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, pp. 1–10. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030001.htm.
- [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, pp. 11–23. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030011.htm.
- [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, pp. 24–35. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030024.htm.
- [4] M. Pelikan, J. Ocenasek, S. Trebst, M. Trover, 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, pp. 36–47. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030036.htm.
- [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, pp. 48–59. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004.
 - http://link.springer.de/link/service/series/0558/bibs/3103/31030048.htm.
- [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, pp. 60–68. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030060.htm.
- [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, pp. 69–81. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030069.htm.
- [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, pp. 82–89. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030082.htm.
- [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, pp. 90-101. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030090.htm.
- [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, pp. 102-113. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030102.htm.
- [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, pp. 114-125. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030114.htm.
- [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, pp. 126-137. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030126.htm.
- [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, pp. 138-149. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030138.htm.
- [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*, pp. 150–161. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030150.htm.
- [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, pp. 162–173. Springer-Verlag, Seattle, WA, USA, 26-30

june, 2004.

http://link.springer.de/link/service/series/0558/bibs/3103/31030162.htm.

- [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, pp. 174–185. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030174.htm.
- [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, pp. 186–197. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030186.htm.
- [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, pp. 198–209. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030198.htm.
- [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, pp. 210-221. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030210.htm.
- [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, pp. 222-233. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030222.htm.
- [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, pp. 234-245. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030234.htm.
- [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, pp. 246-257. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030246.htm.
- [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, pp. 258–270. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030258.htm.
- [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, pp. 271–281. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030271.htm.
- [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, pp. 282-293. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030282.htm.
- [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, pp. 294-306. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030294.htm.
- [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, pp. 307-317. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030307.htm.
- [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*, pp. 318–329. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030318.htm.
- [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, pp. 330-342. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030330.htm.
- [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, pp. 343-354. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030343.htm.
- [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, pp. 355-366. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030355.htm.
- [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, pp. 367-378. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030367.htm.
- [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, pp. 379–380. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030379.htm.
- [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, pp. 381–382. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030381.htm.
- [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, pp. 383-384. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030383.htm.
- [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, pp. 385–386. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030385.htm.
- [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, pp. 387–389. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030387.htm.

- [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, K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. 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, pp. 390–391. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030390.htm.
- [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, pp. 392–393. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030392.htm.
- [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, pp. 394–395. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030394.htm.
- [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, pp. 396–397. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030396.htm.
- [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, pp. 398–399. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030398.htm.
- [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, pp. 400-401. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030400.htm.
- [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, pp. 402-403. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030402.htm.
- 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*, pp. 404–405. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004.
- http://link.springer.de/link/service/series/0558/bibs/3103/31030404.htm.
- [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, pp. 406-407. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030406.htm.
- [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, pp. 408-409. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030408.htm.
- [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, pp. 410-411. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030410.htm.
- [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, pp. 412–413. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030412.htm.
- [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, pp. 414–415. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030414.htm.
- [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, pp. 416-417. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030416.htm.
- [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, pp. 418–419. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030418.htm.
- [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*, pp. 420–421. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004.
- http://link.springer.de/link/service/series/0558/bibs/3103/31030420.htm.
- [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, pp. 422–433. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030422.htm.
- [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, pp. 434-446. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030434.htm.
- [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*, pp. 447–458. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030447.htm.
- [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, pp. 459-470. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030459.htm.
- [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, pp. 471–482. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030471.htm.
- [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, pp. 483–494. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004.
 - http://link.springer.de/link/service/series/0558/bibs/3103/31030483.htm.
- [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, pp. 495–506. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004.
 - http://link.springer.de/link/service/series/0558/bibs/3103/31030495.htm.

- [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, pp. 507-518. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030507.htm.
- [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, pp. 519-530. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030519.htm.
- [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, pp. 531–542. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030531.htm.
- [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, pp. 543-556. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030543.htm.
- [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, pp. 557–568. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030557.htm.
- [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, pp. 569-580. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030569.htm.
- [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, pp. 581–592. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030581.htm.
- [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, pp. 593–604. Springer-Verlag, Seattle,

- WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030593.htm.
- [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, pp. 605-616. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030605.htm.
- [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, K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. 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, pp. 617–629. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030617.htm.
- [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, pp. 630-641. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030630.htm.
- [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, pp. 642–653. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030642.htm.
- [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, pp. 654–665. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030654.htm.
- [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, pp. 666-677. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030666.htm.
- [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, pp. 678–689. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030678.htm.
- [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, pp. 690–701. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030690.htm.
- [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, pp. 702-703. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030702.htm.
- [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, pp. 704–705. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030704.htm.
- [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, pp. 706-707. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030706.htm.
- [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, pp. 708–709. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030708.htm.
- [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, pp. 710-711. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030710.htm.
- [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, pp. 712-714. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030712.htm.
- [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, pp. 715-716. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030715.htm.

