Список литературы

- [Arenas-Díaz et al.(2008)Arenas-Díaz, Ochoterena-Booth and Rodríguez-Vázquez] Arenas-Díaz, E.D., Ochoterena-Booth, H. and Rodríguez-Vázquez, K. (2008) 'Multiple sequence alignment using a glocsa guided genetic algorithm'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1795–1798. doi:http://dx.doi.org/10.1145/1388969.1388973. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1795.pdf.
- [Auger and Hansen(2008)] Auger, A. and Hansen, N. (2008) 'Evolution strategies and related estimation of distribution algorithms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2727–2740. doi:http://dx.doi.org/10.1145/1388969.1389076. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2727.pdf.
- [Awais et al.(2008)Awais, Farooq and Javed] Awais, A., Farooq, M. and Javed, M.Y. (2008) 'Attack analysis & bio-inspired security framework for ipmultimedia subsystem'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2093–2098. doi:http://dx.doi.org/10.1145/1388969.1389029. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2093.pdf.
- [Azad and Ryan(2008)] Azad, R.M.A. and Ryan, C. (2008) 'Gecco 2008 grammatical evolution tutorial'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2339-2366. doi:http://dx.doi.org/10.1145/1388969.1389058. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2339.pdf.
- [Babb et al.(2008)Babb, Moore, Peterson and Lamont] Babb, B., Moore, F., Peterson, M. and Lamont, G. (2008) 'Evolving better satellite image compression and reconstruction transforms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC). Atlanta, GA, USA: ACM, pp. 1901–1906. doi:http://dx.doi.org/10.1145/1388969.1388997. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1901.pdf.
- [Bäck(2008)] Bäck, T. (2008) 'Evolution strategies: basic introduction'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2259-2276. doi:http://dx.doi.org/10.1145/1388969.1389055. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2259.pdf.
- [Bartz-Beielstein and Preuss(2008)] Bartz-Beielstein, T. and Preuss, M. (2008) 'Experimental research in evolutionary computation'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2517-2534. doi: http://dx.doi.org/10.1145/1388969.1389066. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2517.pdf.

- [Baughman(2008)] Baughman, A.K. (2008) 'Evolutionary facial feature selection'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2099-2104. doi:http://dx.doi.org/10.1145/1388969.1389030. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2099.pdf.
- [Bhattacharya(2008a)] Bhattacharya, M. (2008a) 'Handling uncertainty with a real-coded ea'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2111-2116. doi:http://dx.doi.org/10.1145/1388969.1389032. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2111.pdf.
- [Bhattacharya(2008b)] Bhattacharya, M. (2008b) 'Reduced computation for evolutionary optimization in noisy environment'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2117-2122. doi:http://dx.doi.org/10.1145/1388969.1389033. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2117.pdf.
- [Bhattacharya(2008c)] Bhattacharya, M. (2008c) 'A synergistic approach for evolutionary optimization'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2105-2110. doi: http://dx.doi.org/10.1145/1388969.1389031. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2105.pdf.
- [Blouza et al.(2008)Blouza, Dumas and M'Baye] Blouza, A., Dumas, L. and M'Baye, I. (2008) 'Multiobjective optimization of a stent in a fluid-structure context'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation. Atlanta, GA, USA: ACM, pp. 2055–2060. doi:http://dx.doi.org/10.1145/1388969.1389021. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2055.pdf.
- [Borenstein(2008)] Borenstein, Y. (2008) 'An information perspective on evolutionary computation'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2689-2700. doi:http://dx.doi.org/10.1145/1388969.1389074. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2689.pdf.
- [Briza and Naval, Jr.(2008)] Briza, A.C. and Naval, Jr., P.C. (2008) 'Design of stock trading system for historical market data using multiobjective particle swarm optimization of technical indicators'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC). Atlanta, GA, USA: ACM, pp. 1871–1878. doi:http://dx.doi.org/10.1145/1388969. 1388992. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1871. pdf.

