

Список литературы

- [1] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1–10, Springer-Verlag, 26-30 June, 2004.
- [2] G. K. Pedersen and D. E. Goldberg, *Dynamic uniform scaling for multiobjective genetic algorithms*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 11–23, Springer-Verlag, 26-30 June, 2004.
- [3] M. Pelikan and T.-K. Lin, *Parameter-less hierarchical boa*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 24–35, Springer-Verlag, 26-30 June, 2004.
- [4] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 36–47, Springer-Verlag, 26-30 June, 2004.
- [5] M. Pelikan and K. Sastry, *Fitness inheritance in the bayesian optimization algorithm*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 48–59, Springer-Verlag, 26-30 June, 2004.
- [6] F. Rashidi and M. Rashidi, *Limit cycle prediction in multivariable nonlinear systems using genetic algorithms*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 60–68, Springer-Verlag, 26-30 June, 2004.
- [7] J. Reisinger, K. O. Stanley and R. Miikkulainen, *Evolving reusable neural modules*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 69–81, Springer-Verlag, 26-30 June, 2004.
- [8] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 82–89, Springer-Verlag, 26-30 June, 2004.
- [9] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 90–101, Springer-Verlag, 26-30 June, 2004.
- [10] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 102–113, Springer-Verlag, 26-30 June, 2004.
- [11] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 114–125, Springer-Verlag, 26-30 June, 2004.
- [12] K. Sastry and D. E. Goldberg, *Let’s get ready to rumble: Crossover versus mutation head to head*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 126–137, Springer-Verlag, 26-30 June, 2004.
- [13] L. M. Schmitt, *Classification with scaled genetic algorithms in a coevolutionary setting*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 138–149, Springer-Verlag, 26-30 June, 2004.
- [14] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 150–161, Springer-Verlag, 26-30 June, 2004.
- [15] W. Sheng, A. Tucker and X. Liu, *Clustering with niching genetic k-means algorithm*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 162–173, Springer-Verlag, 26-30 June, 2004.
- [16] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 174–185, Springer-Verlag, 26-30 June, 2004.
- [17] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 186–197, Springer-Verlag, 26-30 June, 2004.
- [18] H. Stringer and A. S. Wu, *Winnowing wheat from chaff: The chunking ga*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 198–209, Springer-Verlag, 26–30 June, 2004.
- [19] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 210–221, Springer-Verlag, 26–30 June, 2004.
- [20] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 222–233, Springer-Verlag, 26–30 June, 2004.
- [21] D. Thierens, *Population-based iterated local search: Restricting neighborhood search by crossover*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 234–245, Springer-Verlag, 26–30 June, 2004.
- [22] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 246–257, Springer-Verlag, 26–30 June, 2004.
- [23] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 258–270, Springer-Verlag, 26–30 June, 2004.
- [24] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 271–281, Springer-Verlag, 26–30 June, 2004.
- [25] D. Whitley, K. Bush and J. Rowe, *Subthreshold-seeking behavior and robust local search*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 282–293, Springer-Verlag, 26–30 June, 2004.
- [26] D. Whitley, M. Lunacek and J. Knight, *Ruffled by ridges: How evolutionary algorithms can fail*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 294–306, Springer-Verlag, 26–30 June, 2004.

