Список литературы

- [1] J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, editors, volume 2439 of *Lecture Notes in Computer Science*, *LNCS*, Granada, Spain, 2002, Springer-Verlag.
- [2] D. V. Arnold and H.-G. Beyer, Random dynamics optimum tracking with evolution strategies, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 3-12, Granada, Spain, 2002, Springer-Verlag.
- [3] R. Eriksson and B. Olsson, On the behavior of evolutionary global-local hybrids with dynamic fitness functions, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 13-22, Granada, Spain, 2002, Springer-Verlag.
- [4] J. I. van Hemert and T. Bäck, Measuring the searched space to guide efficiency: The principle and evidence on constraint satisfaction, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 23–32, Granada, Spain, 2002, Springer-Verlag.
- [5] T. Jansen, On the analysis of dynamic restart strategies for evolutionary algorithms, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 33-43, Granada, Spain, 2002, Springer-Verlag.
- [6] M. Laumanns, L. Thiele, E. Zitzler, E. Welzl, and K. Deb, Running time analysis of multi-objective evolutionary algorithms on a simple discrete optimization problem, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 44–53, Granada, Spain, 2002, Springer-Verlag.
- [7] J. Scharnow, K. Tinnefeld, and I. Wegener, Fitness landscapes based on sorting and shortest paths problems, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 54-63, Granada, Spain, 2002, Springer-Verlag.
- [8] K. Weicker, Performance measures for dynamic environments, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 64-76, Granada, Spain, 2002, Springer-Verlag.
- [9] C. Eckert and J. Gottlieb, Direct representation and variation operators for the fixed charge transportation problem, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 77–87, Granada, Spain, 2002, Springer-Verlag.
- [10] J. D. Knowles and R. A. Watson, On the utility of redundant encodings in mutation-based evolutionary search, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 88–98, Granada, Spain, 2002, Springer-Verlag.

- [11] F. Rothlauf, Binary representations of integers and the performance of selectorecombinative genetic algorithms, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 99–110, Granada, Spain, 2002, Springer-Verlag.
- [12] H. E. Aguirre and K. Tanaka, Parallel varying mutation in deterministic and self-adaptive GAs, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 111–121, Granada, Spain, 2002, Springer-Verlag.
- [13] D. Büche, G. Guidati, P. Stoll, and P. Koumoutsakos, Self-organizing maps for pareto optimization of airfoils, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 122–131, Granada, Spain, 2002, Springer-Verlag.
- [14] D. Corne, M. J. Oates, and D. B. Kell, On fitness distributions and expected fitness gain of mutation rates in parallel evolutionary algorithms, in *Parallel Problem Solving from Nature -PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 132–141, Granada, Spain, 2002, Springer-Verlag.
- [15] B. Dolin, M. G. Arenas, and J. J. M. Guervós, Opposites attract: Complementary phenotype selection for crossover in genetic programming, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 142–152, Granada, Spain, 2002, Springer-Verlag.
- [16] C. Hervás-Martínez, D. Ortiz-Boyer, and N. García-Pedrajas, Theoretical analysis of the confidence interval based crossover for real-coded genetic algorithms, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 153–161, Granada, Spain, 2002, Springer-Verlag.
- [17] K. Ikeda and S. Kobayashi, Deterministic multi-step crossover fusion: A handy crossover composition for GAs, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 162–171, Granada, Spain, 2002, Springer-Verlag.
- [18] M. Jelasity, M. Preuß, and A. E. Eiben, Operator learning for a problem class in a distributed peer-to-peer environment, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 172–183, Granada, Spain, 2002, Springer-Verlag.
- [19] D. Ortiz-Boyer, C. Hervás-Martínez, and N. García-Pedrajas, Crossover operator effect in function optimization with constraints, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 184–193, Granada, Spain, 2002, Springer-Verlag.
- [20] T. P. Runarsson, Reducing random fluctuations in mutative self-adaptation, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas,