- [Butz(2008)] Butz, M.V. (2008) 'Learning classifier systems'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2367-2388. doi:http://dx.doi.org/10.1145/1388969.1389059. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2367.pdf.
- [Chen and Chen(2008)] Chen, J.H. and Chen, J.H. (2008) 'Multi-objective memetic approach for flexible process sequencing problems'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2123-2128. doi:http://dx.doi.org/10.1145/1388969.1389034. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2123.pdf.
- [Chira et al.(2008)Chira, Gog and Dumitrescu] Chira, C., Gog, A. and Dumitrescu, D. (2008) 'Exploring population geometry and multi-agent systems: a new approach to developing evolutionary techniques'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS). Atlanta, GA, USA: ACM, pp. 1953-1960. doi:http://dx.doi.org/10.1145/1388969.1389006. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1953.pdf.
- [Coello Coello(2008)] Coello Coello, C.A. (2008) 'Constraint-handling techniques used with evolutionary algorithms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2445-2466. doi: http://dx.doi.org/10.1145/1388969.1389063. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2445.pdf.
- [Dasgupta et al.(2008)Dasgupta, Hernandez, Garrett, Vejandla, Kaushal, Yerneni and Simien]
 Dasgupta, D., Hernandez, G., Garrett, D., Vejandla, P.K., Kaushal, A., Yerneni, R. and Simien,
 J. (2008) 'A comparison of multiobjective evolutionary algorithms with informed initialization
 and kuhn-munkres algorithm for the sailor assignment problem'. In M. Ebner, M. Cattolico,
 J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore,
 W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith,
 S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers.
 Atlanta, GA, USA: ACM, pp. 2129-2134. doi:http://dx.doi.org/10.1145/1388969.1389035.
 Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2129.pdf.
- [De Jong(2008)] De Jong, K. (2008) 'Evolutionary computation: a unified approach'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2245-2258. doi:http://dx.doi.org/10.1145/1388969.1389054. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2245.pdf.
- [De Pauw and De Baets(2008)] De Pauw, D.J.W. and De Baets, B. (2008) 'Incorporating model identifiability into equation discovery of ode systems'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2135-2140. doi:http://dx.doi.org/10.1145/1388969.1389036. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2135.pdf.
- [Deb(2008)] Deb, K. (2008) 'Evolutionary practical optimization'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore,

- W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) *GECCO-2008 tutorials*. Atlanta, GA, USA: ACM, pp. 2487-2516. doi:http://dx.doi.org/10.1145/1388969.1389065. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2487.pdf.
- [Enée and Peroumalnaïk(2008)] Enée, G. and Peroumalnaïk, M. (2008) 'Adapted pittsburgh classifier system: building accurate strategies in non markovian environments'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Learning Classifier Systems. Atlanta, GA, USA: ACM, pp. 2001–2008. doi:http://dx.doi.org/10.1145/1388969.1389013. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2001.pdf.
- [Fernández-Blanco et al. (2008) Fernández-Blanco, Bodas-Sagi, Soltero and Hidalgo] Fernández-Blanco, P., Bodas-Sagi, D.J., Soltero, F.J. and Hidalgo, J.I. (2008) 'Technical market indicators optimization using evolutionary algorithms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC). Atlanta, GA, USA: ACM, pp. 1851–1858. doi:http://dx.doi.org/10.1145/1388969.1388989. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1851.pdf.
- [Francisco and dos Reis(2008a)] Francisco, T. and dos Reis, G.M.J. (2008a) 'Evolving combat algorithms to control space ships in a 2d space simulation game with co-evolution using genetic programming and decision trees'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC). Atlanta, GA, USA: ACM, pp. 1887–1892. doi:http://dx.doi.org/10.1145/1388969.1388995. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1887.pdf.
- [Francisco and dos Reis(2008b)] Francisco, T. and dos Reis, G.M.J. (2008b) 'Evolving predator and prey behaviours with co-evolution using genetic programming and decision trees'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC). Atlanta, GA, USA: ACM, pp. 1893—1900. doi:http://dx.doi.org/10.1145/1388969.1388996. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1893.pdf.
- [Franco et al.(2008)Franco, Martinez and Gorrin] Franco, M.A., Martinez, I.C. and Gorrin, C. (2008) 'Supply chain management sales using xcsr'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Learning Classifier Systems. Atlanta, GA, USA: ACM, pp. 1993—2000. doi:http://dx.doi.org/10.1145/1388969. 1389012. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1993.pdf.
- [Fries(2008)] Fries, T.P. (2008) 'A fuzzy-genetic approach to network intrusion detection'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2141-2146. doi:http://dx.doi.org/10.1145/1388969.1389037. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2141.pdf.