- [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, pp. 717–718. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030717.htm.
- [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, pp. 719–721. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030719.htm.
- [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, pp. 722-723. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030722.htm.
- [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, pp. 724–725. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030724.htm.
- [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*, pp. 726–738. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030726.htm.
- [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, pp. 739–750. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030739.htm.
- [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, pp. 751-762. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030751.htm.
- [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, pp. 763–773. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004.
- http://link.springer.de/link/service/series/0558/bibs/3103/31030763.htm.
- [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, pp. 774-784. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030774.htm.
- [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, pp. 785-796. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030785.htm.
- [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, pp. 797-809. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030797.htm.
- [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, K. Deb, R. Poli, W. Banzhaf, H.-G. Beyer, E. Burke, P. Darwen, D. 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, pp. 810–823. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030810.htm.
- [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, pp. 824-835. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030824.htm.
- [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, pp. 836-837. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030836.htm.
- [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, pp. 838-849. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030838.htm.

- [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, pp. 850-858. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030850.htm.
- [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, pp. 859–868. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030859.htm.
- [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, pp. 869-882. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030869.htm.
- [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, pp. 883–895. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030883.htm.
- [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, pp. 896-907. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030896.htm.
- [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, pp. 908–919. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030908.htm.
- [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, pp. 920-931. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030920.htm.
- [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*, pp. 932–944. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030932.htm.
- [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, pp. 945-956. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030945.htm.
- [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, pp. 957-968. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030957.htm.
- [109] U. Grasemann 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, pp. 969-980. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030969.htm.
- [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, pp. 981-992. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030981.htm.
- [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, pp. 993-1004. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31030993.htm.
- [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, pp. 1005-1016. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031005.htm.
- [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, pp. 1017–1029. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031017.htm.

- [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, pp. 1030-1041. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031030.htm.
- [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, pp. 1042–1053. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031042.htm.
- [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, pp. 1054–1064. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031054.htm.
- [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, pp. 1065-1077. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031065.htm.
- [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, pp. 1078–1089. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031078.htm.
- [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, pp. 1090-1101. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031090.htm.
- [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, pp. 1102-1113. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031102.htm.
- [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*, pp. 1114–1125. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031114.htm.
- [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, pp. 1126–1137. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031126.htm.
- [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, pp. 1138–1150. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031138.htm.
- [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, pp. 1151–1161. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031151.htm.
- [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, pp. 1162–1176. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031162.htm.
- [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, pp. 1177-1188. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031177.htm.
- [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, pp. 1189-1200. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031189.htm.
- [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, pp. 1201–1213. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031201.htm.

- [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, pp. 1214-1225. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031214.htm.
- [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, pp. 1226-1238. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031226.htm.
- [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, pp. 1239–1250. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031239.htm.
- [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, pp. 1251–1262. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031251.htm.
- [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, pp. 1263-1274. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031263.htm.
- [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, pp. 1275–1286. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031275.htm.
- [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, pp. 1287–1298. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031287.htm.
- [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*, pp. 1299–1300. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031299.htm.
- [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, pp. 1301-1302. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031301.htm.
- [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, pp. 1303-1304. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031303.htm.
- [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, pp. 1305–1306. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031305.htm.
- [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, pp. 1307-1309. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031307.htm.
- [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, pp. 1310-1311. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031310.htm.
- [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, pp. 1312–1313. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031312.htm.
- [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, pp. 1314–1315. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004.
 - http://link.springer.de/link/service/series/0558/bibs/3103/31031314.htm.

- [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, pp. 1316-1317. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031316.htm.
- [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, pp. 1318–1319. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031318.htm.
- [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, pp. 1320–1321. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031320.htm.
- [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, pp. 1322-1323. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031322.htm.
- [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, pp. 1324–1325. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031324.htm.
- [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, pp. 1326–1327. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031326.htm.
- [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, pp. 1328–1329. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031328.htm.
- [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*, pp. 1330–1331. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004.
- http://link.springer.de/link/service/series/0558/bibs/3103/31031330.htm.
- [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, pp. 1332–1333. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031332.htm.
- [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, pp. 1334-1335. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031334.htm.
- [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, pp. 1336–1337. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031336.htm.
- [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, pp. 1338-1349. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031338.htm.
- [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, pp. 1350–1362. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031350.htm.
- [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, pp. 1363–1374. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031363.htm.
- [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, pp. 1375-1387. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031375.htm.

- [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, pp. 1388-1399. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031388.htm.
- [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, pp. 1400-1412. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031400.htm.
- [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, pp. 1413–1424. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031413.htm.
- [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, pp. 1425–1426. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031425.htm.
- [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, pp. 1427–1428. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031427.htm.
- [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, pp. 1429-1430. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031429.htm.
- [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, pp. 1431–1432. Springer-Verlag, Seattle, WA, USA, 26-30 june, 2004. http://link.springer.de/link/service/series/0558/bibs/3103/31031431.htm.