

Список литературы

- [Arenas-Diaz:2008:geccocomp] Edgar David Arenas-Díaz, Helga Ochoterena-Booth, and Katya Rodríguez-Vázquez. Multiple sequence alignment using a glocca guided genetic algorithm. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1795–1798, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1795.pdf>

- [Auger:2008:geccocomp] Anne Auger and Nikolaus Hansen. Evolution strategies and related estimation of distribution algorithms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2727–2740, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2727.pdf>

- [Awais:2008:geccocomp] Aliya Awais, Muddassar Farooq, and Muhammad Younus Javed. Attack analysis & bio-inspired security framework for ipmultimedia subsystem. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2093–2098, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2093.pdf>

- [Azad:2008:geccocomp] R. Muhammad Atif Azad and Conor Ryan. Gecco 2008 grammatical evolution tutorial. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2339–2366, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2339.pdf>

- [Babb:2008:geccocomp] Brendan Babb, Frank Moore, Michael Peterson, and Gary Lamont. Evolving better satellite image compression and reconstruction transforms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, pages 1901–1906, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1901.pdf>

- [Baeck:2008:geccocomp] Thomas Bäck. Evolution strategies: basic introduction. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2259–2276, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2259.pdf>

[Bartz-Beielstein:2008:geccocomp] Thomas Bartz-Beielstein and Mike Preuss. Experimental research in evolutionary computation. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2517–2534, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2517.pdf>

[Baughman:2008:geccocomp] Aaron K. Baughman. Evolutionary facial feature selection. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2099–2104, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2099.pdf>

[Bhattacharya2:2008:geccocomp] Maumita Bhattacharya. Handling uncertainty with a real-coded ea. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2111–2116, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2111.pdf>

[Bhattacharya3:2008:geccocomp] Maumita Bhattacharya. Reduced computation for evolutionary optimization in noisy environment. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2117–2122, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2117.pdf>

[Bhattacharya:2008:geccocomp] Maumita Bhattacharya. A synergistic approach for evolutionary optimization. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2105–2110, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2105.pdf>

[Blouza:2008:geccocomp] Adel Blouza, Laurent Dumas, and Ibrahima M'Baye. Multiobjective optimization of a stent in a fluid-structure context. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, pages 2055–2060, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2055.pdf>

- [Borenstein:2008:geccocomp] Yossi Borenstein. An information perspective on evolutionary computation. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2689–2700, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2689.pdf>

- [Briza:2008:geccocomp] Antonio C. Briza and Prospero C. Naval, Jr. Design of stock trading system for historical market data using multiobjective particle swarm optimization of technical indicators. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC)*, pages 1871–1878, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1871.pdf>

- [Butz:2008:geccocomp] Martin V. Butz. Learning classifier systems. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2367–2388, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2367.pdf>

- [Chen:2008:geccocomp] Jian-Hong Chen and Jian-Hung Chen. Multi-objective memetic approach for flexible process sequencing problems. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2123–2128, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2123.pdf>

- [Chira:2008:geccocomp] Camelia Chira, Anca Gog, and D. Dumitrescu. Exploring population geometry and multi-agent systems: a new approach to developing evolutionary techniques. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, pages 1953–1960, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1953.pdf>

- [Coello:2008:geccocomp] Carlos A. Coello Coello. Constraint-handling techniques used with evolutionary algorithms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2445–2466, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2445.pdf>

- [Dasgupta:2008:geccocomp] Dipankar Dasgupta, German Hernandez, Deon Garrett, Pavan Kalyan Vejandla, Aishwarya Kaushal, Ramjee Yerneni, and James Simien. A comparison of multiobjective evolutionary algorithms with informed initialization and kuhn-munkres algorithm for the sailor assignment problem. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2129–2134, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2129.pdf>

- [Deb:2008:geccocomp] Kalyanmoy Deb. Evolutionary practical optimization. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2487–2516, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2487.pdf>

- [Enee:2008:geccocomp] Gilles Enée and Mathias Peroumalnaïk. Adapted pittsburgh classifier system: building accurate strategies in non markovian environments. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Learning Classifier Systems*, pages 2001–2008, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2001.pdf>

