jong. Exploiting gradient information in numerical multi-objective evolutionary optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod

Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 755–762, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p755.pdf>

- [1068139] Frank Neumann and Ingo Wegener. Minimum spanning trees made easier via multi-objective optimization. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 763–769, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p763.pdf>

- [1068140] Mian Li, Shapour Azarm, and Vikrant Aute. A multi-objective genetic algorithm for robust design optimization. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 771–778, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p771.pdf>

- [1068141] Lam T. Bui, Hussein A. Abbass, and Daryl Essam. Fitness inheritance for noisy evolutionary multi-objective optimization. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 779–785, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p779.pdf>

- [1068142] Hisao Ishibuchi and Kaname Narukawa. Comparison of evolutionary multiobjective optimization with reference solution-based single-objective approach. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 787–794, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p787.pdf>

- [1068143] Yang Zhang and Peter I. Rockett. Evolving optimal feature extraction using multi-objective genetic programming: a methodology and preliminary study on edge detection. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 795–802, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p795.pdf>

- [1068144] Mary E. Kurz and Sarah Canterbury. Minimizing total flowtime and maximum earliness on a single machine using multiple measures of fitness. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 803–809, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p803.pdf>

- [1068145] Kai Xu, Sushil J. Louis, and Roberto C. Mancini. A scalable parallel genetic algorithm for x-ray spectroscopic analysis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 811–816, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p811.pdf>

- [1068146] Hisao Ishibuchi, Kaname Narukawa, and Yusuke Nojima. An empirical study on the handling of overlapping solutions in evolutionary multiobjective optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 817–824, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p817.pdf>

- [1068148] Karlheinz Schmitt, Jörn Mehnen, and Thomas Michelitsch. Using predators and preys in evolution strategies. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 827–828, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p827.pdf>

- [1068149] Shinya Watanabe and Kazutoshi Sakakibara. The effectiveness of multiobjective optimizer in single-objective optimization environment. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 829–830, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p829.pdf>

- [1068151] Tobias Storch. On the impact of objective function transformations on evolutionary and black-box algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold,

Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 833–840, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p833.pdf>

- [1068152] Thomas Jansen and Ulf Schellbach. Theoretical analysis of a mutation-based evolutionary algorithm for a tracking problem in the lattice. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 841–848, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p841.pdf>

- [1068153] Jens Jägersküpper and Carsten Witt. Rigorous runtime analysis of a (μ+1)es for the sphere function. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 849–856, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p849.pdf>

- [1068154] Anne Auger, Marc Schoenauer, and Olivier Teytaud. Local and global order 3/2 convergence of a surrogate evolutionary algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 857–864, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p857.pdf>

- [1068155] Mike Preuss, Lutz Schönemann, and Michael Emmerich. Counteracting genetic drift and disruptive recombination in (μ+1)es on multimodal fitness landscapes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 865–872, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p865.pdf>

- [1068156] Xiaodong Li. Efficient differential evolution using speciation for multimodal function optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the*

2005 conference on Genetic and evolutionary computation, volume 1, pages 873–880, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p873.pdf>

- [1068157] Junhong Liu and Jouni Lampinen. A differential evolution based incremental training method for rbf networks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 881–888, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p881.pdf>

- [1068158] Pei Yee Ho and Kazuyuki Shimizu. Simple addition of ranking method for constrained optimization in evolutionary algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 889–896, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p889.pdf>

- [1068159] Michael Nashvili, Markus Olhofer, and Bernhard Sendhoff. Morphing methods in evolutionary design optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 897–904, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p897.pdf>

- [1068160] Tanasane Phientrakul and Boonserm Kijsirikul. Evolutionary strategies for multi-scale radial basis function kernels in support vector machines. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 905–911, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p905.pdf>

- [1068162] Ofer M. Shir and Thomas Bäck. Niching in evolution strategies. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 915–916, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p915.pdf>

- [1068163] Oliver Kramer, Chuan-Kang Ting, and Hans Kleine Bolding. A mutation operator for evolution strategies to handle constrained problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 917–918, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p917.pdf>
- [1068164] Karlheinz Schmitt. Using gene deletion and gene duplication in evolution strategies. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 919–920, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p919.pdf>
- [1068165] Sadiq M. Sait, Syed Sanaullah, Ali Mustafa Zaidi, and Mustafa I. Ali. Comparative evaluation of parallelization strategies for evolutionary and stochastic heuristics. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 921–922, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p921.pdf>
- [1068166] Lutz Schenemann. Optimal number of evolution strategies mutation step sizes in dynamic environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 923–924, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p923.pdf>
- [1068168] Didier Keymeulen, Wolfgang Fink, Michael I. Ferguson, Chris Peay, Boris Oks, Richard Terrile, and Karl Yee. Evolutionary computation applied to the tuning of mems gyroscopes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 927–932, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p927.pdf>
- [1068169] Saranyan A. Vighram, John C. Gallagher, and Sanjay K. Boddhu. Evolving analog controllers for correcting thermoacoustic instability in real hardware. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W.

Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 933–940, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p933.pdf>

- [1068170] Lucian Prodan, Mihai Udrescu, and Mircea Vladutiu. Multiple-level concatenated coding in embryonics: a dependability analysis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 941–948, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p941.pdf>

- [1068171] Malay K. Pakhira and Rajat K. De. A hardware pipeline for function optimization using genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 949–956, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p949.pdf>

- [1068172] Rusty Hunt, Gregory S. Hornby, and Jason D. Lohn. Toward evolved flight. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 957–964, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p957.pdf>

- [1068174] Nasimul Noman and Hitoshi Iba. Enhancing differential evolution performance with local search for high dimensional function optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 967–974, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p967.pdf>

- [1068175] John F. McLoughlin, III and Walter Cedeño. The enhanced evolutionary tabu search and its application to the quadratic assignment problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and*

evolutionary computation, volume 1, pages 975–982, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p975.pdf>

- [1068176] David Quintana, Cristóbal Luque, and Pedro Isasi. Evolutionary rule-based system for ipo underpricing prediction. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 983–989, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p983.pdf>

- [1068177] Swagatam Das, Amit Konar, and Uday K. Chakraborty. Two improved differential evolution schemes for faster global search. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 991–998, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p991.pdf>

- [1068178] Abraham Duarte, Angel Sánchez, Felipe Fernández, and Raquel Cabido. A low-level hybridization between memetic algorithm and vns for the max-cut problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 999–1006, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p999.pdf>

- [1068180] Salem F. Adra, Ian Griffin, and Peter J. Fleming. Hybrid multiobjective genetic algorithm with a new adaptive local search process. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1009–1010, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1009.pdf>

- [1068182] Phil McMinn and Mike Holcombe. Evolutionary testing of state-based programs. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1013–1020, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1013.pdf>

- [1068183] Lionel C. Briand, Yvan Labiche, and Marwa Shousha. Stress testing real-time systems with genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1021–1028, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1021.pdf>
- [1068184] Mark Harman, Stephen Swift, and Kiarash Mahdavi. An empirical study of the robustness of two module clustering fitness functions. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1029–1036, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1029.pdf>
- [1068185] Concettina Del Grosso, Giuliano Antoniol, Massimiliano Di Penta, Philippe Galinier, and Ettore Merlo. Improving network applications security: a new heuristic to generate stress testing data. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1037–1043, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1037.pdf>
- [1068186] Olaf Seng, Markus Bauer, Matthias Biehl, and Gert Pache. Search-based improvement of subsystem decompositions. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1045–1051, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1045.pdf>
- [1068187] Stefan Wappler and Frank Lammermann. Using evolutionary algorithms for the unit testing of object-oriented software. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1053–1060, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1053.pdf>
- [1068188] Yuan Zhan and John A. Clark. Search-based mutation testing for simulink models. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin

Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1061–1068, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1061.pdf>

- [1068189] Gerardo Canfora, Massimiliano Di Penta, Raffaele Esposito, and Maria Luisa Villani. An approach for qos-aware service composition based on genetic algorithms. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1069–1075, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1069.pdf>

- [1068191] Andrew Sutton, Huzefa Kagdi, Jonathan I. Maletic, and L. Gwenn Volkert. Hybridizing evolutionary algorithms and clustering algorithms to find source-code clones. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1079–1080, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1079.pdf>

- [1068192] Karnig Derderian, Robert M. Hierons, Mark Harman, and Qiang Guo. Generating feasible input sequences for extended finite state machines (efsms) using genetic algorithms. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1081–1082, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1081.pdf>

- [1068193] Frank Lammermann and Stefan Wappler. Benefits of software measures for evolutionary white-box testing. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1083–1084, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1083.pdf>

- [1068194] Joseph Haas, Maxim Peysakhov, and Spiros Mancoridis. Ga-based parameter tuning for multi-agent systems. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the*

2005 conference on Genetic and evolutionary computation, volume 1, pages 1085–1086, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1085.pdf>

- [1068196] Shengxiang Yang. Memory-based immigrants for genetic algorithms in dynamic environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1115–1122, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1115.pdf>

- [1068197] Enrique Alba, Hugo Alfonso, and Bernabé Dorronsoro. Advanced models of cellular genetic algorithms evaluated on sat. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1123–1130, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1123.pdf>

- [1068198] Artem Sokolov and Darrell Whitley. Unbiased tournament selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1131–1138, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1131.pdf>

- [1068199] Raúl Girdes and Jesús S. Aguilar-Ruiz. Feature influence for evolutionary learning. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1139–1145, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1139.pdf>

- [1068200] U. Chandimal de Silva and Joe Suzuki. On the stationary distribution of gas with fixed crossover probability. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1147–1151, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1147.pdf>

- [1068201] Nicholas Freitag McPhee and Ellery Fussell Crane. A theoretical analysis of the hiff problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1153–1160, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1153.pdf>
- [1068202] Dirk Sudholt. Crossover is provably essential for the ising model on trees. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1161–1167, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1161.pdf>
- [1068203] Dong-Il Seo and Byung-Ro Moon. Computing the epistasis variance of large-scale traveling salesman problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1169–1176, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1169.pdf>
- [1068204] Ivan Garibay, Annie S. Wu, and Ozlem Garibay. On favoring positive correlations between form and quality of candidate solutions via the emergence of genomic self-similarity. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1177–1184, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1177.pdf>
- [1068205] Chongshan Zhang and Khaled Rasheed. Improving ga search reliability using maximal hyper-rectangle analysis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1185–1192, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1185.pdf>
- [1068206] Helio J.C. Barbosa and Afonso C.C. Lemonge. A genetic algorithm encoding for a class of cardinality constraints. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier

Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1193–1200, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1193.pdf>

- [1068207] Edwin D. de Jong, Richard A. Watson, and Dirk Thierens. On the complexity of hierarchical problem solving. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1201–1208, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1201.pdf>

- [1068208] Monte Lunacek, Darrell Whitley, and James N. Knight. Measuring mobility and the performance of global search algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1209–1216, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1209.pdf>

- [1068209] Tian-Li Yu, Kumara Sastry, and David E. Goldberg. Linkage learning, overlapping building blocks, and systematic strategy for scalable recombination. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1217–1224, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1217.pdf>

- [1068210] Shimon Whiteson, Peter Stone, Kenneth O. Stanley, Risto Miikkulainen, and Nate Kohl. Automatic feature selection in neuroevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1225–1232, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1225.pdf>

- [1068211] J. Neal Richter, John Paxton, and Alden Wright. Ea models and population fixed-points versus mutation rates for functions of unitation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1233–1240, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1233.pdf>

- [1068212] Sung-Soon Choi, Kyomin Jung, and Jeong Han Kim. Phase transition in a random nk landscape model. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1241–1248, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1241.pdf>

- [1068213] Hal Stringer and Annie S. Wu. Behavior of finite population variable length genetic algorithms under random selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1249–1255, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1249.pdf>

- [1068214] Sima Uyar and Gülşen Eryiğit. Improvements to penalty-based evolutionary algorithms for the multi-dimensional knapsack problem using a gene-based adaptive mutation approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1257–1264, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1257.pdf>

- [1068215] Lee Graham, Hassan Masum, and Franz Oppacher. Statistical analysis of heuristics for evolving sorting networks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1265–1270, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1265.pdf>

- [1068216] Shane Legg and Marcus Hutter. Fitness uniform deletion: a simple way to preserve diversity. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1271–1278, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1271.pdf>

- [1068217] Abdullah Konak and Alice E. Smith. Designing resilient networks using a hybrid genetic algorithm approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold,

Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1279–1285, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1279.pdf>

- [1068218] Borenstein Yossi and Riccardo Poli. Information landscapes and the analysis of search algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1287–1294, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1287.pdf>

- [1068219] Zbigniew Skolicki and Kenneth De Jong. The influence of migration sizes and intervals on island models. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1295–1302, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1295.pdf>

- [1068220] M. T. Iglesias, B. Naudts, A. Verschoren, and C. Vidal. Walsh transforms, balanced sum theorems and partition coefficients over multary alphabets. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1303–1308, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1303.pdf>

- [1068221] Adrian Agogino, Kagan Tumer, and Risto Miikkulainen. Efficient credit assignment through evaluation function decomposition. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1309–1316, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1309.pdf>

- [1068222] Ayse Selen Yilmaz and Annie S. Wu. Preservation of genetic redundancy in the existence of developmental error and fitness assignment error. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1317–1324, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1317.pdf>

- [1068223] Kai Wing Tang and Ray A. Jarvis. From supervised ranking to evolving behaviours of a robotic team. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1325–1332, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1325.pdf>

- [1068224] Mario Giacobini, Marco Tomassini, and Andrea Tettamanzi. Takeover time curves in random and small-world structured populations. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1333–1340, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1333.pdf>

- [1068225] Shuhei Kimura and Koki Matsumura. Genetic algorithms using low-discrepancy sequences. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1341–1346, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1341.pdf>

- [1068226] Jun Sakuma and Shigenobu Kobayashi. Latent variable crossover for k-tablet structures and its application to lens design problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1347–1354, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1347.pdf>

- [1068227] Alexei V. Samsonovich and Kenneth A. De Jong. Pricing the 'free lunch' of meta-evolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1355–1362, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1355.pdf>

- [1068228] Xavier Llorca, Kumara Sastry, David E. Goldberg, Abhimanyu Gupta, and Lalitha Lakshmi. Combating user fatigue in igas: partial ordering, support vector machines, and synthetic fitness. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold,

Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1363–1370, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1363.pdf>

- [1068229] Jeffrey K. Bassett, Mitchell A. Potter, and Kenneth A. De Jong. Applying price's equation to survival selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1371–1378, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1371.pdf>

- [1068230] David Pardoe, Michael Ryoo, and Risto Miikkulainen. Evolving neural network ensembles for control problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1379–1384, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1379.pdf>

- [1068231] Carlos Kavka, Patricia Roggero, and Marc Schoenauer. Evolution of voronoi based fuzzy recurrent controllers. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1385–1392, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1385.pdf>

- [1068232] Yong-Hyuk Kim and Byung-Ro Moon. New topologies for genetic search space. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1393–1399, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1393.pdf>

- [1068233] William A. Greene. Schema disruption in tree-structured chromosomes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1401–1408, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1401.pdf>

- [1068234] Lixin Ding and Jinghu Yu. Some theoretical results about the computation time of evolutionary algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1409–1415, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1409.pdf>

- [1068235] Shin Ando, Jun Sakuma, and Shigenobu Kobayashi. Adaptive isolation model using data clustering for multimodal function optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1417–1424, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1417.pdf>

- [1068236] Yossi Borenstein and Riccardo Poli. Information landscapes and problem hardness. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1425–1431, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1425.pdf>

- [1068237] Jürgen Branke, Erdem Salihoğlü, and Şima Uyar. Towards an analysis of dynamic environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1433–1440, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1433.pdf>

