Список литературы

- [Acan & Unveren(2004)] Acan, A. & Unveren, A. (2004) An evolutionary constraint satisfaction solution for over the cell channel routing. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 838–849, Springer-Verlag, Seattle, WA, USA.
- [Adamopoulos et al. (2004) Adamopoulos, Harman & Hierons] Adamopoulos, K., Harman, M. & Hierons, R.M. (2004) How to overcome the equivalent mutant problem and achieve tailored selective mutation using co-evolution. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1338–1349, Springer-Verlag, Seattle, WA, USA.
- [Agarwal et al.(2004a)Agarwal, Lim, Chew, Poo, Er & Leong] Agarwal, A., Lim, M.H., Chew, C.Y., Poo, T.K., Er, M.J. & Leong, Y.K. (2004a) Solution to the fixed airbase problem for autonomous urav site visitation sequencing. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 850–858, Springer-Verlag, Seattle, WA, USA.
- [Agarwal et al.(2004b) Agarwal, Lim, Kyaw & Er] Agarwal, A., Lim, M.H., Kyaw, M.Y.W. & Er, M.J. (2004b) Inflight rerouting for an unmanned aerial vehicle. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 859–868, Springer-Verlag, Seattle, WA, USA.
- [Ali & Topchy(2004)] Ali, W. & Topchy, A. (2004) Memetic optimization of video chain designs. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 869–882, Springer-Verlag, Seattle, WA, USA.
- [Andrews & Salzberg(2004)] Andrews, M.W. & Salzberg, C. (2004) Sexual and asexual paradigms in evolution: The implications for genetic algorithms. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 379–380, Springer-Verlag, Seattle, WA, USA.
- [Antoniol et al.(2004)Antoniol, Penta & Harman] Antoniol, G., Penta, M.D. & Harman, M. (2004) Search-based techniques for optimizing software project resource allocation. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1425–1426, Springer-Verlag, Seattle, WA, USA.
- [Bacardit & Garrell(2004)] Bacardit, J. & Garrell, J.M. (2004) Analysis and improvements of the adaptive discretization intervals knowledge representation. *Genetic and Evolutionary Computation GECCO-2004, Part II* (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of *Lecture Notes in Computer Science*, pp. 726–738, Springer-Verlag, Seattle, WA, USA.

- [Bae & Moon(2004)] Bae, S.H. & Moon, B.R. (2004) Mutation rates in the context of hybrid genetic algorithms. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 381–382, Springer-Verlag, Seattle, WA, USA.
- [Balan & Luke(2004)] Balan, G.C. & Luke, S. (2004) A demonstration of neural programming applied to non-markovian problems. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 422–433, Springer-Verlag, Seattle, WA, USA.
- [Ballester & Carter(2004)] Ballester, P.J. & Carter, J.N. (2004) Tackling an inverse problem from the petroleum industry with a genetic algorithm for sampling. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1299–1300, Springer-Verlag, Seattle, WA, USA.
- [Bambha et al. (2004) Bambha, Bhattacharyya, Teich & Zitzler] Bambha, N.K., Bhattacharyya, S.S., Teich, J. & Zitzler, E. (2004) Systematic integration of parameterized local search techniques in evolutionary algorithms. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 383–384, Springer-Verlag, Seattle, WA, USA.
- [Bandte & Malinchik(2004)] Bandte, O. & Malinchik, S. (2004) A broad and narrow approach to interactive evolutionary design an aircraft design example. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 883–895, Springer-Verlag, Seattle, WA, USA.
- [Barbieri et al.(2004)Barbieri, Cagnoni & Colavolpe] Barbieri, A., Cagnoni, S. & Colavolpe, G. (2004) A genetic approach for generating good linear block error-correcting codes. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1301–1302, Springer-Verlag, Seattle, WA, USA.
- [Baresel et al.(2004)Baresel, Sthamer & Wegener] Baresel, A., Sthamer, H. & Wegener, J. (2004) Applying evolutionary testing to search for critical defects. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1427–1428, Springer-Verlag, Seattle, WA, USA.
- [Bernstein et al.(2004)Bernstein, Li, Ciesielski & Song] Bernstein, Y., Li, X., Ciesielski, V. & Song, A. (2004) Improving generalisation performance through multiobjective parsimony enforcement. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 702–703, Springer-Verlag, Seattle, WA, USA.
- [Bhanu et al.(2004)Bhanu, Yu, Tan & Lin] Bhanu, B., Yu, J., Tan, X. & Lin, Y. (2004) Feature synthesis using genetic programming for face expression recognition. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke,

