

Список литературы

- [1] Paz-Ramos, M. A., Torres-Jimenez, J., Quintero-Marmol-Marquez, E., and Estrada-Esquivel, H.: PID Controller Tuning for Stable and Unstable Processes Applying GA. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1–10. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [2] Pedersen, G. K. and Goldberg, D. E.: Dynamic Uniform Scaling for Multiobjective Genetic Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 11–23. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [3] Pelikan, M. and Lin, T.-K.: Parameter-Less Hierarchical BOA. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 24–35. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [4] Pelikan, M., Ocenasek, J., Trebst, S., Troyer, M., and Alet, F.: Computational Complexity and Simulation of Rare Events of Ising Spin Glasses. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 36–47. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [5] Pelikan, M. and Sastry, K.: Fitness Inheritance in the Bayesian Optimization Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 48–59. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [6] Rashidi, F. and Rashidi, M.: Limit Cycle Prediction in Multivariable Nonlinear Systems Using Genetic Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 60–68. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [7] Reisinger, J., Stanley, K. O., and Miikkulainen, R.: Evolving Reusable Neural Modules. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 69–81. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [8] Renslow, M. A., Hinkemeyer, B., and Julstrom, B. A.: How Are We Doing? Predicting Evolutionary Algorithm Performance. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 82–89. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [9] Rigal, L., Castanier, B., and ppe Castagliola, P.: Introduction of a New Selection Parameter in Genetic Algorithm for Constrained Reliability Design Problems. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M.,

- Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 90–101. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [10] Rodriguez-Tello, E. and Torres-Jimenez, J.: Improving the Performance of a Genetic Algorithm Using a Variable-Reordering Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 102–113. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [11] Sastry, K. and Goldberg, D. E.: Designing Competent Mutation Operators Via Probabilistic Model Building of Neighborhoods. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 114–125. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [12] Sastry, K. and Goldberg, D. E.: Let’s Get Ready to Rumble: Crossover Versus Mutation Head to Head. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 126–137. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [13] Schmitt, L. M.: Classification with Scaled Genetic Algorithms in a Coevolutionary Setting. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 138–149. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [14] Seo, D.-I., Choi, S.-S., and Moon, B.-R.: New Epistasis Measures for Detecting Independently Optimizable Partitions of Variables. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 150–161. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [15] Sheng, W., Tucker, A., and Liu, X.: Clustering with Niching Genetic K-means Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 162–173. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [16] Soltoggio, A.: A Comparison of Genetic Programming and Genetic Algorithms in the Design of a Robust, Saturated Control System. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 174–185. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [17] Streeter, M. J.: Upper Bounds on the Time and Space Complexity of Optimizing Additively Separable Functions. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 186–197. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [18] Stringer, H. and Wu, A. S.: Winnowing Wheat from Chaff: The Chunking GA. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 198–209. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [19] Tay, J. C. and Wibowo, D.: An Effective Chromosome Representation for Evolving Flexible Job Shop Schedules. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 210–221. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [20] Tezuka, M., Munetomo, M., and Akama, K.: Linkage Identification by Nonlinearity Check for Real-Coded Genetic Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 222–233. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [21] Thierens, D.: Population-Based Iterated Local Search: Restricting Neighborhood Search by Crossover. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 234–245. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [22] Tsuji, M., Munetomo, M., and Akama, K.: Modeling Dependencies of Loci with String Classification According to Fitness Differences. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 246–257. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [23] Tzschoppe, C., Rothlauf, F., and Pesch, H.-J.: The Edge-Set Encoding Revisited: On the Bias of a Direct Representation for Trees. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 258–270. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [24] Uyar, S., Sariel, S., and Eryigit, G.: A Gene Based Adaptive Mutation Strategy for Genetic Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 271–281. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [25] Whitley, D., Bush, K., and Rowe, J.: Subthreshold-Seeking Behavior and Robust Local Search. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 282–293. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [26] Whitley, D., Lunacek, M., and Knight, J.: Ruffled by Ridges: How Evolutionary Algorithms Can Fail. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004*,