- and H.-P. Schwefel, volume 2439 of *Lecture Notes in Computer Science*, *LNCS*, pages 194–203, Granada, Spain, 2002, Springer-Verlag.
- [21] G. R. Raidl, G. Kodydek, and B. A. Julstrom, On weight-biased mutation for graph problems, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 204–213, Granada, Spain, 2002, Springer-Verlag.
- [22] R. Thomsen and T. Krink, Self-adaptive operator scheduling using the religion-based EA, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 214–223, Granada, Spain, 2002, Springer-Verlag.
- [23] S. Tsutsui, Probabilistic model-building genetic algorithms in permutation representation domain using edge histogram, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 224–233, Granada, Spain, 2002, Springer-Verlag.
- [24] D. Wiesmann, From syntactical to semantical mutation operators for structure optimization, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 234–246, Granada, Spain, 2002, Springer-Verlag.
- [25] A. Iorio and X. Li, Parameter control within a co-operative co-evolutionary genetic algorithm, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 247–256, Granada, Spain, 2002, Springer-Verlag.
- [26] R. P. Wiegand, W. C. Liles, and K. A. D. Jong, The effects of representational bias on collaboration methods in cooperative coevolution, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 257–270, Granada, Spain, 2002, Springer-Verlag.
- [27] N. Jozefowiez, F. Semet, and E.-G. Talbi, Parallel and hybrid models for multi-objective optimization: Application to the vehicle routing problem, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 271–280, Granada, Spain, 2002, Springer-Verlag.
- [28] M. Kanazaki, M. Morikawa, S. Obayashi, and K. Nakahashi, Multiobjective design optimization of merging configuration for an exhaust manifold of a car engine, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 281–287, Granada, Spain, 2002, Springer-Verlag.
- [29] N. Keerativuttitumrong, N. Chaiyaratana, and V. Varavithya, Multi-objective co-operative co-evolutionary genetic algorithm, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 288–297, Granada, Spain, 2002, Springer-Verlag.

- [30] M. Laumanns and J. Ocenasek, Bayesian optimization algorithms for multi-objective optimization, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 298–307, Granada, Spain, 2002, Springer-Verlag.
- [31] H. Richter, An evolutionary algorithm for controlling chaos: The use of multi-objective fitness functions, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 308–320, Granada, Spain, 2002, Springer-Verlag.
- [32] P. Adamidis and V. Petridis, On modelling evolutionary algorithm implementations through cooperating populations, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 321–330, Granada, Spain, 2002, Springer-Verlag.
- [33] P. A. N. Bosman and D. Thierens, Permutation optimization by iterated estimation of random keys marginal product factorizations, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 331-340, Granada, Spain, 2002, Springer-Verlag.
- [34] E. K. Burke, S. M. Gustafson, G. Kendall, and N. Krasnogor, Advanced population diversity measures in genetic programming, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 341–350, Granada, Spain, 2002, Springer-Verlag.
- [35] Y.-P. Chen and D. E. Goldberg, Introducing start expression genes to the linkage learning genetic algorithm, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 351–360, Granada, Spain, 2002, Springer-Verlag.
- [36] M. Emmerich, A. Giotis, M. Özdemir, T. Bäck, and K. Giannakoglou, Metamodel-assisted evolution strategies, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 361–370, Granada, Spain, 2002, Springer-Verlag.
- [37] M. Giacobini, M. Tomassini, and L. Vanneschi, Limiting the number of fitness cases in genetic programming using statistics, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 371–380, Granada, Spain, 2002, Springer-Verlag.
- [38] J. Horn, Resource-based fitness sharing, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 381-390, Granada, Spain, 2002, Springer-Verlag.
- [39] J. Huhse, T. Villmann, P. Merz, and A. Zell, Evolution strategy with neighborhood attraction using a neural gas approach, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 391-400, Granada, Spain, 2002, Springer-Verlag.