- [Fernandez-Blanco:2008:geccocomp] Pablo Fernández-Blanco, Diego J. Bodas-Sagi, Francisco J. Soltero, and J. Ignacio Hidalgo. Technical market indicators optimization using evolutionary algorithms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC)*, pages 1851–1858, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1851.pdf>

- [Francisco2:2008:geccocomp] Tiago Francisco and Gustavo Miguel Jorge dos Reis. Evolving predator and prey behaviours with co-evolution using genetic programming and decision trees. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, pages 1893–1900, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1893.pdf>

- [Francisco:2008:geccocomp] Tiago Francisco and Gustavo Miguel Jorge dos Reis. Evolving combat algorithms to control space ships in a 2d space simulation game with co-evolution using

genetic programming and decision trees. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, pages 1887–1892, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1887.pdf>

[Franco:2008:geccocomp] Maria A. Franco, Ivette C. Martinez, and Celso Gorrin. Supply chain management sales using xcsr. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Learning Classifier Systems*, pages 1993–2000, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1993.pdf>

[Fries:2008:geccocomp] Terrence P. Fries. A fuzzy-genetic approach to network intrusion detection. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2141–2146, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2141.pdf>

[Goodman:2008:geccocomp] Erik D. Goodman. Introduction to genetic algorithms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2277–2298, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2277.pdf>

[Hassan:2008:geccocomp] Ghada Hassan. Non-linear factor model for asset selection using multi objective genetic programming. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARCFEC)*, pages 1859–1862, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1859.pdf>

[Hazell:2008:geccocomp] Alex Hazell and Stephen L. Smith. Towards an objective assessment of alzheimer’s disease: the application of a novel evolutionary algorithm in the analysis of figure copying tasks. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, pages 2073–2080, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2073.pdf>

[Howard:2008:geccocomp] Gerard David Howard and Larry Bull. On the effects of node duplication and connection-oriented constructivism in neural xcsf. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Learning Classifier Systems*, pages 1977–1984, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1977.pdf>

[Iclanzan:2008:geccocomp] David Iclanzan and D. Dumitrescu. Towards memoryless model building. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2147–2152, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2147.pdf>

[Imada:2008:geccocomp] Janine H. Imada and Brian J. Ross. Using feature-based fitness evaluation in symbolic regression with added noise. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2153–2158, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2153.pdf>

[Jansen:2008:geccocomp] Thomas Jansen and Frank Neumann. Computational complexity and evolutionary computation. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2417–2444, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2417.pdf>

[Jaskowski:2008:geccocomp] Wojciech Jaskowski, Krzysztof Krawiec, and Bartosz Wieloch. Multi-task code reuse in genetic programming. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2159–2164, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2159.pdf>

[Jong:2008:geccocomp] Kenneth De Jong. Evolutionary computation: a unified approach. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2245–2258, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2245.pdf>

[Junior:2008:geccocomp] Aranildo Rodrigues Lima, Junior. A study for multi-objective fitness function for time series forecasting with intelligent techniques. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Undergraduate Student Workshops*, pages 1843–1846, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1843.pdf>

[Kayani2:2008:geccocomp] Saheeb Ahmed Kayani and Muhammad Afzaal Malik. Bond-graphs + genetic programming: analysis of an automatically synthesized rotary mechanical system. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2165–2168, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2165.pdf>

[Kayani:2008:geccocomp] Saheeb Ahmed Kayani. Search for human competitive results in open ended automated synthesis of a primordial mechatronic system. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1827–1830, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1827.pdf>

[Keijzer:2008:geccocomp] Maarten Keijzer. Symbolic regression. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2895–2906, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2895.pdf>

[Khan:2008:geccocomp] Gul Muhammad Khan, Julian Francis Miller, and David M. Halliday. Developing neural structure of two agents that play checkers using cartesian genetic programming. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2169–2174, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2169.pdf>

[Kim:2008:geccocomp] Jae-Woo Kim. How social structure and institutional order co-evolve beyond instrumental rationality. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1803–1806, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1803.pdf>

- [Korani:2008:geccocomp] Wael Mansour Korani. Bacterial foraging oriented by particle swarm optimization strategy for pid tuning. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1823–1826, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1823.pdf>

- [Koza:2008:geccocomp] John R. Koza. Introduction to genetic programming: tutorial. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2299–2338, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2299.pdf>