- [Goodman(2008)] Goodman, E.D. (2008) 'Introduction to genetic algorithms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2277-2298. doi:http://dx.doi.org/10.1145/1388969.1389056. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2277.pdf.
- [Hassan(2008)] Hassan, G. (2008) 'Non-linear factor model for asset selection using multi objective genetic programming'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC)*. Atlanta, GA, USA: ACM, pp. 1859–1862. doi:http://dx.doi.org/10.1145/1388969.1388990. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1859.pdf.
- [Hazell and Smith(2008)] Hazell, A. and Smith, S.L. (2008) 'Towards an objective assessment of alzheimer's disease: the application of a novel evolutionary algorithm in the analysis of figure copying tasks'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation. Atlanta, GA, USA: ACM, pp. 2073–2080. doi:http://dx.doi.org/10.1145/1388969. 1389024. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2073.pdf.
- [Howard and Bull(2008)] Howard, G.D. and Bull, L. (2008) 'On the effects of node duplication and connection-oriented constructivism in neural xcsf'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) *GECCO-2008 Workshop: Learning Classifier Systems.* Atlanta, GA, USA: ACM, pp. 1977–1984. doi:http://dx.doi.org/10.1145/1388969.1389010. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1977.pdf.
- [Iclanzan and Dumitrescu(2008)] Iclanzan, D. and Dumitrescu, D. (2008) 'Towards memoryless model building'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2147-2152. doi: http://dx.doi.org/10.1145/1388969.1389038. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2147.pdf.
- [Imada and Ross(2008)] Imada, J.H. and Ross, B.J. (2008) 'Using feature-based fitness evaluation in symbolic regression with added noise'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2153-2158. doi:http://dx.doi.org/10.1145/1388969.1389039. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2153.pdf.
- [Jansen and Neumann(2008)] Jansen, T. and Neumann, F. (2008) 'Computational complexity and evolutionary computation'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2417-2444. doi: http://dx.doi.org/10.1145/1388969.1389062. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2417.pdf.

- [Jaskowski et al.(2008)Jaskowski, Krawiec and Wieloch] Jaskowski, W., Krawiec, K. and Wieloch, B. (2008) 'Multi-task code reuse in genetic programming'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2159-2164. doi:http://dx.doi.org/10.1145/1388969.1389040. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2159.pdf.
- [Kayani(2008)] Kayani, S.A. (2008) 'Search for human competitive results in open ended automated synthesis of a primordial mechatronic system'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1827–1830. doi:http://dx.doi.org/10.1145/1388969.1388981. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1827.pdf.
- [Kayani and Malik(2008)] Kayani, S.A. and Malik, M.A. (2008) 'Bond-graphs + genetic programming: analysis of an automatically synthesized rotary mechanical system'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2165-2168. doi:http://dx.doi.org/10.1145/1388969.1389041. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2165.pdf.
- [Keijzer (2008)] Keijzer, M. (2008) 'Symbolic regression'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2895-2906. doi:http://dx.doi.org/10.1145/1388969.1389083. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2895.pdf.
- [Khan et al.(2008)Khan, Miller and Halliday] Khan, G.M., Miller, J.F. and Halliday, D.M. (2008) 'Developing neural structure of two agents that play checkers using cartesian genetic programming'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2169–2174. doi: http://dx.doi.org/10.1145/1388969.1389042. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2169.pdf.
- [Kim(2008)] Kim, J.W. (2008) 'How social structure and institutional order co-evolve beyond instrumental rationality'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1803-1806. doi: http://dx.doi.org/10.1145/1388969.1388975. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1803.pdf.
- [Korani(2008)] Korani, W.M. (2008) 'Bacterial foraging oriented by particle swarm optimization strategy for pid tuning'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1823-1826. doi: http://dx.doi.org/10.1145/1388969.1388980. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1823.pdf.
- [Koza(2008)] Koza, J.R. (2008) 'Introduction to genetic programming: tutorial'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz,