- P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of *Lecture Notes in Computer Science*, pp. 896–907, Springer-Verlag, Seattle, WA, USA.
- [Branke et al.(2004)Branke, Funes & Thiele] Branke, J., Funes, P. & Thiele, F. (2004) Evolving enroute caching strategies for the internet. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 434–446, Springer-Verlag, Seattle, WA, USA.
- [Bui & Youssef(2004)] Bui, T.N. & Youssef, W.A. (2004) An enhanced genetic algorithm for dna sequencing by hybridization with positive and negative errors. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 908–919, Springer-Verlag, Seattle, WA, USA.
- [Butz et al.(2004a)Butz, Goldberg & Lanzi] Butz, M.V., Goldberg, D.E. & Lanzi, P.L. (2004a) Bounding learning time in xcs. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 739–750, Springer-Verlag, Seattle, WA, USA.
- [Butz et al.(2004b)Butz, Goldberg & Lanzi] Butz, M.V., Goldberg, D.E. & Lanzi, P.L. (2004b) Gradient-based learning updates improve xcs performance in multistep problems. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 751–762, Springer-Verlag, Seattle, WA, USA.
- [Chen et al.(2004)Chen, Yang, Tsai & Kao] Chen, Y.C., Yang, J.M., Tsai, C.H. & Kao, C.Y. (2004) Comparative molecular binding energy analysis of hiv-1 protease inhibitors using genetic algorithm-based partial least squares method. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 385–386, Springer-Verlag, Seattle, WA, USA.
- [Chia & Tan(2004)] Chia, H.W.K. & Tan, C.L. (2004) Confidence and support classification using genetically programmed neural logic networks. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 836–837, Springer-Verlag, Seattle, WA, USA.
- [Choi & Moon(2004)] Choi, Y.S. & Moon, B.R. (2004) Genetic fuzzy discretization for classification problems. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1303–1304, Springer-Verlag, Seattle, WA, USA.
- [Dallaali & Premaratne(2004)] Dallaali, M.A. & Premaratne, M. (2004) Controlled content crossover: A new crossover scheme and its application to optical network component allocation problem. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 387–389, Springer-Verlag, Seattle, WA, USA.

- [de Silva Garza & Lores(2004)] de Silva Garza, A.G. & Lores, A.Z. (2004) Automating evolutionary art in the style of mondrian. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 394–395, Springer-Verlag, Seattle, WA, USA.
- [Deb et al.(2004)Deb, Mitra, Dewri & Majumdar] Deb, K., Mitra, K., Dewri, R. & Majumdar, S. (2004) Unveiling optimal operating conditions for an epoxy polymerization process using multi-objective evolutionary computation. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 920–931, Springer-Verlag, Seattle, WA, USA.
- [Dempsey et al.(2004)Dempsey, O'Neill & Brabazon] Dempsey, I., O'Neill, M. & Brabazon, A. (2004) Grammatical constant creation. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 447–458, Springer-Verlag, Seattle, WA, USA.
- [Derderian et al.(2004)Derderian, Hierons, Harman & Guo] Derderian, K., Hierons, R.M., Harman, M. & Guo, Q. (2004) Input sequence generation for testing of communicating finite state machines (cfsms). Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1429–1430, Springer-Verlag, Seattle, WA, USA.
- [Devireddy & Reed(2004)] Devireddy, V. & Reed, P. (2004) Efficient and reliable evolutionary multiobjective optimization using e-dominance archiving and adaptive population sizing. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 390–391, Springer-Verlag, Seattle, WA, USA.
- [Elliott et al.(2004a) Elliott, Ingham, Kyne, Mera, Pourkashanian & Whittaker] Elliott, L., Ingham, D.B., Kyne, A.G., Mera, N.S., Pourkashanian, M. & Whittaker, S. (2004a) Efficient clustering-based genetic algorithms in chemical kinetic modelling. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 932–944, Springer-Verlag, Seattle, WA, USA.
- [Elliott et al.(2004b)Elliott, Ingham, Kyne, Mera, Pourkashanian & Wilson] Elliott, L., Ingham, D.B., Kyne, A.G., Mera, N.S., Pourkashanian, M. & Wilson, C.W. (2004b) An informed operator based genetic algorithm for tuning the reaction rate parameters of chemical kinetics mechanisms. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 945–956, Springer-Verlag, Seattle, WA, USA.
- [Eskridge & Hougen(2004)] Eskridge, B.E. & Hougen, D.F. (2004) Memetic crossover for genetic programming: Evolution through imitation. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 459–470, Springer-Verlag, Seattle, WA, USA.

- [Fernandez(2004)] Fernandez, T. (2004) Virtual ramping of genetic programming populations. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 471–482, Springer-Verlag, Seattle, WA, USA.
- [Fernlund & Gonzalez(2004)] Fernlund, H. & Gonzalez, A.J. (2004) Using gp to model contextual human behavior. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 704–705, Springer-Verlag, Seattle, WA, USA.
- [Ferrandi et al.(2004)Ferrandi, Lanzi & Sciuto] Ferrandi, F., Lanzi, P.L. & Sciuto, D. (2004) System level hardware-software design exploration with xcs. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 763-773, Springer-Verlag, Seattle, WA, USA.
- [Ferreira & Vergilio(2004)] Ferreira, L.P. & Vergilio, S.R. (2004) Tdsgen: An environment based on hybrid genetic algorithms for generation of test data. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1431–1432, Springer-Verlag, Seattle, WA, USA.
- [Frommer et al.(2004)Frommer, Golden & Pundoor] Frommer, I., Golden, B. & Pundoor, G. (2004) Heuristic methods for solving euclidean non-uniform steiner tree problems. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 392–393, Springer-Verlag, Seattle, WA, USA.
- [Fukunaga(2004)] Fukunaga, A.S. (2004) Evolving local search heuristics for sat using genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 483–494, Springer-Verlag, Seattle, WA, USA.
- [Gomez & Miikkulainen(2004)] Gomez, F.J. & Miikkulainen, R. (2004) Transfer of neuroevolved controllers in unstable domains. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 957–968, Springer-Verlag, Seattle, WA, USA.
- [González et al.(2004)González, Romero & Brizuela] González, L.C., Romero, H.J. & Brizuela, C.A. (2004) A genetic algorithm for the shortest common superstring problem. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1305–1306, Springer-Verlag, Seattle, WA, USA.
- [Grasemann & Miikkulainen(2004)] Grasemann, U. & Miikkulainen, R. (2004) Evolving wavelets using a coevolutionary genetic algorithm and lifting. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 969–980, Springer-Verlag, Seattle, WA, USA.