- [Krawiec:2008:geccocomp] Krzysztof Krawiec and Przemysław Polewski. Potential fitness for genetic programming. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2175–2180, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2175.pdf>

- [Krevelen:2008:geccocomp] D. W. F. van Krevelen. Specialization with neuroevolution in a collective behaviour task. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1807–1810, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1807.pdf>

- [Kumar:2008:geccocomp] Rajeev Kumar. Evolutionary multiobjective combinatorial optimization (emco). In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2805–2828, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2805.pdf>

- [Laessig:2008:geccocomp] Jörg Lässig, Karl Heinz Hoffmann, and Mihaela Enachescu. Threshold selecting: best possible probability distribution for crossover selection in genetic algorithms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2181–2186, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2181.pdf>

- [Loiacono:2008:geccocomp] Daniele Loiacono and Pier Luca Lanzi. Recursive least squares and quadratic prediction in continuous multistep problems. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Learning Classifier Systems*, pages 1985–1992, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1985.pdf>

- [Lu:2008:geccocomp] Zhenyu Lu, Anand I. Rughani, Bruce I. Tranmer, and Josh Bongard. Informative sampling for large unbalanced data sets. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, pages 2047–2054, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2047.pdf>

- [Lung:2008:geccocomp] Rodica I. Lung, Camelia Chira, and D. Dumitrescu. An agent-based collaborative evolutionary model for multimodal optimization. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, pages 1969–1976, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1969.pdf>

- [Madureira:2008:geccocomp] Ana Madureira, Filipe Santos, and Ivo Pereira. Self-managing agents for dynamic scheduling in manufacturing. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2187–2192, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2187.pdf>

- [Malago:2008:geccocomp] Luigi Malagò, Matteo Matteucci, and Bernardo Dal Seno. An information geometry perspective on estimation of distribution algorithms: boundary analysis. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Optimization by Building and Using Probabilistic Models (OBUPM)*, pages 2081–2088, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2081.pdf>

- [Martinez:2008:geccocomp] Ivette C. Martínez and Klaus Jaffe. Comparing different modes of horizontal information transmission in stabilizing cooperation in different complex networks. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson,

Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, pages 1933–1938, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1933.pdf>

[Merkle2:2008:geccocomp] Laurence D. Merkle. Automated network forensics. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, pages 1929–1932, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1929.pdf>

[Merkle:2008:geccocomp] Laurence D. Merkle. Metaoptimization of the in-lining priority function for a compiler targeting a polymorphous computing architecture. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, pages 1921–1928, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1921.pdf>

[Miikkulainen:2008:geccocomp] Risto Miikkulainen and Kenneth O. Stanley. Evolving neural networks. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2829–2848, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2829.pdf>

[Miller:2008:geccocomp] Julian Francis Miller and Simon L. Harding. Cartesian genetic programming. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2701–2726, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2701.pdf>

[Moore:2008:geccocomp] Frank W. Moore and Brendan Babb. A differential evolution algorithm for optimizing signal compression and reconstruction transforms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, pages 1907–1912, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1907.pdf>

[Nowak2:2008:geccocomp] Dustin J. Nowak and Gary B. Lamont. Autonomous agent behavior generation using multiobjective evolutionary optimization. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, pages 1961–1968, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1961.pdf>

[Nowak:2008:geccocomp] Dustin J. Nowak, Gary B. Lamont, and Gilbert L. Peterson. Emergent architecture in self organized swarm systems for military applications. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, pages 1913–1920, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1913.pdf>

[Oca:2008:geccocomp] Marco A. Montes de Oca and Thomas Stützle. Towards incremental social learning in optimization and multiagent systems. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, pages 1939–1944, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1939.pdf>

[Orriols-Puig:2008:geccocomp] Albert Orriols-Puig, Jorge Casillas, and Ester Bernadó-Mansilla. First approach toward on-line evolution of association rules with learning classifier systems. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Learning Classifier Systems*, pages 2031–2038, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2031.pdf>

[Padhye2:2008:geccocomp] Nikhil Padhye. Interplanetary trajectory optimization with swing-bys using evolutionary multi-objective optimization. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Undergraduate Student Workshops*, pages 1835–1838, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1835.pdf>

[Padhye:2008:geccocomp] Nikhil Padhye. Topology optimization of compliant mechanism using multi-objective particle swarm optimization. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo,

Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Undergraduate Student Workshops*, pages 1831–1834, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1831.pdf>

[Paperin:2008:geccocomp] Gregory Paperin. Using holey fitness landscapes to counteract premature convergence in evolutionary algorithms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1815–1818, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1815.pdf>

[Parmee:2008:geccocomp] Ian C. Parmee. Evolutionary design search, exploration and optimisation. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2777–2804, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2777.pdf>

[Patton:2008:geccocomp] Robert M. Patton, Barbara Beckerman, and Thomas E. Potok. Analysis of mammography reports using maximum variation sampling. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, pages 2061–2064, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2061.pdf>

[Paul:2008:geccocomp] Topon K. Paul, Ken Ueno, Koichiro Iwata, Toshio Hayashi, and Nobuyoshi Honda. Risk prediction and risk factors identification from imbalanced data with rpbga+. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2193–2198, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2193.pdf>

[Pauw:2008:geccocomp] Dirk J. W. De Pauw and Bernard De Baets. Incorporating model identifiability into equation discovery of ode systems. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2135–2140, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2135.pdf>

[Payne:2008:geccocomp] Joshua L. Payne and Margaret J. Eppstein. Parameterizing pair approximations for takeover dynamics. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2199–2204, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2199.pdf>

[Pelikan:2008:geccocomp] Martin Pelikan. Probabilistic model-building genetic algorithms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2389–2416, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2389.pdf>

[Peralta:2008:geccocomp] Juan Peralta, German Gutierrez, and Araceli Sanchis. Adann: automatic design of artificial neural networks. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARCFEC)*, pages 1863–1870, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1863.pdf>

[Poli:2008:geccocomp] Riccardo Poli. Genetic programming theory. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2559–2588, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2559.pdf>

[Ribeiro:2008:geccocomp] José Carlos Bregieiro Ribeiro. Search-based test case generation for object-oriented java software using strongly-typed genetic programming. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1819–1822, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1819.pdf>

[Rosenberg:2008:geccocomp] Brad Rosenberg, Marc Richards, John T. Langton, Sofya Tenenbaum, and Daniel W. Stouch. Applications of multi-objective evolutionary algorithms to air operations mission planning. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, pages 1879–1886, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1879.pdf>

[Rothlauf:2008:geccocomp] Franz Rothlauf. Representations for evolutionary algorithms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2613–2638, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2613.pdf>

[Rowe:2008:geccocomp] Jonathan E. Rowe. Genetic algorithm theory. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2535–2558, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2535.pdf>

[Salazar:2008:geccocomp] Norman Salazar, Juan A. Rodriguez-Aguilar, and Josep Lluís Arcos. Infection-based self-configuration in agent societies. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, pages 1945–1952, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1945.pdf>

[Santana-Quintero:2008:geccocomp] Luis V. Santana-Quintero and Carlos A. Coello Coello. Accelerating convergence using rough sets theory for multi-objective optimization problems. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1799–1802, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1799.pdf>

[Sato:2008:geccocomp] Hiroyuki Sato, Hernan E. Aguirre, and Kiyoshi Tanaka. Local dominance and controlling dominance area of solutions in multi and many objectives eas. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1811–1814, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1811.pdf>

[Sewell:2008:geccocomp] Martin Victor Sewell and Wei Yan. Ultra high frequency financial data. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC)*, pages 1847–1850, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1847.pdf>

- [Shirakawa:2008:geccocomp] Shinichi Shirakawa and Tomoharu Nagao. Evolutionary algorithm considering program size: efficient program evolution using grape. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2217–2222, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2217.pdf>

- [Sichtig:2008:geccocomp] Heike Sichtig, J. David Schaffer, and Craig B. Laramée. Ssnns -: a suite of tools to explore spiking neural networks. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1787–1790, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1787.pdf>

- [Sipper:2008:geccocomp] Moshe Sipper. Evolutionary computation & games. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2741–2776, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2741.pdf>

- [Small:2008:geccocomp] Ryan K. Small. Agent smith: a real-time game-playing agent for interactive dynamic games. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Undergraduate Student Workshops*, pages 1839–1842, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1839.pdf>

- [Spector:2008:geccocomp] Lee Spector. Quantum computing. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2865–2894, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2865.pdf>