- [1068238] Nan Guofang, Li Minqiang, and Kou Jisong. Multi-level genetic algorithm (mlga) for the construction of clock binary tree. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1441–1445, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1441.pdf>

- [1068239] Yiyuan Gong, Morikazu Nakamura, and Shiro Tamaki. Parallel genetic algorithms on line topology of heterogeneous computing resources. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick

Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1447–1454, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1447.pdf>

- [1068240] Jian-Hung Chen, Shinn-Ying Ho, and David E. Goldberg. Quality-time analysis of multi-objective evolutionary algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1455–1462, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1455.pdf>

- [1068241] Teong Joo Ong, Ryan Saunders, John Keyser, and John J. Leggett. Terrain generation using genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1463–1470, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1463.pdf>

- [1068242] Chen hsiung Chan, Sheng-An Lee, Cheng-Yan Kao, and Huai-Kuang Tsai. Improving eax with restricted 2-opt. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1471–1476, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1471.pdf>

- [1068243] Serkan Yilmaz, Kostadin Ivanov, and Samuel Levine. Application of genetic algorithm to optimize burnable poison placement in pressurized water reactors. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1477–1483, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1477.pdf>

- [1068244] Naoki Mori, Masayuki Takeda, and Keinosuke Matsumoto. A comparison study between genetic algorithms and bayesian optimize algorithms by novel indices. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and*

evolutionary computation, volume 2, pages 1485–1492, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1485.pdf>

- [1068245] William Rand and Rick Riolo. The problem with a self-adaptative mutation rate in some environments: a case study using the shaky ladder hyperplane-defined functions. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1493–1500, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1493.pdf>

- [1068246] Zhao hua Yang, Jian cheng Fang, and Zhen qiang Qi. Flight midcourse guidance control based on genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1501–1506, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1501.pdf>

- [1068247] Jacob G. Martin. Subproblem optimization by gene correlation with singular value decomposition. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1507–1514, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1507.pdf>

- [1068248] Yossi Borenstein and Riccardo Poli. Information landscapes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1515–1522, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1515.pdf>

- [1068249] Matthew A. Russell and Gary B. Lamont. A genetic algorithm for unmanned aerial vehicle routing. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1523–1530, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1523.pdf>

- [1068250] Heni Ben Amor and Achim Rettinger. Intelligent exploration for genetic algorithms: using self-organizing maps in evolutionary computation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1531–1538, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1531.pdf>
- [1068251] Dirk Thierens. An adaptive pursuit strategy for allocating operator probabilities. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1539–1546, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1539.pdf>
- [1068253] Michael R. Peterson, Travis E. Doom, and Michael L. Raymer. Ga-facilitated classifier optimization with varying similarity measures. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1549–1550, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1549.pdf>
- [1068254] Michelle Lyman and Gary Lewandowski. Genetic programming for association rules on card sorting data. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1551–1552, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1551.pdf>
- [1068255] Anna Paszynska. An extension of vose's markov chain model for genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1553–1554, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1553.pdf>
- [1068256] Zhi-Gang Wang, M. Rahman, and Yoke-San Wong. Multi-niche crowding in the development of parallel genetic simulated annealing. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence

Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1555–1556, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1555.pdf>

- [1068257] Lam T. Bui, Jürgen Branke, and Hussein A. Abbass. Diversity as a selection pressure in dynamic environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1557–1558, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1557.pdf>

- [1068258] Jose Antonio Martin H. Search space modulation in genetic algorithms: evolving the search space by sinusoidal transformations. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1559–1560, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1559.pdf>

- [1068259] Kei Ohnishi and Kaori Yoshida. Evolutionary change in developmental timing. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1561–1562, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1561.pdf>

- [1068260] Dana Vrajitoru and Jason DeBonis. Hybrid real-coded mutation for genetic algorithms applied to graph layouts. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1563–1564, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1563.pdf>

- [1068261] David M. Cherba, William Punch, Phil Duxbury, Simon Billinge, and Pavol Juhas. Conformation of an ideal bucky ball molecule by genetic algorithm and geometric constraint from pair distance data: genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1565–1566, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1565.pdf>

- [1068262] Surapong Auwatanamongkol. Inexact pattern matching using genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1567–1568, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1567.pdf>
- [1068263] Lin Cong, Yuheng Sha, Licheng Jiao, and Fang Liu. Directional self-learning of genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1569–1570, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1569.pdf>
- [1068264] Cecilia Reis, J. A. Tenreiro Machado, and J. Boaventura Cunha. Fractional dynamic fitness functions for ga-based circuit design. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1571–1572, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1571.pdf>
- [1068265] Shin Ando and Shigenobu Kobayashi. Fitness-based neighbor selection for multimodal function optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1573–1574, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1573.pdf>
- [1068266] Johan Berntsson and Maolin Tang. Adaptive sizing of populations and number of islands in distributed genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1575–1576, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1575.pdf>
- [1068267] Jun Zhang, Henry S. H. Chung, and Jinghui Zhong. Adaptive crossover and mutation in genetic algorithms based on clustering technique. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence

Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1577–1578, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1577.pdf>

- [1068268] Johan Berntsson and Maolin Tang. Dynamic optimization of migration topology in internet-based distributed genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1579–1580, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1579.pdf>