- [Hamza & Saitou(2004)] Hamza, K. & Saitou, K. (2004) Optimization of constructive solid geometry via a tree-based multi-objective genetic algorithm. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 981–992, Springer-Verlag, Seattle, WA, USA.
- [Handa(2004)] Handa, H. (2004) Mutation can improve the search capability of estimation of distribution algorithms. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 396–397, Springer-Verlag, Seattle, WA, USA.
- [Harmon et al.(2004)Harmon, Rodríguez, Zhong & Hsu] Harmon, S., Rodríguez, E., Zhong, C. & Hsu, W. (2004) A comparison of hybrid incremental reuse strategies for reinforcement learning in genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 706-707, Springer-Verlag, Seattle, WA, USA.
- [Hercog(2004)] Hercog, L.M. (2004) Co-evolutionary agent self-organization for city traffic congestion modeling. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 993–1004, Springer-Verlag, Seattle, WA, USA.
- [Hoai & McKay(2004)] Hoai, N.X. & McKay, R. (2004) Softening the structural difficulty in genetic programming with tag-based representation and insertion/deletion operators. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 605–616, Springer-Verlag, Seattle, WA, USA.
- [Hodjat et al.(2004)Hodjat, Ito & Amamiya] Hodjat, B., Ito, J. & Amamiya, M. (2004) A genetic algorithm to improve agent-oriented natural language interpreters. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1307–1309, Springer-Verlag, Seattle, WA, USA.
- [Hong et al.(2004)Hong, Kwong & Wang] Hong, Q., Kwong, S. & Wang, H. (2004) Optimization of gaussian mixture model parameters for speaker identification. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1310–1311, Springer-Verlag, Seattle, WA, USA.
- [Hornby(2004)] Hornby, G.S. (2004) Shortcomings with tree-structured edge encodings for neural networks. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 495–506, Springer-Verlag, Seattle, WA, USA.
- [Huang & Sun(2004)] Huang, C.Y. & Sun, C.T. (2004) Parameter adaptation within co-adaptive learning classifier systems. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens &

- A. Tyrrell), vol. 3103 of *Lecture Notes in Computer Science*, pp. 774–784, Springer-Verlag, Seattle, WA, USA.
- [Hussain et al.(2004)Hussain, Montana & Vidaver] Hussain, T., Montana, D. & Vidaver, G. (2004)
 Evolution-based deliberative planning for cooperating unmanned ground vehicles in a dynamic environment. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1017–1029, Springer-Verlag, Seattle, WA, USA.
- [Janikow(2004)] Janikow, C.Z. (2004) Adapting representation in genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 507–518, Springer-Verlag, Seattle, WA, USA.
- [Jung & Reggia(2004)] Jung, J.Y. & Reggia, J.A. (2004) A descriptive encoding language for evolving modular neural networks. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 519–530, Springer-Verlag, Seattle, WA, USA.
- [Kamalian et al.(2004)Kamalian, Takagi & Agogino] Kamalian, R., Takagi, H. & Agogino, A.M. (2004) Optimized design of mems by evolutionary multi-objective optimization with interactive evolutionary computation. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1030–1041, Springer-Verlag, Seattle, WA, USA.
- [Keedwell & Khu(2004)] Keedwell, E. & Khu, S.T. (2004) Hybrid genetic algorithms for multiobjective optimisation of water distribution networks. *Genetic and Evolutionary Computation – GECCO-2004, Part II* (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of *Lecture Notes in Computer Science*, pp. 1042–1053, Springer-Verlag, Seattle, WA, USA.
- [Keijzer et al.(2004)Keijzer, Ryan & Cattolico] Keijzer, M., Ryan, C. & Cattolico, M. (2004) Run transferable libraries learning functional bias in problem domains. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 531–542, Springer-Verlag, Seattle, WA, USA.
- [Kim et al.(2004a)Kim, Choi & Moon] Kim, J.H., Choi, S.S. & Moon, B.R. (2004a) Neural network normalization for genetic search. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 398–399, Springer-Verlag, Seattle, WA, USA.
- [Kim et al.(2004b)Kim, Kim & Moon] Kim, J.P., Kim, Y.H. & Moon, B.R. (2004b) A hybrid genetic approach for circuit bipartitioning. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1054–1064, Springer-Verlag, Seattle, WA, USA.