- S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) *GECCO-2008 tutorials*. Atlanta, GA, USA: ACM, pp. 2299–2338. doi:http://dx.doi.org/10.1145/1388969.1389057. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2299.pdf.
- [Krawiec and Polewski(2008)] Krawiec, K. and Polewski, P. (2008) 'Potential fitness for genetic programming'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2175–2180. doi: http://dx.doi.org/10.1145/1388969.1389043. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2175.pdf.
- [Kumar(2008)] Kumar, R. (2008) 'Evolutionary multiobjective combinatorial optimization (emco)'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2805-2828. doi:http://dx.doi.org/10.1145/1388969.1389079. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2805.pdf.
- [Lässig et al.(2008)Lässig, Hoffmann and Enachescu] Lässig, J., Hoffmann, K.H. and Enachescu, M. (2008) 'Threshold selecting: best possible probability distribution for crossover selection in genetic algorithms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2181–2186. doi: http://dx.doi.org/10.1145/1388969.1389044. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2181.pdf.
- [Loiacono and Lanzi(2008)] Loiacono, D. and Lanzi, P.L. (2008) 'Recursive least squares and quadratic prediction in continuous multistep problems'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Learning Classifier Systems. Atlanta, GA, USA: ACM, pp. 1985-1992. doi:http://dx.doi.org/10.1145/1388969. 1389011. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1985.pdf.
- [Lu et al.(2008)Lu, Rughani, Tranmer and Bongard] Lu, Z., Rughani, A.I., Tranmer, B.I. and Bongard, J. (2008) 'Informative sampling for large unbalanced data sets'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation. Atlanta, GA, USA: ACM, pp. 2047–2054. doi:http://dx.doi.org/10.1145/1388969.1389020. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2047.pdf.
- [Lung et al.(2008)Lung, Chira and Dumitrescu] Lung, R.I., Chira, C. and Dumitrescu, D. (2008) 'An agent-based collaborative evolutionary model for multimodal optimization'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS). Atlanta, GA, USA: ACM, pp. 1969-1976. doi:http://dx.doi.org/10.1145/1388969.1389008. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1969.pdf.
- [Madureira et al. (2008) Madureira, Santos and Pereira] Madureira, A., Santos, F. and Pereira, I. (2008) 'Self-managing agents for dynamic scheduling in manufacturing'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D.

- Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) *GECCO-2008 Late-Breaking Papers*. Atlanta, GA, USA: ACM, pp. 2187–2192. doi:http://dx.doi.org/10.1145/1388969.1389045. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2187.pdf.
- [Malagò et al.(2008)Malagò, Matteucci and Dal Seno] Malagò, L., Matteucci, M. and Dal Seno, B. (2008) 'An information geometry perspective on estimation of distribution algorithms: boundary analysis'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Optimization by Building and Using Probabilistic Models (OBUPM). Atlanta, GA, USA: ACM, pp. 2081–2088. doi:http://dx.doi.org/10.1145/1388969.1389026. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2081.pdf.
- [Martínez and Jaffe(2008)] Martínez, I.C. and Jaffe, K. (2008) 'Comparing different modes of horizontal information transmission in stabilizing cooperation in different complex networks'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS). Atlanta, GA, USA: ACM, pp. 1933–1938. doi:http://dx.doi.org/10.1145/1388969.1389003. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1933.pdf.
- [Merkle(2008a)] Merkle, L.D. (2008a) 'Automated network forensics'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC). Atlanta, GA, USA: ACM, pp. 1929–1932. doi:http://dx.doi.org/10.1145/1388969.1389001. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1929.pdf.
- [Merkle(2008b)] Merkle, L.D. (2008b) 'Metaoptimization of the in-lining priority function for a compiler targeting a polymorphous computing architecture'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC). Atlanta, GA, USA: ACM, pp. 1921–1928. doi: http://dx.doi.org/10.1145/1388969.1389000. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1921.pdf.
- [Miikkulainen and Stanley(2008)] Miikkulainen, R. and Stanley, K.O. (2008) 'Evolving neural networks'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2829-2848. doi: http://dx.doi.org/10.1145/1388969.1389080. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2829.pdf.
- [Miller and Harding(2008)] Miller, J.F. and Harding, S.L. (2008) 'Cartesian genetic programming'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2701-2726. doi:http://dx.doi.org/10.1145/1388969.1389075. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2701.pdf.
- [Montes de Oca and Stützle(2008)] Montes de Oca, M.A. and Stützle, T. (2008) 'Towards incremental social learning in optimization and multiagent systems'. In M. Ebner, M. Cattolico,

