

## Список литературы

- [1] A. Acan and A. Unveren, “An evolutionary constraint satisfaction solution for over the cell channel routing,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 838–849. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030838.htm>
- [2] K. Adamopoulos, M. Harman, and R. M. Hierons, “How to overcome the equivalent mutant problem and achieve tailored selective mutation using co-evolution,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1338–1349. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031338.htm>
- [3] A. Agarwal, M.-H. Lim, C. Y. Chew, T. K. Poo, M. J. Er, and Y. K. Leong, “Solution to the fixed airbase problem for autonomous urav site visitation sequencing,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 850–858. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030850.htm>
- [4] A. Agarwal, M.-H. Lim, M. Y. W. Kyaw, and M. J. Er, “Inflight rerouting for an unmanned aerial vehicle,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 859–868. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030859.htm>
- [5] W. Ali and A. Topchy, “Memetic optimization of video chain designs,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 869–882. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030869.htm>
- [6] M. W. Andrews and C. Salzberg, “Sexual and asexual paradigms in evolution: The implications for genetic algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 379–380. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030379.htm>
- [7] G. Antoniol, M. D. Penta, and M. Harman, “Search-based techniques for optimizing software project resource allocation,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1425–1426. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031425.htm>
- [8] J. Bacardit and J. M. Garrell, “Analysis and improvements of the adaptive discretization intervals knowledge representation,” in *Genetic and Evolutionary Computation – GECCO-2004*,

- Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 726–738. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030726.htm>
- [9] S.-H. Bae and B.-R. Moon, “Mutation rates in the context of hybrid genetic algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 381–382. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030381.htm>
  - [10] G. C. Balan and S. Luke, “A demonstration of neural programming applied to non-markovian problems,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 422–433. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030422.htm>
  - [11] P. J. Ballester and J. N. Carter, “Tackling an inverse problem from the petroleum industry with a genetic algorithm for sampling,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1299–1300. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031299.htm>
  - [12] N. K. Bambha, S. S. Bhattacharyya, J. Teich, and E. Zitzler, “Systematic integration of parameterized local search techniques in evolutionary algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 383–384. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030383.htm>
  - [13] O. Bandte and S. Malinchik, “A broad and narrow approach to interactive evolutionary design – an aircraft design example,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 883–895. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030883.htm>
  - [14] A. Barbieri, S. Cagnoni, and G. Colavolpe, “A genetic approach for generating good linear block error-correcting codes,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1301–1302. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031301.htm>
  - [15] A. Baresel, H. Sthamer, and J. Wegener, “Applying evolutionary testing to search for critical defects,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103.

Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1427–1428. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031427.htm>

- [16] Y. Bernstein, X. Li, V. Ciesielski, and A. Song, “Improving generalisation performance through multiobjective parsimony enforcement,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 702–703. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030702.htm>
- [17] B. Bhanu, J. Yu, X. Tan, and Y. Lin, “Feature synthesis using genetic programming for face expression recognition,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 896–907. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030896.htm>
- [18] J. Branke, P. Funes, and F. Thiele, “Evolving en-route caching strategies for the internet,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 434–446. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030434.htm>
- [19] T. N. Bui and W. A. Youssef, “An enhanced genetic algorithm for dna sequencing by hybridization with positive and negative errors,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 908–919. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030908.htm>
- [20] M. V. Butz, D. E. Goldberg, and P. L. Lanzi, “Bounding learning time in xcs,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 739–750. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030739.htm>
- [21] —, “Gradient-based learning updates improve xcs performance in multistep problems,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 751–762. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030751.htm>
- [22] Y.-C. Chen, J.-M. Yang, C.-H. Tsai, and C.-Y. Kao, “Comparative molecular binding energy analysis of hiv-1 protease inhibitors using genetic algorithm-based partial least squares method,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 385–386. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030385.htm>

- [23] H. W.-K. Chia and C.-L. Tan, “Confidence and support classification using genetically programmed neural logic networks,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 836–837. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030836.htm>
- [24] Y.-S. Choi and B.-R. Moon, “Genetic fuzzy discretization for classification problems,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1303–1304. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031303.htm>
- [25] M. A. Dallaali and M. Premaratne, “Controlled content crossover: A new crossover scheme and its application to optical network component allocation problem,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 387–389. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030387.htm>
- [26] A. G. de Silva Garza and A. Z. Lores, “Automating evolutionary art in the style of mondrian,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 394–395. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030394.htm>
- [27] K. Deb, K. Mitra, R. Dewri, and S. Majumdar, “Unveiling optimal operating conditions for an epoxy polymerization process using multi-objective evolutionary computation,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 920–931. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030920.htm>
- [28] I. Dempsey, M. O’Neill, and A. Brabazon, “Grammatical constant creation,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 447–458. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030447.htm>
- [29] K. Derderian, R. M. Hierons, M. Harman, and Q. Guo, “Input sequence generation for testing of communicating finite state machines (cfsms),” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1429–1430. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031429.htm>
- [30] V. Deviredy and P. Reed, “Efficient and reliable evolutionary multiobjective optimization using e-dominance archiving and adaptive population sizing,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell,



- Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 390–391. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030390.htm>
- [31] L. Elliott, D. B. Ingham, A. G. Kyne, N. S. Mera, M. Pourkashanian, and S. Whittaker, “Efficient clustering-based genetic algorithms in chemical kinetic modelling,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 932–944. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030932.htm>
- [32] L. Elliott, D. B. Ingham, A. G. Kyne, N. S. Mera, M. Pourkashanian, and C. W. Wilson, “An informed operator based genetic algorithm for tuning the reaction rate parameters of chemical kinetics mechanisms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 945–956. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030945.htm>
- [33] B. E. Eskridge and D. F. Hougen, “Memetic crossover for genetic programming: Evolution through imitation,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 459–470. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030459.htm>
- [34] T. Fernandez, “Virtual ramping of genetic programming populations,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 471–482. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030471.htm>
- [35] H. Fernlund and A. J. Gonzalez, “Using gp to model contextual human behavior,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 704–705. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030704.htm>
- [36] F. Ferrandi, P. L. Lanzi, and D. Sciuto, “System level hardware-software design exploration with xcs,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 763–773. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030763.htm>
- [37] L. P. Ferreira and S. R. Vergilio, “Tdsngen: An environment based on hybrid genetic algorithms for generation of test data,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1431–1432. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031431.htm>
- [38] I. Frommer, B. Golden, and G. Pundoor, “Heuristic methods for solving euclidean non-uniform steiner tree problems,” in *Genetic and Evolutionary Computation – GECCO-2004, Part*

- II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 392–393. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030392.htm>
- [39] A. S. Fukunaga, “Evolving local search heuristics for sat using genetic programming,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 483–494. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030483.htm>
- [40] F. J. Gomez and R. Miikkulainen, “Transfer of neuroevolved controllers in unstable domains,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 957–968. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030957.htm>
- [41] L. C. González, H. J. Romero, and C. A. Brizuela, “A genetic algorithm for the shortest common superstring problem,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1305–1306. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031305.htm>
- [42] U. Grasmann and R. Miikkulainen, “Evolving wavelets using a coevolutionary genetic algorithm and lifting,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 969–980. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030969.htm>
- [43] K. Hamza and K. Saitou, “Optimization of constructive solid geometry via a tree-based multi-objective genetic algorithm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 981–992. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030981.htm>
- [44] H. Handa, “Mutation can improve the search capability of estimation of distribution algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 396–397. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030396.htm>
- [45] S. Harmon, E. Rodríguez, C. Zhong, and W. Hsu, “A comparison of hybrid incremental reuse strategies for reinforcement learning in genetic programming,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 706–707. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030706.htm>

- [46] L. M. Hercog, “Co-evolutionary agent self-organization for city traffic congestion modeling,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 993–1004. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030993.htm>
- [47] N. X. Hoai and R. McKay, “Softening the structural difficulty in genetic programming with tag-based representation and insertion/deletion operators,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 605–616. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030605.htm>
- [48] B. Hodjat, J. Ito, and M. Amamiya, “A genetic algorithm to improve agent-oriented natural language interpreters,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1307–1309. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031307.htm>
- [49] Q. Hong, S. Kwong, and H. Wang, “Optimization of gaussian mixture model parameters for speaker identification,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1310–1311. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031310.htm>
- [50] G. S. Hornby, “Shortcomings with tree-structured edge encodings for neural networks,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 495–506. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030495.htm>
- [51] C.-Y. Huang and C.-T. Sun, “Parameter adaptation within co-adaptive learning classifier systems,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 774–784. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030774.htm>
- [52] T. Hussain, D. Montana, and G. Vidaver, “Evolution-based deliberative planning for cooperating unmanned ground vehicles in a dynamic environment,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1017–1029. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031017.htm>
- [53] C. Z. Janikow, “Adapting representation in genetic programming,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell,

- Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 507–518. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030507.htm>
- [54] J.-Y. Jung and J. A. Reggia, “A descriptive encoding language for evolving modular neural networks,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 519–530. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030519.htm>
- [55] R. Kamalian, H. Takagi, and A. M. Agogino, “Optimized design of mems by evolutionary multi-objective optimization with interactive evolutionary computation,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1030–1041. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031030.htm>
- [56] E. Keedwell and S.-T. Khu, “Hybrid genetic algorithms for multi-objective optimisation of water distribution networks,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1042–1053. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031042.htm>
- [57] M. Keijzer, C. Ryan, and M. Cattolico, “Run transferable libraries – learning functional bias in problem domains,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 531–542. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030531.htm>
- [58] J.-P. Kim, Y.-H. Kim, and B.-R. Moon, “A hybrid genetic approach for circuit bipartitioning,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1054–1064. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031054.htm>
- [59] J.-H. Kim, S.-S. Choi, and B.-R. Moon, “Neural network normalization for genetic search,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 398–399. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030398.htm>
- [60] Y.-H. Kim and B.-R. Moon, “Distance measures in genetic algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 400–401. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030400.htm>
- [61] —, “Lagrange multiplier method for multi-campaign assignment problem,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science,



- 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1065–1077. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031065.htm>
- [62] E. Kirshenbaum and H. J. Suermondt, “Using genetic programming to obtain a closed-form approximation to a recursive function,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 543–556. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030543.htm>
- [63] M. P. Kleeman, R. O. Day, and G. B. Lamont, “Analysis of a parallel moea solving the multi-objective quadratic assignment problem,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 402–403. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030402.htm>
- [64] A. Kordon, E. Jordaan, L. Chew, G. Smits, T. Bruck, K. Haney, and A. Jennings, “Biomass inferential sensor based on ensemble of models generated by genetic programming,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1078–1089. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031078.htm>
- [65] T. Kovacs and M. Kerber, “High classification accuracy does not imply effective genetic search,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 785–796. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030785.htm>
- [66] T. Kowaliw, N. Kharma, C. Jensen, H. Moghnieh, and J. Yao, “Cellnet co-ev: Evolving better pattern recognizers using competitive co-evolution,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1090–1101. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031090.htm>
- [67] Y.-K. Kwon and B.-R. Moon, “Evolutionary ensemble for stock prediction,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1102–1113. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031102.htm>
- [68] —, “Evolving features in neural networks for system identification,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 404–405. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030404.htm>

- [69] B. Lam and V. Ciesielski, “Discovery of human-competitive image texture feature extraction programs using genetic programming,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1114–1125. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031114.htm>
- [70] F. Lammermann, A. Baresel, and J. Wegener, “Evaluating evolutionary testability with software-measurements,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1350–1362. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031350.htm>
- [71] V. Lefort, C. Knibbe, G. Beslon, and J. Favrel, “A bio-inspired genetic algorithm with a self-organizing genome: The rbf-gene model,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 406–407. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030406.htm>
- [72] A. Leier and W. Banzhaf, “Comparison of selection strategies for evolutionary quantum circuit design,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 557–568. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030557.htm>
- [73] E. Leon, O. Nasraoui, and J. Gomez, “Network intrusion detection using genetic clustering,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1312–1313. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031312.htm>
- [74] Y. Liang, K.-S. Leung, and T. S. K. Mok, “Evolutionary drug scheduling model for cancer chemotherapy,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1126–1137. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031126.htm>
- [75] H. Liu and H. Iba, “Humanoid robot programming based on cbr augmented gp,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 708–709. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030708.htm>
- [76] J. Liu and A. Buller, “Evolving spike-train processors,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell,

Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 408–409. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030408.htm>

- [77] X. Llorà, K. Ohnishi, Y. ping Chen, D. E. Goldberg, and M. E. Welge, “Enhanced innovation: A fusion of chance discovery and evolutionary computation to foster creative processes and decision making,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1314–1315. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031314.htm>
- [78] X. Llorà and S. W. Wilson, “Mixed decision trees: Minimizing knowledge representation bias in lcs,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 797–809. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030797.htm>
- [79] L. D. Lloyd, R. L. Johnston, and S. Salhi, “Development of a genetic algorithm for optimization of nanoalloys,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1316–1317. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031316.htm>
- [80] F. G. Lobo, “A philosophical essay on life and its connections with genetic algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 410–411. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030410.htm>
- [81] F. G. Lobo, C. F. Lima, and H. Mártires, “An architecture for massive parallelization of the compact genetic algorithm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 412–413. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030412.htm>
- [82] G. Lu and S. Areibi, “An island-based ga implementation for vlsi standard-cell placement,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1138–1150. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031138.htm>
- [83] S. Mabu, K. Hirasawa, and J. Hu, “Genetic network programming with reinforcement learning and its performance evaluation,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 710–711. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030710.htm>