- [Kim & Moon(2004a)] Kim, Y.H. & Moon, B.R. (2004a) Distance measures in genetic algorithms.
 Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 400-401, Springer-Verlag, Seattle, WA, USA.
- [Kim & Moon(2004b)] Kim, Y.H. & Moon, B.R. (2004b) Lagrange multiplier method for multicampaign assignment problem. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1065–1077, Springer-Verlag, Seattle, WA, USA.
- [Kirshenbaum & Suermondt(2004)] Kirshenbaum, E. & Suermondt, H.J. (2004) Using genetic programming to obtain a closed-form approximation to a recursive function. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 543-556, Springer-Verlag, Seattle, WA, USA.
- [Kleeman et al.(2004)Kleeman, Day & Lamont] Kleeman, M.P., Day, R.O. & Lamont, G.B. (2004) Analysis of a parallel moea solving the multi-objective quadratic assignment problem. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 402–403, Springer-Verlag, Seattle, WA, USA.
- [Kordon et al.(2004)Kordon, Jordaan, Chew, Smits, Bruck, Haney & Jenings] Kordon, A., Jordaan, E., Chew, L., Smits, G., Bruck, T., Haney, K. & Jenings, A. (2004) Biomass inferential sensor based on ensemble of models generated by genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1078–1089, Springer-Verlag, Seattle, WA, USA.
- [Kovacs & Kerber (2004)] Kovacs, T. & Kerber, M. (2004) High classification accuracy does not imply effective genetic search. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 785–796, Springer-Verlag, Seattle, WA, USA.
- [Kowaliw et al.(2004)Kowaliw, Kharma, Jensen, Moghnieh & Yao] Kowaliw, T., Kharma, N., Jensen, C., Moghnieh, H. & Yao, J. (2004) Cellnet co-ev: Evolving better pattern recognizers using competitive co-evolution. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1090–1101, Springer-Verlag, Seattle, WA, USA.
- [Kwon & Moon(2004a)]
 Kwon, Y.K. & Moon, B.R. (2004a)
 Evolutionary ensemble for stock prediction. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1102–1113, Springer-Verlag, Seattle, WA, USA.
- [Kwon & Moon(2004b)] Kwon, Y.K. & Moon, B.R. (2004b) Evolving features in neural networks for system identification. *Genetic and Evolutionary Computation GECCO-2004, Part II* (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano,

- J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of *Lecture Notes in Computer Science*, pp. 404–405, Springer-Verlag, Seattle, WA, USA.
- [Lam & Ciesielski(2004)] Lam, B. & Ciesielski, V. (2004) Discovery of human-competitive image texture feature extraction programs using genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1114–1125, Springer-Verlag, Seattle, WA, USA.
- [Lammermann et al.(2004)Lammermann, Baresel & Wegener] Lammermann, F., Baresel, A. & Wegener, J. (2004) Evaluating evolutionary testability with software-measurements. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1350–1362, Springer-Verlag, Seattle, WA, USA.
- [Lefort et al.(2004)Lefort, Knibbe, Beslon & Favrel] Lefort, V., Knibbe, C., Beslon, G. & Favrel, J. (2004) A bio-inspired genetic algorithm with a self-organizing genome: The rbf-gene model. Genetic and Evolutionary Computation - GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 406-407, Springer-Verlag, Seattle, WA, USA.
- [Leier & Banzhaf(2004)] Leier, A. & Banzhaf, W. (2004) Comparison of selection strategies for evolutionary quantum circuit design. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 557–568, Springer-Verlag, Seattle, WA, USA.
- [Leon et al.(2004)Leon, Nasraoui & Gomez] Leon, E., Nasraoui, O. & Gomez, J. (2004) Network intrusion detection using genetic clustering. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1312–1313, Springer-Verlag, Seattle, WA, USA.
- [Liang et al.(2004)Liang, Leung & Mok] Liang, Y., Leung, K.S. & Mok, T.S.K. (2004) Evolutionary drug scheduling model for cancer chemotherapy. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1126–1137, Springer-Verlag, Seattle, WA, USA.
- [Liu & Iba(2004)] Liu, H. & Iba, H. (2004) Humanoid robot programming based on cbr augmented gp. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 708–709, Springer-Verlag, Seattle, WA, USA.
- [Liu & Buller(2004)] Liu, J. & Buller, A. (2004) Evolving spike-train processors. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 408–409, Springer-Verlag, Seattle, WA, USA.
- [Llorá et al.(2004)Llorá, Ohnishi, ping Chen, Goldberg & Welge] Llorá, X., Ohnishi, K., ping Chen, Y., Goldberg, D.E. & Welge, M.E. (2004) Enhanced innovation: A fusion of chance discovery

- and evolutionary computation to foster creative processes and decision making. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1314–1315, Springer-Verlag, Seattle, WA, USA.
- [Llorà & Wilson(2004)] Llorà, X. & Wilson, S.W. (2004) Mixed decision trees: Minimizing knowledge representation bias in lcs. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 797–809, Springer-Verlag, Seattle, WA, USA.
- [Lloyd et al.(2004)Lloyd, Johnston & Salhi] Lloyd, L.D., Johnston, R.L. & Salhi, S. (2004) Development of a genetic algorithm for optimization of nanoalloys. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1316–1317, Springer-Verlag, Seattle, WA, USA.
- [Lobo(2004)] Lobo, F.G. (2004) A philosophical essay on life and its connections with genetic algorithms. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 410-411, Springer-Verlag, Seattle, WA, USA.
- [Lobo et al.(2004)Lobo, Lima & Mártires] Lobo, F.G., Lima, C.F. & Mártires, H. (2004) An architecture for massive parallelization of the compact genetic algorithm. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 412–413, Springer-Verlag, Seattle, WA, USA.
- [Lu & Areibi(2004)] Lu, G. & Areibi, S. (2004) An island-based ga implementation for vlsi standard-cell placement. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1138–1150, Springer-Verlag, Seattle, WA, USA.
- [Mabu et al.(2004)Mabu, Hirasawa & Hu] Mabu, S., Hirasawa, K. & Hu, J. (2004) Genetic network programming with reinforcement learning and its performance evaluation. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 710–711, Springer-Verlag, Seattle, WA, USA.
- [Malinchik & Bonabeau(2004)] Malinchik, S. & Bonabeau, E. (2004) Exploratory data analysis with interactive evolution. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1151–1161, Springer-Verlag, Seattle, WA, USA.
- [Martikainen & Ovaska(2004)] Martikainen, J. & Ovaska, S.J. (2004) Designing multiplicative general parameter filters using adaptive genetic algorithms. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1162–1176, Springer-Verlag, Seattle, WA, USA.