Part II, vol. 3103 of *Lecture Notes in Computer Science*, 294–306. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [27] Willis-Ford, C. and Soule, T.: Non-stationary Subtasks Can Improve Diversity in Stationary Tasks. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 307–317. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [28] Wineberg, M. and Chen, J.: The Shifting Balance Genetic Algorithm as More than Just Another Island Model GA. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 318–329. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [29] Wright, A. and Cripe, G.: Bistability of the Needle Function in the Presence of Truncation Selection. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 330–342. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [30] Wright, A., Poli, R., Stephens, C. R., Langdon, W., and Pulavarty, S.: An Estimation of Distribution Algorithm Based on Maximum Entropy. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 343–354. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [31] Yu, T.-L. and Goldberg, D. E.: Dependency Structure Matrix Analysis: Offline Utility of the Dependency Structure Matrix Genetic Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 355–366. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [32] Yu, T.-L. and Goldberg, D. E.: Toward an Understanding of the Quality and Efficiency of Model Building for Genetic Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 367–378. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [33] Andrews, M. W. and Salzberg, C.: Sexual and Asexual Paradigms in Evolution: The Implications for Genetic Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 379–380. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [34] Bae, S.-H. and Moon, B.-R.: Mutation Rates in the Context of Hybrid Genetic Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 381–382. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [35] Bambha, N. K., Bhattacharyya, S. S., Teich, J., and Zitzler, E.: Systematic Integration of Parameterized Local Search Techniques in Evolutionary Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 383–384. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [36] Chen, Y.-C., Yang, J.-M., Tsai, C.-H., and Kao, C.-Y.: Comparative Molecular Binding Energy Analysis of HIV-1 Protease Inhibitors Using Genetic Algorithm-Based Partial Least Squares Method. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 385–386. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [37] Dallaali, M. A. and Premaratne, M.: Controlled Content Crossover: A New Crossover Scheme and Its Application to Optical Network Component Allocation Problem. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 387–389. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [38] Deviredy, V. and Reed, P.: Efficient and Reliable Evolutionary Multiobjective Optimization Using e-Dominance Archiving and Adaptive Population Sizing. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 390–391. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [39] Frommer, I., Golden, B., and Pundoor, G.: Heuristic Methods for Solving Euclidean Non-uniform Steiner Tree Problems. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 392–393. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [40] de Silva Garza, A. G. and Loes, A. Z.: Automating Evolutionary Art in the Style of Mondrian. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 394–395. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [41] Handa, H.: Mutation Can Improve the Search Capability of Estimation of Distribution Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 396–397. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [42] Kim, J.-H., Choi, S.-S., and Moon, B.-R.: Neural Network Normalization for Genetic Search. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 398–399. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [43] Kim, Y.-H. and Moon, B.-R.: Distance Measures in Genetic Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J.,

- Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 400–401. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [44] Kleeman, M. P., Day, R. O., and Lamont, G. B.: Analysis of a Parallel MOEA Solving the Multi-objective Quadratic Assignment Problem. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 402–403. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [45] Kwon, Y.-K. and Moon, B.-R.: Evolving Features in Neural Networks for System Identification. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 404–405. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [46] Lefort, V., Knibbe, C., Beslon, G., and Favrel, J.: A Bio-inspired Genetic Algorithm with a Self-Organizing Genome: The RBF-Gene Model. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 406–407. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [47] Liu, J. and Buller, A.: Evolving Spike-Train Processors. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 408–409. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [48] Lobo, F. G.: A Philosophical Essay on Life and Its Connections with Genetic Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 410–411. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [49] Lobo, F. G., Lima, C. F., and Mártires, H.: An Architecture for Massive Parallelization of the Compact Genetic Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 412–413. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [50] Rotar, C.: An Evolutionary Technique for Multicriterial Optimization Based on Endocrine Paradigm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 414–415. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [51] Tavares, J., Pereira, F. B., and Costa, E.: Evolving Golomb Rulers. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 416–417. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [52] Yu, H., Jiang, N., and Wu, A. S.: Populating Genomes in a Dynamic Grid. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J.,

- Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 418–419. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [53] Zhu, K. Q. and Liu, Z.: Empirical Study of Population Diversity in Permutation-Based Genetic Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 420–421. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [54] Balan, G. C. and Luke, S.: A Demonstration of Neural Programming Applied to Non-Markovian Problems. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 422–433. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [55] Branke, J., Funes, P., and Thiele, F.: Evolving En-Route Caching Strategies for the Internet. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 434–446. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [56] Dempsey, I., O’Neill, M., and Brabazon, A.: Grammatical Constant Creation. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 447–458. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [57] Eskridge, B. E. and Hougen, D. F.: Memetic Crossover for Genetic Programming: Evolution Through Imitation. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 459–470. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [58] Fernandez, T.: Virtual Ramping of Genetic Programming Populations. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 471–482. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [59] Fukunaga, A. S.: Evolving Local Search Heuristics for SAT Using Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 483–494. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [60] Hornby, G. S.: Shortcomings with Tree-Structured Edge Encodings for Neural Networks. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 495–506. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [61] Janikow, C. Z.: Adapting Representation in Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M.,

- Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 507–518. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [62] Jung, J.-Y. and Reggia, J. A.: A Descriptive Encoding Language for Evolving Modular Neural Networks. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 519–530. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [63] Keijzer, M., Ryan, C., and Cattolico, M.: Run Transferable Libraries – Learning Functional Bias in Problem Domains. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 531–542. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [64] Kirshenbaum, E. and Suermondt, H. J.: Using Genetic Programming to Obtain a Closed-Form Approximation to a Recursive Function. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 543–556. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [65] Leier, A. and Banzhaf, W.: Comparison of Selection Strategies for Evolutionary Quantum Circuit Design. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 557–568. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [66] Massey, P., Clark, J. A., and Stepney, S.: Evolving Quantum Circuits and Programs Through Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 569–580. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [67] McIntyre, A. and Heywood, M.: On Multi-class Classification by Way of Niching. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 581–592. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [68] McPhee, N. F., Jarvis, A., and Crane, E. F.: On the Strength of Size Limits in Linear Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 593–604. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [69] Hoai, N. X. and McKay, R.: Softening the Structural Difficulty in Genetic Programming with TAG-Based Representation and Insertion/Deletion Operators. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 605–616. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [70] O'Neill, M., Brabazon, A., Nicolau, M., Garraghy, S. M., and Keenan, P.: π Grammatical Evolution. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 617–629. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [71] Panait, L. and Luke, S.: Alternative Bloat Control Methods. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 630–641. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [72] Pilat, M. L. and Oppacher, F.: Robotic Control Using Hierarchical Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 642–653. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [73] Ryan, C., Majeed, H., and Azad, A.: A Competitive Building Block Hypothesis. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 654–665. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [74] Silva, S. and Costa, E.: Dynamic Limits for Bloat Control: Variations on Size and Depth. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 666–677. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [75] Terrio, M. D. and Heywood, M. I.: On Naive Crossover Biases with Reproduction for Simple Solutions to Classification Problems. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 678–689. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [76] Vanneschi, L., Clergue, M., Collard, P., Tomassini, M., and Vérel, S.: Fitness Clouds and Problem Hardness in Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 690–701. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [77] Bernstein, Y., Li, X., Ciesielski, V., and Song, A.: Improving Generalisation Performance Through Multiobjective Parsimony Enforcement. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 702–703. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [78] Fernlund, H. and Gonzalez, A. J.: Using GP to Model Contextual Human Behavior. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 704–705. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [79] Harmon, S., Rodríguez, E., Zhong, C., and Hsu, W.: A Comparison of Hybrid Incremental Reuse Strategies for Reinforcement Learning in Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 706–707. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [80] Liu, H. and Iba, H.: Humanoid Robot Programming Based on CBR Augmented GP. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 708–709. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [81] Mabu, S., Hirasawa, K., and Hu, J.: Genetic Network Programming with Reinforcement Learning and Its Performance Evaluation. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 710–711. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [82] Murata, T. and Nakamura, T.: Multi-agent Cooperation Using Genetic Network Programming with Automatically Defined Groups. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 712–714. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [83] Piaseczny, W., Suzuki, H., and Sawai, H.: Chemical Genetic Programming – Coevolution Between Genotypic Strings and Phenotypic Trees. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 715–716. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [84] Quan, W. and Soule, T.: A Study of the Role of Single Node Mutation in Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 717–718. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [85] Rodríguez-Vázquez, K. and Oliver-Morales, C.: Multi-branches Genetic Programming as a Tool for Function Approximation. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 719–721. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [86] Seo, K., Hu, J., Fan, Z., Goodman, E. D., and Rosenberg, R. C.: Hierarchical Breeding Control for Efficient Topology/Parameter Evolution. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 722–723. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [87] Taniguchi, K. and Terano, T.: Keeping the Diversity with Small Populations Using Logic-Based Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L.,

- Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 724–725. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [88] Bacardit, J. and Garrell, J. M.: Analysis and Improvements of the Adaptive Discretization Intervals Knowledge Representation. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 726–738. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [89] Butz, M. V., Goldberg, D. E., and Lanzi, P. L.: Bounding Learning Time in XCS. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 739–750. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [90] Butz, M. V., Goldberg, D. E., and Lanzi, P. L.: Gradient-Based Learning Updates Improve XCS Performance in Multistep Problems. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 751–762. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [91] Ferrandi, F., Lanzi, P. L., and Sciuto, D.: System Level Hardware-Software Design Exploration with XCS. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 763–773. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [92] Huang, C.-Y. and Sun, C.-T.: Parameter Adaptation within Co-adaptive Learning Classifier Systems. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 774–784. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [93] Kovacs, T. and Kerber, M.: High Classification Accuracy Does Not Imply Effective Genetic Search. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 785–796. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [94] Llorà, X. and Wilson, S. W.: Mixed Decision Trees: Minimizing Knowledge Representation Bias in LCS. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 797–809. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [95] Sigaud, O., Gourdin, T., and Willemin, P.-H.: Improving MACS Thanks to a Comparison with 2TBNs. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 810–823. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [96] Wilson, S. W.: Classifier Systems for Continuous Payoff Environments. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 824–835. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [97] Chia, H. W.-K. and Tan, C.-L.: Confidence and Support Classification Using Genetically Programmed Neural Logic Networks. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 836–837. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [98] Acan, A. and Unveren, A.: An Evolutionary Constraint Satisfaction Solution for Over the Cell Channel Routing. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 838–849. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [99] Agarwal, A., Lim, M.-H., Chew, C. Y., Poo, T. K., Er, M. J., and Leong, Y. K.: Solution to the Fixed Airbase Problem for Autonomous URAV Site Visitation Sequencing. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 850–858. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [100] Agarwal, A., Lim, M.-H., Kyaw, M. Y. W., and Er, M. J.: Inflight Rerouting for an Unmanned Aerial Vehicle. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 859–868. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [101] Ali, W. and Topchy, A.: Memetic Optimization of Video Chain Designs. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 869–882. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [102] Bandte, O. and Malinchik, S.: A Broad and Narrow Approach to Interactive Evolutionary Design – An Aircraft Design Example. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 883–895. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [103] Bhanu, B., Yu, J., Tan, X., and Lin, Y.: Feature Synthesis Using Genetic Programming for Face Expression Recognition. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 896–907. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [104] Bui, T. N. and Youssef, W. A.: An Enhanced Genetic Algorithm for DNA Sequencing by Hybridization with Positive and Negative Errors. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 908–919. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [105] Deb, K., Mitra, K., Dewri, R., and Majumdar, S.: Unveiling Optimal Operating Conditions for an Epoxy Polymerization Process Using Multi-objective Evolutionary Computation. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 920–931. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [106] Elliott, L., Ingham, D. B., Kyne, A. G., Mera, N. S., Pourkashanian, M., and Whittaker, S.: Efficient Clustering-Based Genetic Algorithms in Chemical Kinetic Modelling. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 932–944. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [107] Elliott, L., Ingham, D. B., Kyne, A. G., Mera, N. S., Pourkashanian, M., and Wilson, C. W.: An Informed Operator Based Genetic Algorithm for Tuning the Reaction Rate Parameters of Chemical Kinetics Mechanisms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 945–956. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [108] Gomez, F. J. and Miikkulainen, R.: Transfer of Neuroevolved Controllers in Unstable Domains. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 957–968. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [109] Grasemann, U. and Miikkulainen, R.: Evolving Wavelets Using a Coevolutionary Genetic Algorithm and Lifting. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 969–980. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [110] Hamza, K. and Saitou, K.: Optimization of Constructive Solid Geometry Via a Tree-Based Multi-objective Genetic Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 981–992. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [111] Hercog, L. M.: Co-evolutionary Agent Self-Organization for City Traffic Congestion Modeling. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 993–1004. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [112] zena Hidovic, D. and Rowe, J. E.: Validating a Model of Colon Colouration Using an Evolution Strategy with Adaptive Approximations. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1005–1016. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [113] Hussain, T., Montana, D., and Vidaver, G.: Evolution-Based Deliberative Planning for Cooperating Unmanned Ground Vehicles in a Dynamic Environment. In Deb, K., Poli, R.,

- Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1017–1029. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [114] Kamalian, R., Takagi, H., and Agogino, A. M.: Optimized Design of MEMS by Evolutionary Multi-objective Optimization with Interactive Evolutionary Computation. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1030–1041. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [115] Keedwell, E. and Khu, S.-T.: Hybrid Genetic Algorithms for Multi-Objective Optimisation of Water Distribution Networks. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1042–1053. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [116] Kim, J.-P., Kim, Y.-H., and Moon, B.-R.: A Hybrid Genetic Approach for Circuit Bipartitioning. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1054–1064. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [117] Kim, Y.-H. and Moon, B.-R.: Lagrange Multiplier Method for Multi-campaign Assignment Problem. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1065–1077. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [118] Kordon, A., Jordaán, E., Chew, L., Smits, G., Bruck, T., Haney, K., and Jennings, A.: Biomass Inferential Sensor Based on Ensemble of Models Generated by Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1078–1089. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [119] Kowaliw, T., Kharma, N., Jensen, C., Moghnieh, H., and Yao, J.: CellNet Co-Ev: Evolving Better Pattern Recognizers Using Competitive Co-evolution. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1090–1101. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [120] Kwon, Y.-K. and Moon, B.-R.: Evolutionary Ensemble for Stock Prediction. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1102–1113. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
 - [121] Lam, B. and Ciesielski, V.: Discovery of Human-Competitive Image Texture Feature Extraction Programs Using Genetic Programming. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1114–1125. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [122] Liang, Y., Leung, K.-S., and Mok, T. S. K.: Evolutionary Drug Scheduling Model for Cancer Chemotherapy. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1126–1137. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [123] Lu, G. and Areibi, S.: An Island-Based GA Implementation for VLSI Standard-Cell Placement. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1138–1150. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [124] Malinchik, S. and Bonabeau, E.: Exploratory Data Analysis with Interactive Evolution. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1151–1161. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [125] Martikainen, J. and Ovaska, S. J.: Designing Multiplicative General Parameter Filters Using Adaptive Genetic Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1162–1176. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [126] Maslov, I. V.: Reducing the Cost of the Hybrid Evolutionary Algorithm with Image Local Response in Electronic Imaging. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1177–1188. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [127] Nagata, Y.: The Lens Design Using the CMA-ES Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1189–1200. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [128] Sanderson, R.: Automatic Synthesis of an 802.11a Wireless LAN Antenna Using Genetic Programming A Real World Application. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1201–1213. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [129] Sim, E., Jung, S., Kim, H., and Park, J.: A Generic Network Design for a Closed-Loop Supply Chain Using Genetic Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1214–1225. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [130] Stanley, K. O. and Miikkulainen, R.: Evolving a Roving Eye for Go. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1226–1238. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [131] Streichert, F., Ulmer, H., and Zell, A.: Comparing Discrete and Continuous Genotypes on the Constrained Portfolio Selection Problem. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1239–1250. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [132] Tettamanzi, A., Sammartino, L., Simonov, M., Soroldoni, M., and Beretta, M.: Learning Environment for Life Time Value Calculation of Customers in Insurance Domain. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1251–1262. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [133] Tulai, A. F. and Oppacher, F.: Multiple Species Weighted Voting – A Genetics-Based Machine Learning System. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1263–1274. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [134] Ványi, R.: Object Oriented Design and Implementation of a General Evolutionary Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1275–1286. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [135] Weinert, K. and Stautner, M.: Generating Multiaxis Tool Paths for Die and Mold Making with Evolutionary Algorithms. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1287–1298. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [136] Ballester, P. J. and Carter, J. N.: Tackling an Inverse Problem from the Petroleum Industry with a Genetic Algorithm for Sampling. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1299–1300. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [137] Barbieri, A., Cagnoni, S., and Colavolpe, G.: A Genetic Approach for Generating Good Linear Block Error-Correcting Codes. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1301–1302. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [138] Choi, Y.-S. and Moon, B.-R.: Genetic Fuzzy Discretization for Classification Problems. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1303–1304. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [139] González, L. C., Romero, H. J., and Brizuela, C. A.: A Genetic Algorithm for the Shortest Common Superstring Problem. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E.,

- Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1305–1306. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [140] Hodjat, B., Ito, J., and Amamiya, M.: A Genetic Algorithm to Improve Agent-Oriented Natural Language Interpreters. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1307–1309. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [141] Hong, Q., Kwong, S., and Wang, H.: Optimization of Gaussian Mixture Model Parameters for Speaker Identification. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1310–1311. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [142] Leon, E., Nasraoui, O., and Gomez, J.: Network Intrusion Detection Using Genetic Clustering. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1312–1313. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [143] Llorá, X., Ohnishi, K., ping Chen, Y., Goldberg, D. E., and Welge, M. E.: Enhanced Innovation: A Fusion of Chance Discovery and Evolutionary Computation to Foster Creative Processes and Decision Making. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1314–1315. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [144] Lloyd, L. D., Johnston, R. L., and Salhi, S.: Development of a Genetic Algorithm for Optimization of Nanoalloys. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1316–1317. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [145] Matsui, S., Watanabe, I., and ichi Tokoro, K.: Empirical Performance Evaluation of a Parameter-Free GA for JSSP. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1318–1319. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [146] Mohr, J. and Li, X.: A Caching Genetic Algorithm for Spectral Breakpoint Matching. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1320–1321. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [147] Moore, R. L., Williams, A., and Sheppard, J.: Multi-agent Simulation of Airline Travel Markets. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103

of *Lecture Notes in Computer Science*, 1322–1323. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [148] Nasraoui, O. and Leon, E.: Improved Niching and Encoding Strategies for Clustering Noisy Data Sets. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1324–1325. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [149] Northern, J. and Shanblatt, M.: A Multi-objective Approach to Configuring Embedded System Architectures. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1326–1327. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [150] Sato, Y.: Achieving Shorter Search Times in Voice Conversion Using Interactive Evolution. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1328–1329. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [151] Stephens, C., Waelbroeck, H., Talley, S., Cruz, R., and Ash, A.: Predicting Healthcare Costs Using Classifiers. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1330–1331. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [152] Vogts, K. and Pope, N.: Generating Compact Rough Cluster Descriptions Using an Evolutionary Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1332–1333. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [153] Wedde, H. F., Farooq, M., and Lischka, M.: An Evolutionary Meta Hierarchical Scheduler for the Linux Operating System. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1334–1335. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [154] Wu, Z., Tang, Z., Zou, J., Kang, L., and Li, M.: An Evolutionary Algorithm for Parameters Identification in Parabolic Systems. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1336–1337. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [155] Adamopoulos, K., Harman, M., and Hierons, R. M.: How to Overcome the Equivalent Mutant Problem and Achieve Tailored Selective Mutation Using Co-evolution. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1338–1349. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6

- [156] Lammermann, F., Baresel, A., and Wegener, J.: Evaluating Evolutionary Testability with Software-Measurements. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1350–1362. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [157] McMinn, P. and Holcombe, M.: Hybridizing Evolutionary Testing with the Chaining Approach. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1363–1374. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [158] Mitchell, B. S., Mancoridis, S., and Traverso, M.: Using Interconnection Style Rules to Infer Software Architecture Relations. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1375–1387. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [159] Vivanco, R. and Pizzi, N.: Finding Effective Software Metrics to Classify Maintainability Using a Parallel Genetic Algorithm. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1388–1399. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [160] Wegener, J. and Bühler, O.: Evaluation of Different Fitness Functions for the Evolutionary Testing of an Autonomous Parking System. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1400–1412. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [161] Zhan, Y. and Clark, J.: Search Based Automatic Test-Data Generation at an Architectural Level. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1413–1424. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [162] Antonioli, G., Penta, M. D., and Harman, M.: Search-Based Techniques for Optimizing Software Project Resource Allocation. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1425–1426. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [163] Baresel, A., Sthamer, H., and Wegener, J.: Applying Evolutionary Testing to Search for Critical Defects. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1427–1428. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [164] Derderian, K., Hierons, R. M., Harman, M., and Guo, Q.: Input Sequence Generation for Testing of Communicating Finite State Machines (CFSMs). In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland,

- O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1429–1430. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6
- [165] Ferreira, L. P. and Vergilio, S. R.: TDSGen: An Environment Based on Hybrid Genetic Algorithms for Generation of Test Data. In Deb, K., Poli, R., Banzhaf, W., Beyer, H.-G., Burke, E., Darwen, P., Dasgupta, D., Floreano, D., Foster, J., Harman, M., Holland, O., Lanzi, P. L., Spector, L., Tettamanzi, A., Thierens, D., and Tyrrell, A., eds., *Genetic and Evolutionary Computation – GECCO-2004, Part II*, vol. 3103 of *Lecture Notes in Computer Science*, 1431–1432. Springer-Verlag, Seattle, WA, USA (2004). ISBN 3-540-22343-6