- [84] S. Malinchik and E. Bonabeau, "Exploratory data analysis with interactive evolution," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1151–1161. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031151.htm>
- [85] J. Martikainen and S. J. Ovaska, "Designing multiplicative general parameter filters using adaptive genetic algorithms," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1162–1176. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031162.htm>
- [86] I. V. Maslov, "Reducing the cost of the hybrid evolutionary algorithm with image local response in electronic imaging," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1177–1188. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031177.htm>
- [87] P. Massey, J. A. Clark, and S. Stepney, "Evolving quantum circuits and programs through genetic programming," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 569–580. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030569.htm>
- [88] S. Matsui, I. Watanabe, and K. ichi Tokoro, "Empirical performance evaluation of a parameter-free ga for jssp," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1318–1319. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031318.htm>
- [89] A. McIntyre and M. Heywood, "On multi-class classification by way of niching," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 581–592. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030581.htm>
- [90] P. McMinn and M. Holcombe, "Hybridizing evolutionary testing with the chaining approach," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1363–1374. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031363.htm>
- [91] N. F. McPhee, A. Jarvis, and E. F. Crane, "On the strength of size limits in linear genetic programming," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103.



- Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 593–604. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030593.htm>
- [92] B. S. Mitchell, S. Mancoridis, and M. Traverso, “Using interconnection style rules to infer software architecture relations,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1375–1387. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031375.htm>
- [93] J. Mohr and X. Li, “A caching genetic algorithm for spectral breakpoint matching,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1320–1321. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031320.htm>
- [94] R. L. Moore, A. Williams, and J. Sheppard, “Multi-agent simulation of airline travel markets,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1322–1323. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031322.htm>
- [95] T. Murata and T. Nakamura, “Multi-agent cooperation using genetic network programming with automatically defined groups,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 712–714. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030712.htm>
- [96] Y. Nagata, “The lens design using the cma-es algorithm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1189–1200. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031189.htm>
- [97] O. Nasraoui and E. Leon, “Improved niching and encoding strategies for clustering noisy data sets,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1324–1325. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031324.htm>
- [98] J. Northern and M. Shanblatt, “A multi-objective approach to configuring embedded system architectures,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1326–1327. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031326.htm>
- [99] M. O’Neill, A. Brabazon, M. Nicolau, S. M. Garraghy, and P. Keenan, “ $\pi$ grammatical evolution,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser.

- Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 617–629. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030617.htm>
- [100] L. Panait and S. Luke, “Alternative bloat control methods,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 630–641. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030630.htm>
- [101] M. A. Paz-Ramos, J. Torres-Jimenez, E. Quintero-Marmol-Marquez, and H. Estrada-Esquivel, “Pid controller tuning for stable and unstable processes applying ga,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1–10. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030001.htm>
- [102] G. K. Pedersen and D. E. Goldberg, “Dynamic uniform scaling for multiobjective genetic algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 11–23. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030011.htm>
- [103] M. Pelikan and T.-K. Lin, “Parameter-less hierarchical boa,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 24–35. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030024.htm>
- [104] M. Pelikan, J. Ocenasek, S. Trebst, M. Troyer, and F. Alet, “Computational complexity and simulation of rare events of ising spin glasses,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 36–47. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030036.htm>
- [105] M. Pelikan and K. Sastry, “Fitness inheritance in the bayesian optimization algorithm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 48–59. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030048.htm>
- [106] W. Piaseczny, H. Suzuki, and H. Sawai, “Chemical genetic programming – coevolution between genotypic strings and phenotypic trees,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 715–716. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030715.htm>