- [Maslov(2004)] Maslov, I.V. (2004) Reducing the cost of the hybrid evolutionary algorithm with image local response in electronic imaging. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1177–1188, Springer-Verlag, Seattle, WA, USA.
- [Massey et al.(2004)Massey, Clark & Stepney] Massey, P., Clark, J.A. & Stepney, S. (2004) Evolving quantum circuits and programs through genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 569–580, Springer-Verlag, Seattle, WA, USA.
- [Matsui et al.(2004)Matsui, Watanabe & ichi Tokoro] Matsui, S., Watanabe, I. & ichi Tokoro, K. (2004) Empirical performance evaluation of a parameter-free ga for jssp. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1318–1319, Springer-Verlag, Seattle, WA, USA.
- [McIntyre & Heywood(2004)] McIntyre, A. & Heywood, M. (2004) On multi-class classification by way of niching. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 581–592, Springer-Verlag, Seattle, WA, USA.
- [McMinn & Holcombe(2004)] McMinn, P. & Holcombe, M. (2004) Hybridizing evolutionary testing with the chaining approach. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1363–1374, Springer-Verlag, Seattle, WA, USA.
- [McPhee et al.(2004)McPhee, Jarvis & Crane] McPhee, N.F., Jarvis, A. & Crane, E.F. (2004) On the strength of size limits in linear genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 593-604, Springer-Verlag, Seattle, WA, USA.
- [Mitchell et al.(2004)Mitchell, Mancoridis & Traverso] Mitchell, B.S., Mancoridis, S. & Traverso, M. (2004) Using interconnection style rules to infer software architecture relations. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1375–1387, Springer-Verlag, Seattle, WA, USA.
- [Mohr & Li(2004)] Mohr, J. & Li, X. (2004) A caching genetic algorithm for spectral breakpoint matching. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1320–1321, Springer-Verlag, Seattle, WA, USA.
- [Moore et al.(2004)Moore, Williams & Sheppard] Moore, R.L., Williams, A. & Sheppard, J. (2004) Multi-agent simulation of airline travel markets. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1322–1323, Springer-Verlag, Seattle, WA, USA.

- [Murata & Nakamura(2004)] Murata, T. & Nakamura, T. (2004) Multi-agent cooperation using genetic network programming with automatically defined groups. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 712–714, Springer-Verlag, Seattle, WA, USA.
- [Nagata(2004)] Nagata, Y. (2004) The lens design using the cma-es algorithm. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1189–1200, Springer-Verlag, Seattle, WA, USA.
- [Nasraoui & Leon(2004)] Nasraoui, O. & Leon, E. (2004) Improved niching and encoding strategies for clustering noisy data sets. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1324–1325, Springer-Verlag, Seattle, WA, USA.
- [Northern & Shanblatt(2004)] Northern, J. & Shanblatt, M. (2004) A multi-objective approach to configuring embedded system architectures. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1326–1327, Springer-Verlag, Seattle, WA, USA.
- [O'Neill et al.(2004)O'Neill, Brabazon, Nicolau, Garraghy & Keenan] O'Neill, M., Brabazon, A., Nicolau, M., Garraghy, S.M. & Keenan, P. (2004) πgrammatical evolution. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 617–629, Springer-Verlag, Seattle, WA, USA.
- [Panait & Luke(2004)] Panait, L. & Luke, S. (2004) Alternative bloat control methods. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 630–641, Springer-Verlag, Seattle, WA, USA.
- [Paz-Ramos et al.(2004)Paz-Ramos, Torres-Jimenez, Quintero-Marmol-Marquez & Estrada-Esquivel]
 Paz-Ramos, M.A., Torres-Jimenez, J., Quintero-Marmol-Marquez, E. & Estrada-Esquivel, H.
 (2004) Pid controller tuning for stable and unstable processes applying ga. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1–10, Springer-Verlag, Seattle, WA, USA.
- [Pedersen & Goldberg(2004)] Pedersen, G.K. & Goldberg, D.E. (2004) Dynamic uniform scaling for multiobjective genetic algorithms. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 11–23, Springer-Verlag, Seattle, WA, USA.
- [Pelikan & Lin(2004)] Pelikan, M. & Lin, T.K. (2004) Parameter-less hierarchical boa. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 24–35, Springer-Verlag, Seattle, WA, USA.