- [1068269] Jung-Hwan Kim, Sung-Soon Choi, and Byung-Ro Moon. Normalization for neural network in genetic search. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1581–1582, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1581.pdf>

- [1068270] Chang Wook Ahn, Sanghoun Oh, and R. S. Ramakrishna. On the practical genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1583–1584, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1583.pdf>

- [1068271] Sadiq M. Sait, Mohammed Faheemuddin, Mahmood R. Minhas, and Syed Sanaullah. Multiobjective vlsi cell placement using distributed genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1585–1586, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1585.pdf>

- [1068272] Edgardo Ferretti and Susana Esquivel. Knowledge insertion: an efficient approach to reduce effort in simple genetic algorithms for unrestricted parallel equal machines scheduling. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1587–1588, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1587.pdf>

- [1068273] Artem Sokolov, Darrell Whitley, and Monte Lunacek. Alternative implementations of the griewangk function. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1589–1590, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1589.pdf>

- [1068274] Pedro A. Diaz-Gomez and Dean F. Hougen. Analysis and mathematical justification of a fitness function used in an intrusion detection system. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1591–1592, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1591.pdf>

- [1068275] Pio Fenton and Paul Walsh. A comparison of messy ga and permutation based ga for job shop scheduling. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1593–1594, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1593.pdf>

- [1068276] Michael Affenzeller, Stefan Wagner, and Stephan Winkler. Goal-oriented preservation of essential genetic information by offspring selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1595–1596, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1595.pdf>

- [1068277] Agustín LeBaranco, Sandra E. Barajas, and Carlos A. Reyes. Argento + arepo: mixing the artificial genetic engineering and artificial evolution of populations to improve the search process. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1597–1598, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1597.pdf>

- [1068278] Frank W. Moore. A genetic algorithm for optimized reconstruction of quantized one-dimensional signals. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold,

Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1599–1600, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1599.pdf>

- [1068279] Stephen Chen and Gregory Pitt. Isolating the benefits of respect. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1601–1602, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1601.pdf>

- [1068281] Jason Stevens, Robert B. Heckendorn, and Terry Soule. Exploiting disruption aversion to control code bloat. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1605–1612, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1605.pdf>

- [1068282] M. Collins. Finding needles in haystacks is harder with neutrality. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1613–1618, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1613.pdf>

- [1068283] Jianjun Hu, Xiwei Zhong, and Erik D. Goodman. Open-ended robust design of analog filters using genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1619–1626, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1619.pdf>

- [1068284] Jason M. Daida. Towards identifying populations that increase the likelihood of success in genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1627–1634, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1627.pdf>

- [1068285] Christian W. G. Lasarczyk and Wolfgang Banzhaf. Total synthesis of algorithmic chemistries. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1635–1640, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1635.pdf>

- [1068286] Emily M. Zechman and S. Ranji Ranjithan. Multipopulation cooperative coevolutionary programming (mccp) to enhance design innovation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1641–1648, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1641.pdf>

- [1068287] James Alfred Walker and Julian Francis Miller. Investigating the performance of module acquisition in cartesian genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1649–1656, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1649.pdf>

- [1068288] Paul Massey, John A. Clark, and Susan Stepney. Evolution of a human-competitive quantum fourier transform algorithm using genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1657–1663, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1657.pdf>

- [1068289] Ian Dempsey, Michael O'Neill, and Anthony Brabazon. Meta-grammar constant creation with grammatical evolution by grammatical evolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1665–1671, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1665.pdf>

- [1068290] Sara Silva and Ernesto Costa. Resource-limited genetic programming: the dynamic approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf,

Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1673–1680, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1673.pdf>

- [1068291] David Jackson. Parsing and translation of expressions by genetic programming. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1681–1688, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1681.pdf>

- [1068292] Lee Spector, Jon Klein, and Maarten Keijzer. The push3 execution stack and the evolution of control. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1689–1696, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1689.pdf>

- [1068293] Cezary Z. Janikow and Christopher J. Mann. Cgp visits the santa fe trail: effects of heuristics on gp. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1697–1704, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1697.pdf>

- [1068294] Tadahiko Murata and Takashi Nakamura. Genetic network programming with automatically defined groups for assigning proper roles to multiple agents. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1705–1712, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1705.pdf>

- [1068295] Jason M. Daida, Michael E. Samples, and Matthew J. Byom. Probing for limits to building block mixing with a tunably-difficult problem for genetic programming. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart

Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1713–1720, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1713.pdf>

- [1068296] Marc D. Richards, Darrell Whitley, J. Ross Beveridge, Todd Mytkowicz, Duong Nguyen, and David Rome. Evolving cooperative strategies for uav teams. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1721–1728, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1721.pdf>

- [1068297] Gregory S. Hornby. Measuring, enabling and comparing modularity, regularity and hierarchy in evolutionary design. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1729–1736, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1729.pdf>

- [1068298] James F. Smith, III. Evolving fuzzy decision tree structure that adapts in real-time. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1737–1744, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1737.pdf>

- [1068299] David Jackson. Dormant program nodes and the efficiency of genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1745–1751, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1745.pdf>

- [1068300] Rachel Cavill, Steve Smith, and Andy Tyrrell. Multi-chromosomal genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1753–1759, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1753.pdf>