- [27] C. Willis-Ford and T. Soule, *Non-stationary subtasks can improve diversity in stationary tasks*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 307–317, Springer-Verlag, 26-30 June, 2004.
- [28] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 318–329, Springer-Verlag, 26-30 June, 2004.
- [29] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 330–342, Springer-Verlag, 26-30 June, 2004.
- [30] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 343–354, Springer-Verlag, 26-30 June, 2004.
- [31] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 355–366, Springer-Verlag, 26-30 June, 2004.
- [32] T.-L. Yu and D. E. Goldberg, *Toward an understanding of the quality and efficiency of model building for genetic algorithms*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 367–378, Springer-Verlag, 26-30 June, 2004.
- [33] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 379–380, Springer-Verlag, 26-30 June, 2004.
- [34] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 381–382, Springer-Verlag, 26-30 June, 2004.
- [35] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 383–384, Springer-Verlag, 26-30 June, 2004.
- [36] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 385–386, Springer-Verlag, 26-30 June, 2004.
- [37] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 387–389, Springer-Verlag, 26-30 June, 2004.
- [38] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 390–391, Springer-Verlag, 26-30 June, 2004.
- [39] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 392–393, Springer-Verlag, 26-30 June, 2004.
- [40] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 394–395, Springer-Verlag, 26-30 June, 2004.
- [41] H. Handa, *Mutation can improve the search capability of estimation of distribution algorithms*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 396–397, Springer-Verlag, 26-30 June, 2004.
- [42] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 398–399, Springer-Verlag, 26-30 June, 2004.
- [43] Y.-H. Kim and B.-R. Moon, *Distance measures in genetic algorithms*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 400–401, Springer-Verlag, 26-30 June, 2004.

- [44] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 402–403, Springer-Verlag, 26-30 June, 2004.
- [45] Y.-K. Kwon and B.-R. Moon, *Evolving features in neural networks for system identification*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 404–405, Springer-Verlag, 26-30 June, 2004.
- [46] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 406–407, Springer-Verlag, 26-30 June, 2004.
- [47] J. Liu and A. Buller, *Evolving spike-train processors*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 408–409, Springer-Verlag, 26-30 June, 2004.
- [48] F. G. Lobo, *A philosophical essay on life and its connections with genetic algorithms*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 410–411, Springer-Verlag, 26-30 June, 2004.
- [49] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 412–413, Springer-Verlag, 26-30 June, 2004.
- [50] C. Rotar, *An evolutionary technique for multicriterial optimization based on endocrine paradigm*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 414–415, Springer-Verlag, 26-30 June, 2004.
- [51] J. Tavares, F. B. Pereira and E. Costa, *Evolving golomb rulers*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 416–417, Springer-Verlag, 26-30 June, 2004.
- [52] H. Yu, N. Jiang and A. S. Wu, *Populating genomes in a dynamic grid*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 418–419, Springer-Verlag, 26-30 June, 2004.

- [53] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 420–421, Springer-Verlag, 26-30 June, 2004.
- [54] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 422–433, Springer-Verlag, 26-30 June, 2004.
- [55] J. Branke, P. Funes and F. Thiele, *Evolving en-route caching strategies for the internet*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 434–446, Springer-Verlag, 26-30 June, 2004.
- [56] I. Dempsey, M. O’Neill and A. Brabazon, *Grammatical constant creation*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 447–458, Springer-Verlag, 26-30 June, 2004.
- [57] B. E. Eskridge and D. F. Hougen, *Memetic crossover for genetic programming: Evolution through imitation*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 459–470, Springer-Verlag, 26-30 June, 2004.
- [58] T. Fernandez, *Virtual ramping of genetic programming populations*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 471–482, Springer-Verlag, 26-30 June, 2004.
- [59] A. S. Fukunaga, *Evolving local search heuristics for sat using genetic programming*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 483–494, Springer-Verlag, 26-30 June, 2004.
- [60] G. S. Hornby, *Shortcomings with tree-structured edge encodings for neural networks*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 495–506, Springer-Verlag, 26-30 June, 2004.
- [61] C. Z. Janikow, *Adapting representation in genetic programming*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 507–518, Springer-Verlag, 26-30 June, 2004.
- [62] 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* (K. Deb, R. Poli,

- W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 519–530, Springer-Verlag, 26-30 June, 2004.
- [63] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 531–542, Springer-Verlag, 26-30 June, 2004.
- [64] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 543–556, Springer-Verlag, 26-30 June, 2004.
- [65] A. Leier and W. Banzhaf, *Comparison of selection strategies for evolutionary quantum circuit design*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 557–568, Springer-Verlag, 26-30 June, 2004.
- [66] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 569–580, Springer-Verlag, 26-30 June, 2004.
- [67] A. McIntyre and M. Heywood, *On multi-class classification by way of niching*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 581–592, Springer-Verlag, 26-30 June, 2004.
- [68] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 593–604, Springer-Verlag, 26-30 June, 2004.
- [69] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 605–616, Springer-Verlag, 26-30 June, 2004.
- [70] M. O’Neill, A. Brabazon, M. Nicolau, S. M. Garraghy and P. Keenan, *π grammatical evolution*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 617–629, Springer-Verlag, 26-30 June, 2004.