- [Pelikan et al.(2004)Pelikan, Ocenasek, Trebst, Troyer & Alet] Pelikan, M., Ocenasek, J., Trebst, S., Troyer, M. & Alet, F. (2004) Computational complexity and simulation of rare events of ising spin glasses. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 36–47, Springer-Verlag, Seattle, WA, USA.
- [Pelikan & Sastry(2004)] Pelikan, M. & Sastry, K. (2004) Fitness inheritance in the bayesian optimization algorithm. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 48–59, Springer-Verlag, Seattle, WA, USA.
- [Piaseczny et al.(2004)Piaseczny, Suzuki & Sawai] Piaseczny, W., Suzuki, H. & Sawai, H. (2004) Chemical genetic programming – coevolution between genotypic strings and phenotypic trees. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 715–716, Springer-Verlag, Seattle, WA, USA.
- [Pilat & Oppacher(2004)] Pilat, M.L. & Oppacher, F. (2004) Robotic control using hierarchical genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 642–653, Springer-Verlag, Seattle, WA, USA.
- [Quan & Soule(2004)] Quan, W. & Soule, T. (2004) A study of the role of single node mutation in genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 717–718, Springer-Verlag, Seattle, WA, USA.
- [Rashidi & Rashidi(2004)] Rashidi, F. & Rashidi, M. (2004) Limit cycle prediction in multivariable nonlinear systems using genetic algorithms. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 60–68, Springer-Verlag, Seattle, WA, USA.
- [Reisinger et al.(2004) Reisinger, Stanley & Miikkulainen]
 Reisinger, J., Stanley, K.O. & Miikkulainen,
 R. (2004) Evolving reusable neural modules. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta,
 D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi,
 D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 69–81, Springer-Verlag, Seattle, WA, USA.
- [Renslow et al.(2004)Renslow, Hinkemeyer & Julstrom] Renslow, M.A., Hinkemeyer, B. & Julstrom, B.A. (2004) How are we doing? predicting evolutionary algorithm performance. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 82–89, Springer-Verlag, Seattle, WA, USA.
- [Rigal et al.(2004)Rigal, Castanier & ppe Castagliola] Rigal, L., Castanier, B. & ppe Castagliola, P. (2004) Introduction of a new selection parameter in genetic algorithm for constrained reliability design problems. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster,

- M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of *Lecture Notes in Computer Science*, pp. 90–101, Springer-Verlag, Seattle, WA, USA.
- [Rodriguez-Tello & Torres-Jimenez (2004)] Rodriguez-Tello, E. & Torres-Jimenez, J. (2004) Improving the performance of a genetic algorithm using a variable-reordering algorithm. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 102–113, Springer-Verlag, Seattle, WA, USA.
- [Rodríguez-Vázquez & Oliver-Morales (2004)] Rodríguez-Vázquez, K. & Oliver-Morales, C. (2004) Multi-branches genetic programming as a tool for function approximation. *Genetic and Evolutionary Computation GECCO-2004, Part II* (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of *Lecture Notes in Computer Science*, pp. 719–721, Springer-Verlag, Seattle, WA, USA.
- [Rotar(2004)] Rotar, C. (2004) An evolutionary technique for multicriterial optimization based on endocrine paradigm. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 414–415, Springer-Verlag, Seattle, WA, USA.
- [Ryan et al.(2004)Ryan, Majeed & Azad] Ryan, C., Majeed, H. & Azad, A. (2004) A competitive building block hypothesis. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 654–665, Springer-Verlag, Seattle, WA, USA.
- [Sanderson(2004)] Sanderson, R. (2004) Automatic synthesis of an 802.11a wireless lan antenna using genetic programming a real world application. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1201–1213, Springer-Verlag, Seattle, WA, USA.
- [Sastry & Goldberg(2004a)] Sastry, K. & Goldberg, D.E. (2004a) Designing competent mutation operators via probabilistic model building of neighborhoods. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 114–125, Springer-Verlag, Seattle, WA, USA.
- [Sastry & Goldberg(2004b)] Sastry, K. & Goldberg, D.E. (2004b) Let's get ready to rumble: Crossover versus mutation head to head. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 126–137, Springer-Verlag, Seattle, WA, USA.
- [Sato(2004)] Sato, Y. (2004) Achieving shorter search times in voice conversion using interactive evolution. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1328–1329, Springer-Verlag, Seattle, WA, USA.
- [Schmitt(2004)] Schmitt, L.M. (2004) Classification with scaled genetic algorithms in a coevolutionary setting. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli,