- [1068301] Byoung-Tak Zhang and Ha-Young Jang. Molecular programming: evolving genetic programs in a test tube. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1761–1768, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1761.pdf>
- [1068303] Sireesha Besetti and Terence Soule. Function choice, resiliency and growth in genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1771–1772, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1771.pdf>
- [1068304] Hammad Majeed, Conor Ryan, and R. Muhammad Atif Azad. Evaluating gp schema in context. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1773–1774, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1773.pdf>
- [1068305] Kohsuke Yanai and Hitoshi Iba. Probabilistic distribution models for eda-based gp. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1775–1776, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1775.pdf>
- [1068306] Riccardo Poli and William B. Langdon. Backward-chaining genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1777–1778, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1777.pdf>
- [1068307] Nate Foreman and Matthew Evett. Preventing overfitting in gp with canary functions. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and

Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1779–1780, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1779.pdf>

- [1068308] Nelishia Pillay. An investigation into using genetic programming as a means of inducing solutions to novice procedural programming problems. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1781–1782, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1781.pdf>

- [1068309] Sylvain Gelly, Olivier Teytaud, Nicolas Bredeche, and Marc Schoenauer. A statistical learning theory approach of bloat. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1783–1784, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1783.pdf>

- [1068310] Radovan Ondas, Martin Pelikan, and Kumara Sastry. Scalability of genetic programming and probabilistic incremental program evolution. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1785–1786, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1785.pdf>

- [1068311] Xiao Luo, Malcolm I. Heywood, and A. Nur Zincir-Heywood. Evolving recurrent models using linear gp. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1787–1788, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1787.pdf>

- [1068312] Ján Antolík and William H. Hsu. Evolutionary tree genetic programming. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1789–1790, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1789.pdf>

- [1068313] Michael E. Samples, Jason M. Daida, Matthew Byom, and Matt Pizzimenti. Parameter sweeps for exploring gp parameters. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1791–1792, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1791.pdf>
- [1068315] Daan Wierstra, Faustino J. Gomez, and Jürgen Schmidhuber. Modeling systems with internal state using evolino. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1795–1802, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1795.pdf>
- [1068316] B. Ravichandran, Avinash Gandhe, and R. E. Smith. Xcs for robust automatic target recognition. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1803–1810, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1803.pdf>
- [1068317] Leila Shila Shafti and Eduardo Perez. Constructive induction and genetic algorithms for learning concepts with complex interaction. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1811–1818, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1811.pdf>
- [1068318] Drew Mellor. A first order logic classifier system. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1819–1826, Washington DC, USA, 25-29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1819.pdf>
- [1068319] Pier Luca Lanzi, Daniele Loiacono, Stewart W. Wilson, and David E. Goldberg. Extending xcsf beyond linear approximation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence

Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1827–1834, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1827.pdf>

- [1068320] Martin V. Butz. Kernel-based, ellipsoidal conditions in the real-valued xcs classifier system. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1835–1842, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1835.pdf>

- [1068321] Jaume Bacardit. Analysis of the initialization stage of a pittsburgh approach learning classifier system. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1843–1850, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1843.pdf>

- [1068322] Jan Drugowitsch and Alwyn M. Barry. Xcs with eligibility traces. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1851–1858, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1851.pdf>

- [1068323] Pier Luca Lanzi, Daniele Loiacono, Stewart W. Wilson, and David E. Goldberg. Xcs with computed prediction in multistep environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1859–1866, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1859.pdf>

- [1068324] Samuel Landau, Olivier Sigaud, and Marc Schoenauer. Atnosferes revisited. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1867–1874, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1867.pdf>

- [1068325] Will Browne and Dan Scott. An abstraction algorithm for genetics-based reinforcement learning. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1875–1882, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1875.pdf>
- [1068326] Hai H. Dam, Hussein A. Abbass, and Chris Lokan. DxcS: an xcs system for distributed data mining. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1883–1890, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1883.pdf>
- [1068328] Xavier Llorca, Kumara Sastry, and David E. Goldberg. The compact classifier system: motivation, analysis, and first results. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1993–1994, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1993.pdf>
- [1068330] Ihsan Ecemis, Eric Bonabeau, and Trent Ashburn. Interactive estimation of agent-based financial markets models: modularity and learning. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1897–1904, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1897.pdf>
- [1068331] Julien Budynek, Eric Bonabeau, and Ben Shargel. Evolving computer intrusion scripts for vulnerability assessment and log analysis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1905–1912, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1905.pdf>
- [1068332] Yiu Fai Sit and Risto Miikkulainen. Learning basic navigation for personal satellite assistant using neuroevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M.

Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1913–1920, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1913.pdf>

- [1068333] Deon Garrett, Joseph Vannucci, Rodrigo Silva, Dipankar Dasgupta, and James Simien. Genetic algorithms for the sailor assignment problem. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1921–1928, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1921.pdf>

- [1068334] Jeffrey P. Ridder and Jason C. HandUber. Mission planning for joint suppression of enemy air defenses using a genetic algorithm. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1929–1936, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1929.pdf>

- [1068335] Lucas Bradstreet, Luigi Barone, and Lyndon While. Map-labelling with a multi-objective evolutionary algorithm. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1937–1944, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1937.pdf>

- [1068336] Thomas Schlichter, Christian Haubelt, and Jürgen Teich. Improving ea-based design space exploration by utilizing symbolic feasibility tests. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1945–1952, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1945.pdf>