- J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*. Atlanta, GA, USA: ACM, pp. 1939–1944. doi:http://dx.doi.org/10.1145/1388969.1389004. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1939.pdf.
- [Moore and Babb(2008)] Moore, F.W. and Babb, B. (2008) 'A differential evolution algorithm for optimizing signal compression and reconstruction transforms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC). Atlanta, GA, USA: ACM, pp. 1907-1912. doi: http://dx.doi.org/10.1145/1388969.1388998. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1907.pdf.
- [Nowak and Lamont(2008)] Nowak, D.J. and Lamont, G.B. (2008) 'Autonomous agent behavior generation using multiobjective evolutionary optimization'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*. Atlanta, GA, USA: ACM, pp. 1961–1968. doi:http://dx.doi.org/10.1145/1388969.1389007. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1961.pdf.
- [Nowak et al.(2008)Nowak, Lamont and Peterson] Nowak, D.J., Lamont, G.B. and Peterson, G.L. (2008) 'Emergent architecture in self organized swarm systems for military applications'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC). Atlanta, GA, USA: ACM, pp. 1913–1920. doi:http://dx.doi.org/10.1145/1388969.1388999. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1913.pdf.
- [Orriols-Puig et al.(2008)Orriols-Puig, Casillas and Bernadó-Mansilla] Orriols-Puig, A., Casillas, J. and Bernadó-Mansilla, E. (2008) 'First approach toward on-line evolution of association rules with learning classifier systems'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Learning Classifier Systems. Atlanta, GA, USA: ACM, pp. 2031–2038. doi:http://dx.doi.org/10.1145/1388969.1389017. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2031.pdf.
- [Padhye(2008a)] Padhye, N. (2008a) 'Interplanetary trajectory optimization with swing-bys using evolutionary multi-objective optimization'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Undergraduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1835–1838. doi:http://dx.doi.org/10.1145/1388969.1388984. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1835.pdf.
- [Padhye(2008b)] Padhye, N. (2008b) 'Topology optimization of compliant mechanism using multi-objective particle swarm optimization'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Undergraduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1831–1834. doi:http://dx.doi.org/10.1145/1388969.1388983. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1831.pdf.