- W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of *Lecture Notes in Computer Science*, pp. 138–149, Springer-Verlag, Seattle, WA, USA.
- [Seo et al.(2004a)Seo, Choi & Moon] Seo, D.I., Choi, S.S. & Moon, B.R. (2004a) New epistasis measures for detecting independently optimizable partitions of variables. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 150–161, Springer-Verlag, Seattle, WA, USA.
- [Seo et al.(2004b)Seo, Hu, Fan, Goodman & Rosenberg] Seo, K., Hu, J., Fan, Z., Goodman, E.D. & Rosenberg, R.C. (2004b) Hierarchical breeding control for efficient topology/parameter evolution. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 722–723, Springer-Verlag, Seattle, WA, USA.
- [Sheng et al.(2004)Sheng, Tucker & Liu] Sheng, W., Tucker, A. & Liu, X. (2004) Clustering with niching genetic k-means algorithm. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 162–173, Springer-Verlag, Seattle, WA, USA.
- [Sigaud et al.(2004)Sigaud, Gourdin & Wuillemin] Sigaud, O., Gourdin, T. & Wuillemin, P.H. (2004) Improving macs thanks to a comparison with 2tbns. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 810–823, Springer-Verlag, Seattle, WA, USA.
- [Silva & Costa(2004)] Silva, S. & Costa, E. (2004) Dynamic limits for bloat control: Variations on size and depth. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 666–677, Springer-Verlag, Seattle, WA, USA.
- [Sim et al.(2004)Sim, Jung, Kim & Park] Sim, E., Jung, S., Kim, H. & Park, J. (2004) A generic network design for a closed-loop supply chain using genetic algorithm. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1214–1225, Springer-Verlag, Seattle, WA, USA.
- [Soltoggio(2004)] Soltoggio, A. (2004) A comparison of genetic programming and genetic algorithms in the design of a robust, saturated control system. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 174–185, Springer-Verlag, Seattle, WA, USA.
- [Stanley & Miikkulainen(2004)] Stanley, K.O. & Miikkulainen, R. (2004) Evolving a roving eye for go. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1226–1238, Springer-Verlag, Seattle, WA, USA.
- [Stephens et al. (2004) Stephens, Waelbroeck, Talley, Cruz & Ash] Stephens, C., Waelbroeck, H., Talley, S., Cruz, R. & Ash, A. (2004) Predicting healthcare costs using classifiers. Genetic and

- Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1330–1331, Springer-Verlag, Seattle, WA, USA.
- [Streeter(2004)] Streeter, M.J. (2004) Upper bounds on the time and space complexity of optimizing additively separable functions. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 186–197, Springer-Verlag, Seattle, WA, USA.
- [Streichert et al.(2004)Streichert, Ulmer & Zell] Streichert, F., Ulmer, H. & Zell, A. (2004) Comparing discrete and continuous genotypes on the constrained portfolio selection problem. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1239–1250, Springer-Verlag, Seattle, WA, USA.
- [Stringer & Wu(2004)] Stringer, H. & Wu, A.S. (2004) Winnowing wheat from chaff: The chunking ga. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 198–209, Springer-Verlag, Seattle, WA, USA.
- [Taniguchi & Terano(2004)] Taniguchi, K. & Terano, T. (2004) Keeping the diversity with small populations using logic-based genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 724–725, Springer-Verlag, Seattle, WA, USA.
- [Tavares et al.(2004) Tavares, Pereira & Costa] Tavares, J., Pereira, F.B. & Costa, E. (2004) Evolving golomb rulers. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 416–417, Springer-Verlag, Seattle, WA, USA.
- [Tay & Wibowo(2004)] Tay, J.C. & Wibowo, D. (2004) An effective chromosome representation for evolving flexible job shop schedules. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 210–221, Springer-Verlag, Seattle, WA, USA.
- [Terrio & Heywood(2004)] Terrio, M.D. & Heywood, M.I. (2004) On naive crossover biases with reproduction for simple solutions to classification problems. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 678–689, Springer-Verlag, Seattle, WA, USA.
- [Tettamanzi et al.(2004)Tettamanzi, Sammartino, Simonov, Soroldoni & Beretta] Tettamanzi, A., Sammartino, L., Simonov, M., Soroldoni, M. & Beretta, M. (2004) Learning environment for life time value calculation of customers in insurance domain. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1251–1262, Springer-Verlag, Seattle, WA, USA.

- [Tezuka et al.(2004) Tezuka, Munetomo & Akama] Tezuka, M., Munetomo, M. & Akama, K. (2004) Linkage identification by nonlinearity check for real-coded genetic algorithms. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 222–233, Springer-Verlag, Seattle, WA, USA.
- [Thierens(2004)] Thierens, D. (2004) Population-based iterated local search: Restricting neighborhood search by crossover. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 234–245, Springer-Verlag, Seattle, WA, USA.
- [Tsuji et al.(2004)Tsuji, Munetomo & Akama] Tsuji, M., Munetomo, M. & Akama, K. (2004) Modeling dependencies of loci with string classification according to fitness differences. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 246–257, Springer-Verlag, Seattle, WA, USA.
- [Tulai & Oppacher(2004)] Tulai, A.F. & Oppacher, F. (2004) Multiple species weighted voting a genetics-based machine learning system. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1263–1274, Springer-Verlag, Seattle, WA, USA.
- [Tzschoppe et al.(2004)Tzschoppe, Rothlauf & Pesch] Tzschoppe, C., Rothlauf, F. & Pesch, H.J. (2004) The edge-set encoding revisited: On the bias of a direct representation for trees. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 258–270, Springer-Verlag, Seattle, WA, USA.
- [Uyar et al.(2004)Uyar, Sariel & Eryigit] Uyar, S., Sariel, S. & Eryigit, G. (2004) A gene based adaptive mutation strategy for genetic algorithms. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 271–281, Springer-Verlag, Seattle, WA, USA.
- [Vanneschi et al.(2004) Vanneschi, Clergue, Collard, Tomassini & Vérel] Vanneschi, L., Clergue, M., Collard, P., Tomassini, M. & Vérel, S. (2004) Fitness clouds and problem hardness in genetic programming. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 690–701, Springer-Verlag, Seattle, WA, USA.
- [Ványi(2004)] Ványi, R. (2004) Object oriented design and implementation of a general evolutionary algorithm. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1275–1286, Springer-Verlag, Seattle, WA, USA.
- [Vivanco & Pizzi(2004)] Vivanco, R. & Pizzi, N. (2004) Finding effective software metrics to classify maintainability using a parallel genetic algorithm. *Genetic and Evolutionary Computation GECCO-2004, Part II* (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector,