- [Squillero2:2008:geccocomp] Giovanni Squillero. Ea-based test and verification of microprocessors. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2665–2688, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2665.pdf>

[Squillero:2008:geccocomp] Giovanni Squillero and Alberto Paolo Tonda. A novel methodology for diversity preservation in evolutionary algorithms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2223–2226, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2223.pdf>

[Staliph:2008:geccocomp] Patrick Staliph and Martin V. Butz. Towards increasing learning speed and robustness of xcsf: experimenting with larger offspring set sizes. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Learning Classifier Systems*, pages 2023–2030, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2023.pdf>

[Stanley:2008:geccocomp] Kenneth O. Stanley. Generative and developmental systems. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2849–2864, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2849.pdf>

[Sullivan:2008:geccocomp] Keith Sullivan, Sean Luke, Curt Larock, Sean Cier, and Steven Armentrout. Opportunistic evolution: efficient evolutionary computation on large-scale computational grids. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2227–2232, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2227.pdf>

[Tabacman:2008:geccocomp] Maximiliano Tabacman, Natalio Krasnogor, Jaume Bacardit, and Irene Loiseau. Learning classifier systems for optimisation problems: a case study on fractal travelling salesman problem. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Learning Classifier Systems*, pages 2039–2046, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2039.pdf>

[Talukder:2008:geccocomp] A.K.M. Khaled Ahsan Talukder. Towards high speed multiobjective evolutionary optimizers. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark

Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Graduate Student Workshops*, pages 1791–1794, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1791.pdf>

[Thierens:2008:geccocomp] Dirk Thierens. A bivariate probabilistic model-building genetic algorithm for graph bipartitioning. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Optimization by Building and Using Probabilistic Models (OBUPM)*, pages 2089–2092, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2089.pdf>

[Tran:2008:geccocomp] Trung Hau Tran, Cédric Sanza, and Yves Duthen. Evolving prediction weights using evolution strategy. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Learning Classifier Systems*, pages 2009–2016, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2009.pdf>

[Vallim:2008:geccocomp] Rosane M.M. Vallim, David E. Goldberg, Xavier Llorà, Thyago S.P.C. Duque, and André C.P.L.F. Carvalho. A new approach for multi-label classification based on default hierarchies and organizational learning. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: Learning Classifier Systems*, pages 2017–2022, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2017.pdf>

[Whitley:2008:geccocomp] Darrell Whitley. No free lunch. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2589–2612, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2589.pdf>

[Wilson:2008:geccocomp] Dominic Wilson and Devinder Kaur. Using quotient graphs to model neutrality in evolutionary search. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2233–2238, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2233.pdf>

[Wineberg:2008:geccocomp] Mark Wineberg and Steffen Christensen. An introduction to statistical analysis for evolutionary computation. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon,

Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2639–2664, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2639.pdf>

[Witt:2008:geccocomp] Carsten Witt. Theory of randomised search heuristics in combinatorial optimisation: an algorithmic point of view. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2907–2946, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2907.pdf>

[Yu:2008:geccocomp] Lu Yu, Jin Zhou, Fengming Ye, Shingo Mabu, Kaoru Shimada, Kotaro Hirasawa, and Sandor Markon. Double-deck elevator system using genetic network programming with genetic operators based on pheromone information. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Late-Breaking Papers*, pages 2239–2244, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2239.pdf>

[Zaharie:2008:geccocomp] Daniela Zaharie, Diana Lungeanu, and Flavia Zamfrache. Interactive search of rules in medical data using multiobjective evolutionary algorithms. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, pages 2065–2072, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2065.pdf>

[Zitzler:2008:geccocomp] Eckart Zitzler and Kalyanmoy Deb. Evolutionary multiobjective optimization. In Marc Ebner, Mike Cattolico, Jano van Hemert, Steven Gustafson, Laurence D. Merkle, Frank W. Moore, Clare Bates Congdon, Christopher D. Clack, Frank W. Moore, William Rand, Sevan G. Ficici, Rick Riolo, Jaume Bacardit, Ester Bernado-Mansilla, Martin V. Butz, Stephen L. Smith, Stefano Cagnoni, Mark Hauschild, Martin Pelikan, and Kumara Sastry, editors, *GECCO-2008 tutorials*, pages 2467–2486, Atlanta, GA, USA, 12-16 July 2008. ACM.

URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2467.pdf>