- [Paperin(2008)] Paperin, G. (2008) 'Using holey fitness landscapes to counteract premature convergence in evolutionary algorithms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1815–1818. doi:http://dx.doi.org/10.1145/1388969.1388978. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1815.pdf.
- [Parmee(2008)] Parmee, I.C. (2008) 'Evolutionary design search, exploration and optimisation'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2777-2804. doi:http://dx.doi.org/10.1145/1388969. 1389078. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2777.pdf.
- [Patton et al.(2008)Patton, Beckerman and Potok] Patton, R.M., Beckerman, B. and Potok, T.E. (2008) 'Analysis of mammography reports using maximum variation sampling'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation. Atlanta, GA, USA: ACM, pp. 2061–2064. doi:http://dx.doi.org/10.1145/1388969.1389022. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2061.pdf.
- [Paul et al.(2008)Paul, Ueno, Iwata, Hayashi and Honda] Paul, T.K., Ueno, K., Iwata, K., Hayashi, T. and Honda, N. (2008) 'Risk prediction and risk factors identification from imbalanced data with rpmbga+'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2193-2198. doi:http://dx.doi.org/10.1145/1388969.1389046. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2193.pdf.
- [Payne and Eppstein(2008)] Payne, J.L. and Eppstein, M.J. (2008) 'Parameterizing pair approximations for takeover dynamics'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2199-2204. doi:http://dx.doi.org/10.1145/1388969.1389047. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2199.pdf.
- [Pelikan(2008)] Pelikan, M. (2008) 'Probabilistic model-building genetic algorithms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2389-2416. doi:http://dx.doi.org/10.1145/1388969.1389060. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2389.pdf.
- [Peralta et al.(2008)Peralta, Gutierrez and Sanchis] Peralta, J., Gutierrez, G. and Sanchis, A. (2008)
 'Adann: automatic design of artificial neural networks'. In M. Ebner, M. Cattolico, J. van Hemert,
 S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand,
 S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni,
 M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Advanced Research
 Challenges in Financial Evolutionary Computing (ARC-FEC). Atlanta, GA, USA: ACM, pp.
 1863–1870. doi:http://dx.doi.org/10.1145/1388969.1388991. Available at: http://www.cs.bham.
 ac.uk/~wbl/biblio/gecco2008/docs/p1863.pdf.
- [Poli(2008)] Poli, R. (2008) 'Genetic programming theory'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand,

- S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) *GECCO-2008 tutorials*. Atlanta, GA, USA: ACM, pp. 2559–2588. doi:http://dx.doi.org/10.1145/1388969.1389068. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2559.pdf.
- [Ribeiro(2008)] Ribeiro, J.C.B. (2008) 'Search-based test case generation for object-oriented java software using strongly-typed genetic programming'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1819–1822. doi:http://dx.doi.org/10.1145/1388969.1388979. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1819.pdf.
- [Rodrigues Lima, Junior(2008)] Rodrigues Lima, Junior, A. (2008) 'A study for multi-objective fitness function for time series forecasting with intelligent techniques'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Undergraduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1843-1846. doi:http://dx.doi.org/10.1145/1388969.1388986. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1843.pdf.
- [Rosenberg et al.(2008)Rosenberg, Richards, Langton, Tenenbaum and Stouch] Rosenberg, B., Richards, M., Langton, J.T., Tenenbaum, S. and Stouch, D.W. (2008) 'Applications of multi-objective evolutionary algorithms to air operations mission planning'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC). Atlanta, GA, USA: ACM, pp. 1879–1886. doi:http://dx.doi.org/10.1145/1388969.1388994. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1879.pdf.
- [Rothlauf (2008)] Rothlauf, F. (2008) 'Representations for evolutionary algorithms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2613–2638. doi:http://dx.doi.org/10.1145/1388969.1389070. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2613.pdf.
- [Rowe(2008)] Rowe, J.E. (2008) 'Genetic algorithm theory'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2535-2558. doi:http://dx.doi.org/10.1145/1388969.1389067. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2535.pdf.
- [Salazar et al.(2008)Salazar, Rodriguez-Aguilar and Arcos] Salazar, N., Rodriguez-Aguilar, J.A. and Arcos, J.L. (2008) 'Infection-based self-configuration in agent societies'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS). Atlanta, GA, USA: ACM, pp. 1945–1952. doi:http://dx.doi.org/10.1145/1388969.1389005. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1945.pdf.
- [Santana-Quintero and Coello Coello (2008)] Santana-Quintero, L.V. and Coello Coello, C.A. (2008) 'Accelerating convergence using rough sets theory for multi-objective optimization problems'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B.

- Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1799–1802. doi: http://dx.doi.org/10.1145/1388969.1388974. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1799.pdf.
- [Sato et al.(2008)Sato, Aguirre and Tanaka] Sato, H., Aguirre, H.E. and Tanaka, K. (2008) 'Local dominance and controlling dominance area of solutions in multi and many objectives eas'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1811-1814. doi: http://dx.doi.org/10.1145/1388969.1388977. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1811.pdf.
- [Sewell and Yan(2008)] Sewell, M.V. and Yan, W. (2008) 'Ultra high frequency financial data'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC). Atlanta, GA, USA: ACM, pp. 1847–1850. doi:http://dx.doi.org/10.1145/1388969.1388988. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1847.pdf.
- [Shirakawa and Nagao(2008)] Shirakawa, S. and Nagao, T. (2008) 'Evolutionary algorithm considering program size: efficient program evolution using grape'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2217-2222. doi:http://dx.doi.org/10.1145/1388969.1389048. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2217.pdf.
- [Sichtig et al.(2008)Sichtig, Schaffer and Laramee] Sichtig, H., Schaffer, J.D. and Laramee, C.B. (2008) 'Ssnns -: a suite of tools to explore spiking neural networks'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1787–1790. doi:http://dx.doi.org/10.1145/1388969.1388971. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1787.pdf.
- [Sipper(2008)] Sipper, M. (2008) 'Evolutionary computation & games'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2741-2776. doi:http://dx.doi.org/10.1145/1388969.1389077. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2741.pdf.
- [Small(2008)] Small, R.K. (2008) 'Agent smith: a real-time game-playing agent for interactive dynamic games'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Undergraduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1839-1842. doi: http://dx.doi.org/10.1145/1388969.1388985. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1839.pdf.
- [Spector(2008)] Spector, L. (2008) 'Quantum computing'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA:

- ACM, pp. 2865-2894. doi:http://dx.doi.org/10.1145/1388969.1389082. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2865.pdf.
- [Squillero(2008)] Squillero, G. (2008) 'Ea-based test and verification of microprocessors'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2665-2688. doi:http://dx.doi.org/10.1145/1388969.1389073. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2665.pdf.
- [Squillero and Tonda(2008)] Squillero, G. and Tonda, A.P. (2008) 'A novel methodology for diversity preservation in evolutionary algorithms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) *GECCO-2008 Late-Breaking Papers*. Atlanta, GA, USA: ACM, pp. 2223–2226. doi:http://dx.doi.org/10.1145/1388969.1389049. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2223.pdf.
- [Stalph and Butz(2008)] Stalph, P. and Butz, M.V. (2008) 'Towards increasing learning speed and robustness of xcsf: experimenting with larger offspring set sizes'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Learning Classifier Systems. Atlanta, GA, USA: ACM, pp. 2023–2030. doi:http://dx.doi.org/10.1145/1388969.1389016. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2023.pdf.
- [Stanley(2008)] Stanley, K.O. (2008) 'Generative and developmental systems'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2849–2864. doi:http://dx.doi.org/10.1145/1388969.1389081. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2849.pdf.
- [Sullivan et al.(2008)Sullivan, Luke, Larock, Cier and Armentrout] Sullivan, K., Luke, S., Larock, C., Cier, S. and Armentrout, S. (2008) 'Opportunistic evolution: efficient evolutionary computation on large-scale computational grids'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2227–2232. doi:http://dx.doi.org/10.1145/1388969.1389050. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2227.pdf.
- [Tabacman et al.(2008) Tabacman, Krasnogor, Bacardit and Loiseau] Tabacman, M., Krasnogor, N., Bacardit, J. and Loiseau, I. (2008) 'Learning classifier systems for optimisation problems: a case study on fractal travelling salesman problem'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Learning Classifier Systems. Atlanta, GA, USA: ACM, pp. 2039–2046. doi:http://dx.doi.org/10.1145/1388969.1389018. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2039.pdf.
- [Talukder (2008)] Talukder, A.K.A. (2008) 'Towards high speed multiobjective evolutionary optimizers'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1791-1794. doi: http://dx.doi.org/10.1145/1388969.1388972. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p1791.pdf.