- [107] M. L. Pilat and F. Oppacher, “Robotic control using hierarchical genetic programming,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 642–653. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030642.htm>
- [108] W. Quan and T. Soule, “A study of the role of single node mutation in genetic programming,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 717–718. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030717.htm>
- [109] F. Rashidi and M. Rashidi, “Limit cycle prediction in multivariable nonlinear systems using genetic algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 60–68. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030060.htm>
- [110] J. Reisinger, K. O. Stanley, and R. Miikkulainen, “Evolving reusable neural modules,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 69–81. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030069.htm>
- [111] M. A. Renslow, B. Hinkemeyer, and B. A. Julstrom, “How are we doing? predicting evolutionary algorithm performance,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 82–89. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030082.htm>
- [112] L. Rigal, B. Castanier, and P. ppe Castagliola, “Introduction of a new selection parameter in genetic algorithm for constrained reliability design problems,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 90–101. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030090.htm>
- [113] E. Rodriguez-Tello and J. Torres-Jimenez, “Improving the performance of a genetic algorithm using a variable-reordering algorithm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 102–113. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030102.htm>
- [114] K. Rodríguez-Vázquez and C. Oliver-Morales, “Multi-branches genetic programming as a tool for function approximation,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 719–721. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030719.htm>
- [115] C. Rotar, “An evolutionary technique for multicriterial optimization based on endocrine paradigm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 414–415. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030414.htm>
- [116] C. Ryan, H. Majeed, and A. Azad, “A competitive building block hypothesis,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 654–665. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030654.htm>
- [117] R. Sanderson, “Automatic synthesis of an 802.11a wireless lan antenna using genetic programming a real world application,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1201–1213. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031201.htm>
- [118] K. Sastry and D. E. Goldberg, “Designing competent mutation operators via probabilistic model building of neighborhoods,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 114–125. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030114.htm>
- [119] —, “Let’s get ready to rumble: Crossover versus mutation head to head,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 126–137. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030126.htm>
- [120] Y. Sato, “Achieving shorter search times in voice conversion using interactive evolution,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1328–1329. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031328.htm>
- [121] L. M. Schmitt, “Classification with scaled genetic algorithms in a coevolutionary setting,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 138–149. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030138.htm>
- [122] D.-I. Seo, S.-S. Choi, and B.-R. Moon, “New epistasis measures for detecting independently optimizable partitions of variables,” in *Genetic and Evolutionary Computation – GECCO-2004*,



- Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 150–161. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030150.htm>
- [123] K. Seo, J. Hu, Z. Fan, E. D. Goodman, and R. C. Rosenberg, “Hierarchical breeding control for efficient topology/parameter evolution,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 722–723. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030722.htm>
- [124] W. Sheng, A. Tucker, and X. Liu, “Clustering with niching genetic k-means algorithm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 162–173. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030162.htm>
- [125] O. Sigaud, T. Gourdin, and P.-H. Willemin, “Improving macs thanks to a comparison with 2tbns,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 810–823. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030810.htm>
- [126] S. Silva and E. Costa, “Dynamic limits for bloat control: Variations on size and depth,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 666–677. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030666.htm>
- [127] E. Sim, S. Jung, H. Kim, and J. Park, “A generic network design for a closed-loop supply chain using genetic algorithm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1214–1225. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031214.htm>
- [128] A. Soltoggio, “A comparison of genetic programming and genetic algorithms in the design of a robust, saturated control system,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 174–185. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030174.htm>
- [129] K. O. Stanley and R. Miikkulainen, “Evolving a roving eye for go,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1226–1238. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031226.htm>

- [130] C. Stephens, H. Waelbroeck, S. Talley, R. Cruz, and A. Ash, "Predicting healthcare costs using classifiers," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1330–1331. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031330.htm>
- [131] M. J. Streeter, "Upper bounds on the time and space complexity of optimizing additively separable functions," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 186–197. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030186.htm>
- [132] F. Streichert, H. Ulmer, and A. Zell, "Comparing discrete and continuous genotypes on the constrained portfolio selection problem," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1239–1250. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031239.htm>
- [133] H. Stringer and A. S. Wu, "Winnowing wheat from chaff: The chunking ga," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 198–209. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030198.htm>
- [134] K. Taniguchi and T. Terano, "Keeping the diversity with small populations using logic-based genetic programming," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 724–725. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030724.htm>
- [135] J. Tavares, F. B. Pereira, and E. Costa, "Evolving golomb rulers," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 416–417. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030416.htm>
- [136] J. C. Tay and D. Wibowo, "An effective chromosome representation for evolving flexible job shop schedules," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 210–221. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030210.htm>
- [137] M. D. Terrio and M. I. Heywood, "On naive crossover biases with reproduction for simple solutions to classification problems," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103.

- Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 678–689. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030678.htm>
- [138] A. Tettamanzi, L. Sammartino, M. Simonov, M. Soroldoni, and M. Beretta, “Learning environment for life time value calculation of customers in insurance domain,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1251–1262. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031251.htm>
- [139] M. Tezuka, M. Munetomo, and K. Akama, “Linkage identification by nonlinearity check for real-coded genetic algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 222–233. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030222.htm>
- [140] D. Thierens, “Population-based iterated local search: Restricting neighborhood search by crossover,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 234–245. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030234.htm>
- [141] M. Tsuji, M. Munetomo, and K. Akama, “Modeling dependencies of loci with string classification according to fitness differences,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 246–257. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030246.htm>
- [142] A. F. Tulai and F. Oppacher, “Multiple species weighted voting – a genetics-based machine learning system,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1263–1274. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031263.htm>
- [143] C. Tzschoppe, F. Rothlauf, and H.-J. Pesch, “The edge-set encoding revisited: On the bias of a direct representation for trees,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 258–270. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030258.htm>
- [144] S. Uyar, S. Sariel, and G. Eryigit, “A gene based adaptive mutation strategy for genetic algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 271–281. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030271.htm>

- [145] L. Vanneschi, M. Clergue, P. Collard, M. Tomassini, and S. Vérel, “Fitness clouds and problem hardness in genetic programming,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 690–701. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030690.htm>
- [146] R. Ványi, “Object oriented design and implementation of a general evolutionary algorithm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1275–1286. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031275.htm>
- [147] R. Vivanco and N. Pizzi, “Finding effective software metrics to classify maintainability using a parallel genetic algorithm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1388–1399. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031388.htm>
- [148] K. Vogts and N. Pope, “Generating compact rough cluster descriptions using an evolutionary algorithm,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1332–1333. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031332.htm>
- [149] H. F. Wedde, M. Farooq, and M. Lischka, “An evolutionary meta hierarchical scheduler for the linux operating system,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1334–1335. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031334.htm>
- [150] J. Wegener and O. Bühler, “Evaluation of different fitness functions for the evolutionary testing of an autonomous parking system,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1400–1412. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031400.htm>
- [151] K. Weinert and M. Stautner, “Generating multiaxis tool paths for die and mold making with evolutionary algorithms,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1287–1298. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031287.htm>
- [152] D. Whitley, K. Bush, and J. Rowe, “Subthreshold-seeking behavior and robust local search,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 282–293. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030282.htm>
- [153] D. Whitley, M. Lunacek, and J. Knight, “Ruffled by ridges: How evolutionary algorithms can fail,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 294–306. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030294.htm>
- [154] C. Willis-Ford and T. Soule, “Non-stationary subtasks can improve diversity in stationary tasks,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 307–317. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030307.htm>
- [155] S. W. Wilson, “Classifier systems for continuous payoff environments,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 824–835. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030824.htm>
- [156] M. Wineberg and J. Chen, “The shifting balance genetic algorithm as more than just another island model ga,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 318–329. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030318.htm>
- [157] A. Wright and G. Cripe, “Bistability of the needle function in the presence of truncation selection,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 330–342. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030330.htm>
- [158] A. Wright, R. Poli, C. R. Stephens, W. Langdon, and S. Pulavarty, “An estimation of distribution algorithm based on maximum entropy,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 343–354. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030343.htm>
- [159] Z. Wu, Z. Tang, J. Zou, L. Kang, and M. Li, “An evolutionary algorithm for parameters identification in parabolic systems,” in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1336–1337. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031336.htm>

- [160] H. Yu, N. Jiang, and A. S. Wu, "Populating genomes in a dynamic grid," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 418–419. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030418.htm>
- [161] T.-L. Yu and D. E. Goldberg, "Dependency structure matrix analysis: Offline utility of the dependency structure matrix genetic algorithm," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 355–366. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030355.htm>
- [162] —, "Toward an understanding of the quality and efficiency of model building for genetic algorithms," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 367–378. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030367.htm>
- [163] D. zena Hidovic and J. E. Rowe, "Validating a model of colon colouration using an evolution strategy with adaptive approximations," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1005–1016. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031005.htm>
- [164] Y. Zhan and J. Clark, "Search based automatic test-data generation at an architectural level," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 1413–1424. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31031413.htm>
- [165] K. Q. Zhu and Z. Liu, "Empirical study of population diversity in permutation-based genetic algorithm," in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, ser. Lecture Notes in Computer Science, 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, and A. Tyrrell, Eds., vol. 3103. Seattle, WA, USA: Springer-Verlag, 26-30 June 2004, pp. 420–421. [Online]. Available: <http://link.springer.de/link/service/series/0558/bibs/3103/31030420.htm>