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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1–10, Seattle, WA, USA, 2004, Springer-Verlag.

[2] G. K. Pedersen and D. E. Goldberg, Dynamic uniform scaling for multiobjective genetic algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 11–23, Seattle, WA, USA, 2004, Springer-Verlag.

[3] M. Pelikan and T.-K. Lin, Parameter-less hierarchical boa, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 24–35, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 36–47, Seattle, WA, USA, 2004, Springer-Verlag.

[5] M. Pelikan and K. Sastry, Fitness inheritance in the bayesian optimization algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 48–59, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 60–68, Seattle, WA, USA, 2004, Springer-Verlag.

[7] J. Reisinger, K. O. Stanley, and R. Miikkulainen, Evolving reusable neural modules, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 69–81, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 82–89, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L.

Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 90–101, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 102–113, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 114–125, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 126–137, Seattle, WA, USA, 2004, Springer-Verlag.

[13] L. M. Schmitt, Classification with scaled genetic algorithms in a coevolutionary setting, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 138–149, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 150–161, Seattle, WA, USA, 2004, Springer-Verlag.

[15] W. Sheng, A. Tucker, and X. Liu, Clustering with niching genetic k-means algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 162–173, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 174–185, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 186–197, Seattle, WA, USA, 2004, Springer-Verlag.

[18] H. Stringer and A. S. Wu, Winnowing wheat from chaff: The chunking ga, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 198–209, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 210–221, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 222–233, Seattle, WA, USA, 2004, Springer-Verlag.

[21] D. Thierens, Population-based iterated local search: Restricting neighborhood search by crossover, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 234–245, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 246–257, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 258–270, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 271–281, Seattle, WA, USA, 2004, Springer-Verlag.

[25] D. Whitley, K. Bush, and J. Rowe, Subthreshold-seeking behavior and robust local search, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 282–293, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 294–306, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 307–317, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 318–329, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 330–342, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 343–354, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 355–366, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 367–378, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 379–380, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 381–382, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 383–384, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 385–386, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 387–389, Seattle, WA, USA, 2004, Springer-Verlag.

[38] V. Devireddy 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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 390–391, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 392–393, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 394–395, Seattle, WA, USA, 2004, Springer-Verlag.

[41] H. Handa, Mutation can improve the search capability of estimation of distribution algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 396–397, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 398–399, Seattle, WA, USA, 2004, Springer-Verlag.

[43] Y.-H. Kim and B.-R. Moon, Distance measures in genetic algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 400–401, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 402–403, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 404–405, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen,

D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 406–407, Seattle, WA, USA, 2004, Springer-Verlag.

[47] J. Liu and A. Buller, Evolving spike-train processors, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 408–409, Seattle, WA, USA, 2004, Springer-Verlag.

[48] F. G. Lobo, A philosophical essay on life and its connections with genetic algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 410–411, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 412–413, Seattle, WA, USA, 2004, Springer-Verlag.

[50] C. Rotar, An evolutionary technique for multicriterial optimization based on endocrine paradigm, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 414–415, Seattle, WA, USA, 2004, Springer-Verlag.

[51] J. Tavares, F. B. Pereira, and E. Costa, Evolving golomb rulers, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 416–417, Seattle, WA, USA, 2004, Springer-Verlag.

[52] H. Yu, N. Jiang, and A. S. Wu, Populating genomes in a dynamic grid, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 418–419, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 420–421, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 422–433, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 434–446, Seattle, WA, USA, 2004, Springer-Verlag.

[56] I. Dempsey, M. O'Neill, and A. Brabazon, Grammatical constant creation, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 447–458, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 459–470, Seattle, WA, USA, 2004, Springer-Verlag.

[58] T. Fernandez, Virtual ramping of genetic programming populations, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 471–482, Seattle, WA, USA, 2004, Springer-Verlag.

[59] A. S. Fukunaga, Evolving local search heuristics for sat using genetic programming, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 483–494, Seattle, WA, USA, 2004, Springer-Verlag.

[60] G. S. Hornby, Shortcomings with tree-structured edge encodings for neural networks, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 495–506, Seattle, WA, USA, 2004, Springer-Verlag.

[61] C. Z. Janikow, Adapting representation in genetic programming, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 507–518, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 519–530, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 531–542, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 543–556, Seattle, WA, USA, 2004, Springer-Verlag.

[65] A. Leier and W. Banzhaf, Comparison of selection strategies for evolutionary quantum circuit design, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb,

R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 557–568, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 569–580, Seattle, WA, USA, 2004, Springer-Verlag.

[67] A. McIntyre and M. Heywood, On multi-class classification by way of niching, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 581–592, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 593–604, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 605–616, Seattle, WA, USA, 2004, Springer-Verlag.

[70] M. O'Neill, A. Brabazon, M. Nicolau, S. M. Garraghy, and P. Keenan, πgrammatical evolution, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 617–629, Seattle, WA, USA, 2004, Springer-Verlag.

[71] L. Panait and S. Luke, Alternative bloat control methods, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 630–641, Seattle, WA, USA, 2004, Springer-Verlag.

[72] M. L. Pilat and F. Oppacher, Robotic control using hierarchical genetic programming, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 642–653, Seattle, WA, USA, 2004, Springer-Verlag.

[73] C. Ryan, H. Majeed, and A. Azad, A competitive building block hypothesis, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 654–665, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 666–677, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 678–689, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 690–701, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 702–703, Seattle, WA, USA, 2004, Springer-Verlag.