- [Thierens(2008)] Thierens, D. (2008) 'A bivariate probabilistic model-building genetic algorithm for graph bipartitioning'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Optimization by Building and Using Probabilistic Models (OBUPM). Atlanta, GA, USA: ACM, pp. 2089-2092. doi:http://dx.doi.org/10.1145/1388969.1389027. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2089.pdf.
- [Tran et al.(2008)Tran, Sanza and Duthen] Tran, T.H., Sanza, C. and Duthen, Y. (2008) 'Evolving prediction weights using evolution strategy'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Learning Classifier Systems. Atlanta, GA, USA: ACM, pp. 2009-2016. doi:http://dx.doi.org/10.1145/1388969. 1389014. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2009.pdf.
- [Vallim et al.(2008) Vallim, Goldberg, Llorà, Duque and Carvalho] Vallim, R.M., Goldberg, D.E., Llorà, X., Duque, T.S. and Carvalho, A.C. (2008) 'A new approach for multi-label classification based on default hierarchies and organizational learning'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: Learning Classifier Systems. Atlanta, GA, USA: ACM, pp. 2017–2022. doi:http://dx.doi.org/10.1145/1388969.1389015. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2017.pdf.
- [van Krevelen(2008)] van Krevelen, D.W.F. (2008) 'Specialization with neuroevolution in a collective behaviour task'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Graduate Student Workshops. Atlanta, GA, USA: ACM, pp. 1807-1810. doi: http://dx.doi.org/10.1145/1388969.1388976. Available at: http://www.cs.bham.ac.uk/~wbl/ biblio/gecco2008/docs/p1807.pdf.
- [Whitley(2008)] Whitley, D. (2008) 'No free lunch'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2589-2612. doi:http://dx.doi.org/10.1145/1388969.1389069. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2589.pdf.
- [Wilson and Kaur(2008)] Wilson, D. and Kaur, D. (2008) 'Using quotient graphs to model neutrality in evolutionary search'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2233-2238. doi:http://dx.doi.org/10.1145/1388969.1389051. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2233.pdf.
- [Wineberg and Christensen(2008)] Wineberg, M. and Christensen, S. (2008) 'An introduction to statistical analysis for evolutionary computation'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2639-2664. doi:http://dx.doi.org/10.1145/1388969.1389071. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2639.pdf.

- [Witt(2008)] Witt, C. (2008) 'Theory of randomised search heuristics in combinatorial optimisation: an algorithmic point of view'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2907-2946. doi: http://dx.doi.org/10.1145/1388969.1389084. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2907.pdf.
- [Yu et al.(2008)Yu, Zhou, Ye, Mabu, Shimada, Hirasawa and Markon] Yu, L., Zhou, J., Ye, F., Mabu, S., Shimada, K., Hirasawa, K. and Markon, S. (2008) 'Double-deck elevator system using genetic network programming with genetic operators based on pheromone information'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Late-Breaking Papers. Atlanta, GA, USA: ACM, pp. 2239–2244. doi:http://dx.doi.org/10.1145/1388969.1389052. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2239.pdf.
- [Zaharie et al.(2008)Zaharie, Lungeanu and Zamfirache] Zaharie, D., Lungeanu, D. and Zamfirache, F. (2008) 'Interactive search of rules in medical data using multiobjective evolutionary algorithms'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation. Atlanta, GA, USA: ACM, pp. 2065–2072. doi:http://dx.doi.org/10.1145/1388969. 1389023. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2065.pdf.
- [Zitzler and Deb(2008)] Zitzler, E. and Deb, K. (2008) 'Evolutionary multiobjective optimization'. In M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L.D. Merkle, F.W. Moore, C.B. Congdon, C.D. Clack, F.W. Moore, W. Rand, S.G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M.V. Butz, S.L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan and K. Sastry, (eds.) GECCO-2008 tutorials. Atlanta, GA, USA: ACM, pp. 2467-2486. doi:http://dx.doi.org/10.1145/1388969.1389064. Available at: http://www.cs.bham.ac.uk/~wbl/biblio/gecco2008/docs/p2467.pdf.