- [1068337] John R. Koza, Sameer H. Al-Sakran, and Lee W. Jones. Automated re-invention of six patented optical lens systems using genetic programming. In Hans-Georg Beyer, Una-May O’Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1953–1960, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1953.pdf>

- [1068338] Uli Grasemann and Risto Miikkulainen. Effective image compression using evolved wavelets. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1961–1968, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1961.pdf>
- [1068339] Eric Wubbo Lameijer, Ad IJzerman, and Joost Kok. The molecule evaluator: an interactive evolutionary algorithm for designing drug molecules. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1969–1976, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1969.pdf>
- [1068340] Kenneth Stanley, Nate Kohl, Rini Sherony, and Risto Miikkulainen. Neuroevolution of an automobile crash warning system. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1977–1984, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1977.pdf>
- [1068341] Ingo Mierswa. Incorporating fuzzy knowledge into fitness: multiobjective evolutionary 3d design of process plants. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1985–1992, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1985.pdf>
- [1068342] David Montana and Jason Redi. Optimizing parameters of a mobile ad hoc network protocol with a genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1993–1998, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1993.pdf>
- [1068343] Maarten Keijzer, Martin Baptist, Vladan Babovic, and Javier Rodriguez Uthurburu. Determining equations for vegetation induced resistance using genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb,

James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1999–2006, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1999.pdf>

- [1068344] Rafal Kicingier, Tomasz Arciszewski, and Kenneth De Jong. Parameterized versus generative representations in structural design: an empirical comparison. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2007–2014, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2007.pdf>

- [1068345] Daniel Stevens, Sanjoy Das, and Bala Natarajan. A multi-objective algorithm for ds-cdma code design based on the clonal selection principle. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2015–2020, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2015.pdf>

- [1068346] Franz Rothlauf, Daniel Schunk, and Jella Pfeiffer. Classification of human decision behavior: finding modular decision rules with genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2021–2028, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2021.pdf>

- [1068347] Greg Lee and Vadim Bulitko. Gamm: genetic algorithms with meta-models for vision. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2029–2036, Washington DC, USA, 25–29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2029.pdf>

- [1068348] Yoon-Seok Choi, Byung-Ro Moon, and Sang Yong Seo. Genetic fuzzy discretization with adaptive intervals for classification problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005:*

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2037.pdf>

- [1068349] Ju Han and Bir Bhanu. Hierarchical multi-sensor image registration using evolutionary computation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2045–2052, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2045.pdf>

- [1068350] Bogdan Tomoyuki Nassu, Elias Procópio Duarte, Jr., and Aurora T. Ramirez Pozo. A comparison of evolutionary algorithms for system-level diagnosis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2053–2060, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2053.pdf>

- [1068351] Yung-Keun Kwon, Sung-Soon Choi, and Byung-Ro Moon. Stock prediction based on financial correlation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2061–2066, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2061.pdf>

- [1068352] Garnett Wilson and Malcolm Heywood. Use of a genetic algorithm in brill's transformation-based part-of-speech tagger. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2067–2073, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2067.pdf>

- [1068353] Jonathan Wight and Yi Zhang. An "ageing" operator and its use in the highly constrained topological optimization of hvac system design. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2075–2082, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2075.pdf>

- [1068354] Barry Ahrens. Genetic algorithm optimization of superresolution parameters. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2083–2088, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2083.pdf>
- [1068355] Yung-Keun Kwon and Byung-Ro Moon. Nonlinear feature extraction using a neuro genetic hybrid. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2089–2096, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2089.pdf>
- [1068356] Ashish Sureka and Peter R. Wurman. Applying metaheuristic techniques to search the space of bidding strategies in combinatorial auctions. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2097–2103, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2097.pdf>
- [1068357] Maoguo Gong, Ling Wang, Licheng Jiao, and Haifeng Du. An artificial immune system algorithm for cdma multiuser detection over multi-path channels. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2105–2111, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2105.pdf>
- [1068358] Emma Carter, Steve Ebdon, and Clive Neal-Sturgess. Optimization of passenger car design for the mitigation of pedestrian head injury using a genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2113–2120, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2113.pdf>
- [1068359] Samer L. Hijazi, Balasubramaniam Natarajan, and Sanjoy Das. An ant colony algorithm for multi-user detection in wireless communication systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau,

Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2121–2126, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2121.pdf>

- [1068360] Grant Cochenour, Jerad Simon, Sanjoy Das, Anil Pahwa, and Surasish Nag. A pareto archive evolutionary strategy based radial basis function neural network training algorithm for failure rate prediction in overhead feeders. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2127–2132, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2127.pdf>

- [1068361] Jeremiah Nummela and Bryant A. Julstrom. Evolving petri nets to represent metabolic pathways. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2133–2139, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2133.pdf>

- [1068362] Bo Yuan, Marcus Gallagher, and Stuart Crozier. Mri magnet design: search space analysis, edas and a real-world problem with significant dependencies. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2141–2148, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2141.pdf>

- [1068363] Sam Talaie, Ryan Leigh, Sushil J. Louis, and Gary L. Raines. Predicting mining activity with parallel genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2149–2155, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2149.pdf>

- [1068364] Swagatam Das, Amit Konar, and Uday K. Chakraborty. An efficient evolutionary algorithm applied to the design of two-dimensional iir filters. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO*

2005: *Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2157–2163, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2157.pdf>