[78] H. Fernlund and A. J. Gonzalez, Using gp to model contextual human behavior, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 704–705, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 706–707, Seattle, WA, USA, 2004, Springer-Verlag.

[80] H. Liu and H. Iba, Humanoid robot programming based on cbr augmented gp, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 708–709, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 710–711, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 712–714, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 715–716, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 717–718, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 719–721, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 722–723, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 724–725, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 726–738, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 739–750, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 751–762, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 763–773, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 774–784, Seattle, WA, USA, 2004, Springer-Verlag.

[93] T. Kovacs and M. Kerber, High classification accuracy does not imply effective genetic search, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 785–796, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 797–809, Seattle, WA, USA, 2004, Springer-Verlag.

[95] O. Sigaud, T. Gourdin, and P.-H. Wuillemin, Improving macs thanks to a comparison with 2tbns, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 810–823, Seattle, WA, USA, 2004, Springer-Verlag.

[96] S. W. Wilson, Classifier systems for continuous payoff environments, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 824–835, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 836–837, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 838–849, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 850–858, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 859–868, Seattle, WA, USA, 2004, Springer-Verlag.

[101] W. Ali and A. Topchy, Memetic optimization of video chain designs, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 869–882, Seattle, WA, USA, 2004, Springer-Verlag.

[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, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 883–895, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 896–907, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 908–919, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 920–931, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 932–944, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 945–956, Seattle, WA, USA, 2004, Springer-Verlag.

[108] F. J. Gomez and R. Miikkulainen, Transfer of neuroevolved controllers in unstable domains, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 957–968, Seattle, WA, USA, 2004, Springer-Verlag.

[109] U. Grasemann and R. Miikkulainen, Evolving wavelets using a coevolutionary genetic algorithm and lifting, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 969–980, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 981–992, Seattle, WA, USA, 2004, Springer-Verlag.

[111] L. M. Hercog, Co-evolutionary agent self-organization for city traffic congestion modeling, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 993–1004, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1005–1016, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1017–1029, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1030–1041, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1042–1053, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1054–1064, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1065–1077, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1078–1089, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1090–1101, Seattle, WA, USA, 2004, Springer-Verlag.

[120] Y.-K. Kwon and B.-R. Moon, Evolutionary ensemble for stock prediction, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1102–1113, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1114–1125, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1126–1137, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1138–1150, Seattle, WA, USA, 2004, Springer-Verlag.

[124] S. Malinchik and E. Bonabeau, Exploratory data analysis with interactive evolution, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1151–1161, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1162–1176, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1177–1188, Seattle, WA, USA, 2004, Springer-Verlag.

[127] Y. Nagata, The lens design using the cma-es algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1189–1200, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1201–1213, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1214–1225, Seattle, WA, USA, 2004, Springer-Verlag.

[130] K. O. Stanley and R. Miikkulainen, Evolving a roving eye for go, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1226–1238, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1239–1250, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1251–1262, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1263–1274, Seattle, WA, USA, 2004, Springer-Verlag.

[134] R. Ványi, Object oriented design and implementation of a general evolutionary algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1275–1286, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1287–1298, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1299–1300, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1301–1302, Seattle, WA, USA, 2004, Springer-Verlag.

[138] Y.-S. Choi and B.-R. Moon, Genetic fuzzy discretization for classification problems, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1303–1304, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1305–1306, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1307–1309, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1310–1311, Seattle, WA, USA, 2004, Springer-Verlag.

[142] E. Leon, O. Nasraoui, and J. Gomez, Network intrusion detection using genetic clustering, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1312–1313, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1314–1315, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1316–1317, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1318–1319, Seattle, WA, USA, 2004, Springer-Verlag.

[146] J. Mohr and X. Li, A caching genetic algorithm for spectral breakpoint matching, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1320–1321, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1322–1323, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1324–1325, Seattle, WA, USA, 2004, Springer-Verlag.

[149] J. Northern and M. Shanblatt, A multi-objective approach to configuring embedded system architectures, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1326–1327, Seattle, WA, USA, 2004, Springer-Verlag.

[150] Y. Sato, Achieving shorter search times in voice conversion using interactive evolution, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1328–1329, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1330–1331, Seattle, WA, USA, 2004, Springer-Verlag.

[152] K. Vogts and N. Pope, Generating compact rough cluster descriptions using an evolutionary algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1332–1333, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1334–1335, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1336–1337, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1338–1349, Seattle, WA, USA, 2004, Springer-Verlag.

[156] F. Lammermann, A. Baresel, and J. Wegener, Evaluating evolutionary testability with software-measurements, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1350–1362, Seattle, WA, USA, 2004, Springer-Verlag.

[157] P. McMinn and M. Holcombe, Hybridizing evolutionary testing with the chaining approach, in *Genetic and Evolutionary Computation – GECCO-2004, Part II*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1363–1374, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1375–1387, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1388–1399, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1400–1412, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1413–1424, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1425–1426, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1427–1428, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1429–1430, Seattle, WA, USA, 2004, Springer-Verlag.

[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*, edited by K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. Dasgupta, D. Floreano, J. Foster, M. Harman, O. Holland, P. L. Lanzi, L. Spector, A. Tettamanzi, D. Thierens, and A. Tyrrell, volume 3103 of *Lecture Notes in Computer Science*, pp. 1431–1432, Seattle, WA, USA, 2004, Springer-Verlag.