- [71] L. Panait and S. Luke, *Alternative bloat control methods*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 630–641, Springer-Verlag, 26-30 June, 2004.
- [72] M. L. Pilat and F. Oppacher, *Robotic control using hierarchical genetic programming*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 642–653, Springer-Verlag, 26-30 June, 2004.
- [73] C. Ryan, H. Majeed and A. Azad, *A competitive building block hypothesis*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 654–665, Springer-Verlag, 26-30 June, 2004.
- [74] S. Silva and E. Costa, *Dynamic limits for bloat control: Variations on size and depth*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 666–677, Springer-Verlag, 26-30 June, 2004.
- [75] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 678–689, Springer-Verlag, 26-30 June, 2004.
- [76] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 690–701, Springer-Verlag, 26-30 June, 2004.
- [77] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 702–703, Springer-Verlag, 26-30 June, 2004.
- [78] H. Fernlund and A. J. Gonzalez, *Using gp to model contextual human behavior*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 704–705, Springer-Verlag, 26-30 June, 2004.
- [79] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 706–707, Springer-Verlag, 26-30 June, 2004.

- [80] H. Liu and H. Iba, *Humanoid robot programming based on cbr augmented gp*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 708–709, Springer-Verlag, 26-30 June, 2004.
- [81] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 710–711, Springer-Verlag, 26-30 June, 2004.
- [82] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 712–714, Springer-Verlag, 26-30 June, 2004.
- [83] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 715–716, Springer-Verlag, 26-30 June, 2004.
- [84] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 717–718, Springer-Verlag, 26-30 June, 2004.
- [85] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 719–721, Springer-Verlag, 26-30 June, 2004.
- [86] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 722–723, Springer-Verlag, 26-30 June, 2004.
- [87] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 724–725, Springer-Verlag, 26-30 June, 2004.
- [88] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 726–738, Springer-Verlag, 26-30 June, 2004.
- [89] M. V. Butz, D. E. Goldberg and P. L. Lanzi, *Bounding learning time in xcs*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 739–750, Springer-Verlag, 26-30 June, 2004.
- [90] M. V. Butz, D. E. Goldberg and P. L. Lanzi, *Gradient-based learning updates improve xcs performance in multistep problems*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 751–762, Springer-Verlag, 26-30 June, 2004.
- [91] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 763–773, Springer-Verlag, 26-30 June, 2004.
- [92] C.-Y. Huang and C.-T. Sun, *Parameter adaptation within co-adaptive learning classifier systems*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 774–784, Springer-Verlag, 26-30 June, 2004.
- [93] T. Kovacs and M. Kerber, *High classification accuracy does not imply effective genetic search*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 785–796, Springer-Verlag, 26-30 June, 2004.
- [94] X. Llorà and S. W. Wilson, *Mixed decision trees: Minimizing knowledge representation bias in lcs*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 797–809, Springer-Verlag, 26-30 June, 2004.
- [95] O. Sigaud, T. Gourdin and P.-H. Wullemmin, *Improving macs thanks to a comparison with 2tbns*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 810–823, Springer-Verlag, 26-30 June, 2004.
- [96] S. W. Wilson, *Classifier systems for continuous payoff environments*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 824–835, Springer-Verlag, 26-30 June, 2004.
- [97] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 836–837, Springer-Verlag, 26-30 June, 2004.
- [98] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 838–849, Springer-Verlag, 26-30 June, 2004.
- [99] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 850–858, Springer-Verlag, 26-30 June, 2004.
- [100] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 859–868, Springer-Verlag, 26-30 June, 2004.
- [101] W. Ali and A. Topchy, *Memetic optimization of video chain designs*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 869–882, Springer-Verlag, 26-30 June, 2004.
- [102] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 883–895, Springer-Verlag, 26-30 June, 2004.
- [103] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 896–907, Springer-Verlag, 26-30 June, 2004.
- [104] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 908–919, Springer-Verlag, 26-30 June, 2004.
- [105] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 920–931, Springer-Verlag, 26-30 June, 2004.