- [1068365] Andrea Soltoggio. An enhanced ga to improve the search process reliability in tuning of control systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2165–2172, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2165.pdf>

- [1068366] Martina Hasenjäger, Bernhard Sendhoff, Toyotaka Sonoda, and Toshiyuki Arima. Three dimensional evolutionary aerodynamic design optimization with cma-es. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2173–2180, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2173.pdf>

- [1068367] Q. Tuan Pham. Evolutionary optimization of dynamic control problems accelerated by progressive step reduction. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2181–2187, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2181.pdf>

- [1068369] Fatih Alim and Kostadin Ivanov. Heuristic rules embedded genetic algorithm to solve in-core fuel management optimization problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2191–2192, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2191.pdf>

- [1068370] E. Sanchez, M. Schillaci, M. Sonza Reorda, G. Squillero, L. Sterpone, and M. Violante. New evolutionary techniques for test-program generation for complex microprocessor cores. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2193–2194, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2193.pdf>

- [1068371] Tomoyuki Hiroyasu, Mitsunori Miki, Seiichi Nakayama, and Yoshiko Hanada. Multi-objective optimization of diesel engine emissions and fuel economy using *spea2+*. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2195–2196, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2195.pdf>
- [1068372] K. P. Dahal, S. J. Galloway, G. M. Burt, J. R. McDonald, and I. Hopkins. A case study of process facility optimization using discrete event simulation and genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2197–2198, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2197.pdf>
- [1068373] Sean R. Szumlanski, Annie S. Wu, and Charles E. Hughes. Collaborative interactive evolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2199–2200, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2199.pdf>
- [1068374] Yuji Sato and Ryutaro Kanno. Event-driven learning classifier systems for online soccer games. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2201–2202, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2201.pdf>
- [1068375] P. Whiting, P. W. Poon, and J. N. Carter. A genetic algorithm approach to the selection of near-optimal subsets from large sets. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2203–2204, Washington DC, USA, 25–29 June 2005. ACM Press.
- URL** <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2203.pdf>
- [1068376] Ming-Hui Jin, Cheng-Yan Kao, Yu-Cheng Huang, D. Frank Hsu, Ren-Guey Lee, and Chih-Kung Lee. Compact genetic algorithm for active interval scheduling in hierarchical sensor networks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang

Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2205–2206, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2205.pdf>

- [1068377] Flor A. Castillo and Carlos M. Villa. Symbolic regression in multicollinearity problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2207–2208, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2207.pdf>

- [1068378] Mohammad Daoud and Nawwaf Kharma. Gats 1.0: a novel ga-based scheduling algorithm for task scheduling on heterogeneous processor nets. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2209–2210, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2209.pdf>

- [1068379] Timothy Meekhof and Robert B. Heckendorn. Using evolutionary optimization to improve markov-based classification with limited training data. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2211–2212, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2211.pdf>

- [1068380] Richard O. Day, Abel S. Nunez, and Gary B. Lamont. Moea design of robust digital symbol sets. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2213–2214, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2213.pdf>

- [1068381] Kisung Seo, Erik D. Goodman, and Ronald C. Rosenberg. Design of air pump system using bond graph and genetic programming method. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence

Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2215–2216, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2215.pdf>

- [1068382] Chihoon Lim and Eoksu Sim. Production planning in manufacturing/remanufacturing environment using genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2217–2218, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2217.pdf>

- [1068383] Diego Salazar and Manuel Graña Romay. Introducing a watermarking with a multi-objective genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2219–2220, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2219.pdf>

- [1068384] Tiago A. E. Ferreira, Germano C. Vasconcelos, and Paulo J. L. Adeodato. A new evolutionary method for time series forecasting. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2221–2222, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2221.pdf>

- [GECCO2005] Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llorca, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, Washington DC, USA, 25-29 June 2005. ACM Press.

URL <http://portal.acm.org/citation.cfm?id=1068009&jmp=cit&coll=GUIDE&dl=GUIDE&CFID=4>

Abstract: The papers in this two volume proceedings are presented at the 7th Annual Genetic and Evolutionary Computation Conference (GECCO-2005), held in Washington, D.C., June 25-29, 2005. This year is an exceptional one for the GECCO conference series. First, the International Society for Genetic and Evolutionary Computation (ISGEC) which has always been GECCO's sponsor has changed to become a Special Interest Group of the ACM named SIGEVO. Being part of ACM reflects the evolution and integration of our very successful discipline into the main stream of computer science. As a consequence, the GECCO-2005 proceedings are an ACM publication and they are incorporated into the ACM Digital Library. This guarantees an even broader dissemination of Darwinian and other nature-inspired computation methods. Second, we had 549 regular paper submissions representing the absolute record of

all conferences emphasising the field of evolutionary computation. Paper reviewing has been done by double blind assignment. On average each paper was evaluated by five independent reviewers. Finally, 253 paper (46.1(max. 8 pages) papers. Additionally, 120 submissions were accepted as posters. A goal of GECCO is to encourage new areas and paradigms of evolutionary computation to gather momentum and flourish. This is accomplished by the establishment of new independent tracks each year. This year, as a result of a recombinative and creative process, GECCO-2005 comprises 16 tracks consisting of core tracks ("C"), tracks previously in GECCOs ("P"), not yet belonging to the core track family), "recombined" tracks from GECCO 2004 ("R"), and newly created tracks ("N"):