- A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1388–1399, Springer-Verlag, Seattle, WA, USA.
- [Vogts & Pope(2004)] Vogts, K. & Pope, N. (2004) Generating compact rough cluster descriptions using an evolutionary algorithm. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1332–1333, Springer-Verlag, Seattle, WA, USA.
- [Wedde et al.(2004)Wedde, Farooq & Lischka] Wedde, H.F., Farooq, M. & Lischka, M. (2004) An evolutionary meta hierarchical scheduler for the linux operating system. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1334–1335, Springer-Verlag, Seattle, WA, USA.
- [Wegener & Bühler(2004)] Wegener, J. & Bühler, O. (2004) Evaluation of different fitness functions for the evolutionary testing of an autonomous parking system. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1400–1412, Springer-Verlag, Seattle, WA, USA.
- [Weinert & Stautner(2004)] Weinert, K. & Stautner, M. (2004) Generating multiaxis tool paths for die and mold making with evolutionary algorithms. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1287–1298, Springer-Verlag, Seattle, WA, USA.
- [Whitley et al. (2004a) Whitley, Bush & Rowe] Whitley, D., Bush, K. & Rowe, J. (2004a) Subthreshold-seeking behavior and robust local search. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 282–293, Springer-Verlag, Seattle, WA, USA.
- [Whitley et al.(2004b)Whitley, Lunacek & Knight] Whitley, D., Lunacek, M. & Knight, J. (2004b)
 Ruffled by ridges: How evolutionary algorithms can fail. Genetic and Evolutionary Computation
 GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen,
 D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector,
 A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science,
 pp. 294-306, Springer-Verlag, Seattle, WA, USA.
- [Willis-Ford & Soule(2004)] Willis-Ford, C. & Soule, T. (2004) Non-stationary subtasks can improve diversity in stationary tasks. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 307–317, Springer-Verlag, Seattle, WA, USA.
- [Wilson(2004)] Wilson, S.W. (2004) Classifier systems for continuous payoff environments. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 824–835, Springer-Verlag, Seattle, WA, USA.
- [Wineberg & Chen(2004)] Wineberg, M. & Chen, J. (2004) The shifting balance genetic algorithm as more than just another island model ga. Genetic and Evolutionary Computation GECCO-2004,

- Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 318–329, Springer-Verlag, Seattle, WA, USA.
- [Wright & Cripe(2004)] Wright, A. & Cripe, G. (2004) Bistability of the needle function in the presence of truncation selection. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 330–342, Springer-Verlag, Seattle, WA, USA.
- [Wright et al.(2004)Wright, Poli, Stephens, Langdon & Pulavarty] Wright, A., Poli, R., Stephens, C.R., Langdon, W. & Pulavarty, S. (2004) An estimation of distribution algorithm based on maximum entropy. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 343–354, Springer-Verlag, Seattle, WA, USA.
- [Wu et al.(2004)Wu, Tang, Zou, Kang & Li] Wu, Z., Tang, Z., Zou, J., Kang, L. & Li, M. (2004) An evolutionary algorithm for parameters identification in parabolic systems. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1336–1337, Springer-Verlag, Seattle, WA, USA.
- [Yu et al.(2004)Yu, Jiang & Wu] Yu, H., Jiang, N. & Wu, A.S. (2004) Populating genomes in a dynamic grid. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 418–419, Springer-Verlag, Seattle, WA, USA.
- [Yu & Goldberg(2004a)] Yu, T.L. & Goldberg, D.E. (2004a) Dependency structure matrix analysis: Offline utility of the dependency structure matrix genetic algorithm. *Genetic and Evolutionary Computation GECCO-2004, Part II* (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of *Lecture Notes in Computer Science*, pp. 355–366, Springer-Verlag, Seattle, WA, USA.
- [Yu & Goldberg(2004b)]
 Yu, T.L. & Goldberg, D.E. (2004b)
 Toward an understanding of the quality and efficiency of model building for genetic algorithms. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 367–378, Springer-Verlag, Seattle, WA, USA.
- [zena Hidovic & Rowe(2004)] zena Hidovic, D. & Rowe, J.E. (2004) Validating a model of colon colouration using an evolution strategy with adaptive approximations. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1005–1016, Springer-Verlag, Seattle, WA, USA.
- [Zhan & Clark(2004)] Zhan, Y. & Clark, J. (2004) Search based automatic test-data generation at an architectural level. Genetic and Evolutionary Computation GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 1413-1424, Springer-Verlag, Seattle, WA, USA.

[Zhu & Liu(2004)] Zhu, K.Q. & Liu, Z. (2004) Empirical study of population diversity in permutation-based genetic algorithm. Genetic and Evolutionary Computation – GECCO-2004, Part II (eds. K. Deb, R. Poli, W. Banzhaf, H.G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P.L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens & A. Tyrrell), vol. 3103 of Lecture Notes in Computer Science, pp. 420–421, Springer-Verlag, Seattle, WA, USA.