- [106] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 932–944, Springer-Verlag, 26-30 June, 2004.
- [107] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 945–956, Springer-Verlag, 26-30 June, 2004.
- [108] F. J. Gomez and R. Miikkulainen, *Transfer of neuroevolved controllers in unstable domains*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 957–968, Springer-Verlag, 26-30 June, 2004.
- [109] U. Grasmann and R. Miikkulainen, *Evolving wavelets using a coevolutionary genetic algorithm and lifting*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 969–980, Springer-Verlag, 26-30 June, 2004.
- [110] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 981–992, Springer-Verlag, 26-30 June, 2004.
- [111] L. M. Hercog, *Co-evolutionary agent self-organization for city traffic congestion modeling*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 993–1004, Springer-Verlag, 26-30 June, 2004.
- [112] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1005–1016, Springer-Verlag, 26-30 June, 2004.
- [113] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1017–1029, Springer-Verlag, 26-30 June, 2004.
- [114] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1030–1041, Springer-Verlag, 26-30 June, 2004.
- [115] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1042–1053, Springer-Verlag, 26-30 June, 2004.
 - [116] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1054–1064, Springer-Verlag, 26-30 June, 2004.
 - [117] Y.-H. Kim and B.-R. Moon, *Lagrange multiplier method for multi-campaign assignment problem*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1065–1077, Springer-Verlag, 26-30 June, 2004.
 - [118] A. Kordon, E. Jordaan, L. Chew, G. Smits, T. Bruck, K. Haney and A. Jenings, *Biomass inferential sensor based on ensemble of models generated by genetic programming*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1078–1089, Springer-Verlag, 26-30 June, 2004.
 - [119] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1090–1101, Springer-Verlag, 26-30 June, 2004.
 - [120] Y.-K. Kwon and B.-R. Moon, *Evolutionary ensemble for stock prediction*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1102–1113, Springer-Verlag, 26-30 June, 2004.
 - [121] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1114–1125, Springer-Verlag, 26-30 June, 2004.
 - [122] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1126–1137, Springer-Verlag, 26-30 June, 2004.

- [123] G. Lu and S. Areibi, *An island-based ga implementation for vlsi standard-cell placement*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1138–1150, Springer-Verlag, 26-30 June, 2004.
- [124] S. Malinchik and E. Bonabeau, *Exploratory data analysis with interactive evolution*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1151–1161, Springer-Verlag, 26-30 June, 2004.
- [125] J. Martikainen and S. J. Ovaska, *Designing multiplicative general parameter filters using adaptive genetic algorithms*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1162–1176, Springer-Verlag, 26-30 June, 2004.
- [126] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1177–1188, Springer-Verlag, 26-30 June, 2004.
- [127] Y. Nagata, *The lens design using the cma-es algorithm*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1189–1200, Springer-Verlag, 26-30 June, 2004.
- [128] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1201–1213, Springer-Verlag, 26-30 June, 2004.
- [129] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1214–1225, Springer-Verlag, 26-30 June, 2004.
- [130] K. O. Stanley and R. Miikkulainen, *Evolving a roving eye for go*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1226–1238, Springer-Verlag, 26-30 June, 2004.
- [131] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1239–1250, Springer-Verlag, 26-30 June, 2004.

- [132] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1251–1262, Springer-Verlag, 26-30 June, 2004.
- [133] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1263–1274, Springer-Verlag, 26-30 June, 2004.
- [134] R. Ványi, *Object oriented design and implementation of a general evolutionary algorithm*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1275–1286, Springer-Verlag, 26-30 June, 2004.
- [135] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1287–1298, Springer-Verlag, 26-30 June, 2004.
- [136] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1299–1300, Springer-Verlag, 26-30 June, 2004.
- [137] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1301–1302, Springer-Verlag, 26-30 June, 2004.
- [138] Y.-S. Choi and B.-R. Moon, *Genetic fuzzy discretization for classification problems*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1303–1304, Springer-Verlag, 26-30 June, 2004.
- [139] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1305–1306, Springer-Verlag, 26-30 June, 2004.
- [140] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1307–1309, Springer-Verlag, 26-30 June, 2004.
- [141] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1310–1311, Springer-Verlag, 26-30 June, 2004.
 - [142] E. Leon, O. Nasraoui and J. Gomez, *Network intrusion detection using genetic clustering*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1312–1313, Springer-Verlag, 26-30 June, 2004.
 - [143] X. Llorá, 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1314–1315, Springer-Verlag, 26-30 June, 2004.
 - [144] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1316–1317, Springer-Verlag, 26-30 June, 2004.
 - [145] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1318–1319, Springer-Verlag, 26-30 June, 2004.
 - [146] J. Mohr and X. Li, *A caching genetic algorithm for spectral breakpoint matching*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1320–1321, Springer-Verlag, 26-30 June, 2004.
 - [147] R. L. Moore, A. Williams and J. Sheppard, *Multi-agent simulation of airline travel markets*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1322–1323, Springer-Verlag, 26-30 June, 2004.
 - [148] O. Nasraoui and E. Leon, *Improved niching and encoding strategies for clustering noisy data sets*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1324–1325, Springer-Verlag, 26-30 June, 2004.

- [149] J. Northern and M. Shanblatt, *A multi-objective approach to configuring embedded system architectures*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1326–1327, Springer-Verlag, 26-30 June, 2004.
- [150] Y. Sato, *Achieving shorter search times in voice conversion using interactive evolution*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1328–1329, Springer-Verlag, 26-30 June, 2004.
- [151] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1330–1331, Springer-Verlag, 26-30 June, 2004.
- [152] K. Vogts and N. Pope, *Generating compact rough cluster descriptions using an evolutionary algorithm*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1332–1333, Springer-Verlag, 26-30 June, 2004.
- [153] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1334–1335, Springer-Verlag, 26-30 June, 2004.
- [154] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1336–1337, Springer-Verlag, 26-30 June, 2004.
- [155] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1338–1349, Springer-Verlag, 26-30 June, 2004.
- [156] F. Lammermann, A. Baresel and J. Wegener, *Evaluating evolutionary testability with software-measurements*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1350–1362, Springer-Verlag, 26-30 June, 2004.
- [157] P. McMinn and M. Holcombe, *Hybridizing evolutionary testing with the chaining approach*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1363–1374, Springer-Verlag, 26-30 June, 2004.
- [158] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1375–1387, Springer-Verlag, 26-30 June, 2004.
- [159] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1388–1399, Springer-Verlag, 26-30 June, 2004.
- [160] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1400–1412, Springer-Verlag, 26-30 June, 2004.
- [161] Y. Zhan and J. Clark, *Search based automatic test-data generation at an architectural level*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1413–1424, Springer-Verlag, 26-30 June, 2004.
- [162] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1425–1426, Springer-Verlag, 26-30 June, 2004.
- [163] A. Baresel, H. Sthamer and J. Wegener, *Applying evolutionary testing to search for critical defects*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1427–1428, Springer-Verlag, 26-30 June, 2004.
- [164] 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* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1429–1430, Springer-Verlag, 26-30 June, 2004.
- [165] L. P. Ferreira and S. R. Vergilio, *Tdsgen: An environment based on hybrid genetic algorithms for generation of test data*, in *Genetic and Evolutionary Computation – GECCO-2004, Part II* (K. Deb, R. Poli, W. Banzhaf, H.-G. 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 of *Lecture Notes in Computer Science*, (Seattle, WA, USA), pp. 1431–1432, Springer-Verlag, 26-30 June, 2004.