- [40] P. Liu, F. C. M. Lau, M. J. Lewis, and C.-L. Wang, A new asynchronous parallel evolutionary algorithm for function optimization, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 401–410, Granada, Spain, 2002, Springer-Verlag.
- [41] S. Luke and L. Panait, Fighting bloat with nonparametric parsimony pressure, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 411–421, Granada, Spain, 2002, Springer-Verlag.
- [42] S. D. Müller, N. Hansen, and P. Koumoutsakos, Increasing the serial and the parallel performance of the CMA-evolution strategy with large populations, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 422–431, Granada, Spain, 2002, Springer-Verlag.
- [43] C. Munteanu and A. C. Rosa, Adaptive reservoir genetic algorithm with on-line decision making, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 432-441, Granada, Spain, 2002, Springer-Verlag.
- [44] G. Romero, J. J. M. Guervós, P. A. C. Valdivieso, J. G. Castellano, and M. G. Arenas, Genetic algorithm visualization using self-organizing maps, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 442–451, Granada, Spain, 2002, Springer-Verlag.
- [45] R. Roy and A. Tiwari, Generalised regression GA for handling inseparable function interaction: Algorithm and applications, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 452-463, Granada, Spain, 2002, Springer-Verlag.
- [46] R. K. Ursem, Diversity-guided evolutionary algorithms, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 462–474, Granada, Spain, 2002, Springer-Verlag.
- [47] L. A. B. Muñoz, Evolutionary optimization of heterogeneous problems, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 475–484, Granada, Spain, 2002, Springer-Verlag.
- [48] J. Dorado, J. R. Rabuñal, A. Santos, A. Pazos, and D. Rivero, Automatic recurrent and feed-forward ANN rule and expression extraction with genetic programming, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 485–494, Granada, Spain, 2002, Springer-Verlag.
- [49] Y. Liu and X. Yao, Learning and evolution by minimization of mutual information, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain,

- September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 495–504, Granada, Spain, 2002, Springer-Verlag.
- [50] V. M. R. Santos, P. A. C. Valdivieso, and J. J. M. Guervós, Evolved RBF networks for time-series forecasting and function approximation, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 505-516, Granada, Spain, 2002, Springer-Verlag.
- [51] J. González, I. Rojas, and H. Pomares, Evolutive identification of fuzzy systems for time-series prediction, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 517–526, Granada, Spain, 2002, Springer-Verlag.
- [52] W. Jakob, HyGLEAM an approach to generally applicable hybridization of evolutionary algorithms, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 527–536, Granada, Spain, 2002, Springer-Verlag.
- [53] J. Smith, Co-evolving memetic algorithms: Initial investigations, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 537-548, Granada, Spain, 2002, Springer-Verlag.
- [54] L. Bull and M. Studley, Consideration of multiple objectives in neural learning classifier systems, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 549-557, Granada, Spain, 2002, Springer-Verlag.
- [55] L. Bull, On using constructivism in neural classifier systems, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 558-567, Granada, Spain, 2002, Springer-Verlag.
- [56] L. Bull, D. Wyatt, and I. C. Parmee, Initial modifications to XCS for use in interactive evolutionary design, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 568-577, Granada, Spain, 2002, Springer-Verlag.
- [57] A. G. Pipe and B. Carse, First results from experiments in fuzzy classifier system architectures for mobile robotics, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 578–587, Granada, Spain, 2002, Springer-Verlag.
- [58] J. Hurst, L. Bull, and C. Melhuish, TCS learning classifier system controller on a real robot, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 588–600, Granada, Spain, 2002, Springer-Verlag.
- [59] E. Alba, M. Giacobini, M. Tomassini, and S. Romero, Comparing synchronous and asynchronous cellular genetic algorithms, in *Parallel Problem Solving from Nature PPSN VII*, 7th International

- Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 601–610, Granada, Spain, 2002, Springer-Verlag.
- [60] L. Barbulescu, A. E. Howe, J.-P. Watson, and L. D. Whitley, Satellite range scheduling: A comparison of genetic, heuristic and local search, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 611–620, Granada, Spain, 2002, Springer-Verlag.
- [61] T. Krink and M. Løvbjerg, The lifecycle model: Combining particle swarm optimisation, genetic algorithms and hillclimbers, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 621–630, Granada, Spain, 2002, Springer-Verlag.
- [62] M. Sampels, C. Blum, M. Mastrolilli, and O. Rossi-Doria, Metaheuristics for group shop scheduling, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 631-640, Granada, Spain, 2002, Springer-Verlag.
- [63] M. Tomassini, L. Vanneschi, F. F. de Vega, and G. G. Gil, Experimental investigation of three distributed genetic programming models, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 641-650, Granada, Spain, 2002, Springer-Verlag.
- [64] M. Zlochin and M. Dorigo, Model-based search for combinatorial optimization: A comparative study, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 651-664, Granada, Spain, 2002, Springer-Verlag.
- [65] M. G. Arenas et al., A framework for distributed evolutionary algorithms, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 665–675, Granada, Spain, 2002, Springer-Verlag.
- [66] P. A. C. Valdivieso et al., Optimisation of multilayer perceptrons using a distributed evolutionary algorithm with SOAP, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 676–688, Granada, Spain, 2002, Springer-Verlag.
- [67] E. F. Anderson, Off-line evolution of behaviour for autonomous agents in real-time computer games, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 689–699, Granada, Spain, 2002, Springer-Verlag.
- [68] L. Araujo, A parallel evolutionary algorithm for stochastic natural language parsing, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 700-709, Granada, Spain, 2002, Springer-Verlag.

- [69] O. Cordón, E. Herrera-Viedma, and M. Luque, Evolutionary learning of boolean queries by multiobjective genetic programming, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 710-719, Granada, Spain, 2002, Springer-Verlag.
- [70] C. Cotta and P. Moscato, Inferring phylogenetic trees using evolutionary algorithms, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 720-729, Granada, Spain, 2002, Springer-Verlag.
- [71] C. Cotta and J. Muruzábal, Towards a more efficient evolutionary induction of bayesian networks, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 730-739, Granada, Spain, 2002, Springer-Verlag.
- [72] H. F. G. García, A. G. Vega, A. H. Aguirre, J. L. Marroquín, and C. A. C. Coello, Robust multiscale affine 2D-image registration through evolution ary strategies, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 740–748, Granada, Spain, 2002, Springer-Verlag.
- [73] R. Garionis, Synthesizing graphical models employing explaining away, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 749–758, Granada, Spain, 2002, Springer-Verlag.
- [74] R. Joan-Arinyo, M. V. Luzón, and A. Soto-Riera, Constructive geometric constraint solving: A new application of genetic algorithms, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 759–768, Granada, Spain, 2002, Springer-Verlag.
- [75] N. Krasnogor, B. P. Blackburne, E. K. Burke, and J. D. Hirst, Multimeme algorithms for protein structure prediction, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 769–778, Granada, Spain, 2002, Springer-Verlag.
- [76] H. Mabed, A. Caminada, J.-K. Hao, and D. Renaud, A dynamic traffic model for frequency assignment, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 779–788, Granada, Spain, 2002, Springer-Verlag.
- [77] S. Matsui, I. Watanabe, and K. ichi Tokoro, A parameter-free genetic algorithm for a fixed channel assignment problem with limited bandwidth, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 789–799, Granada, Spain, 2002, Springer-Verlag.
- [78] S. Matsui, I. Watanabe, and K. ichi Tokoro, Real-coded parameter-free genetic algorithm for job-shop scheduling problems, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 800–810, Granada, Spain, 2002, Springer-Verlag.

- [79] P. Merz and A. Zell, Clustering gene expression profiles with memetic algorithms, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 811–820, Granada, Spain, 2002, Springer-Verlag.
- [80] J. H. Moore and L. W. Hahn, Cellular automata and genetic algorithms for parallel problem solving in human genetics, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 821–830, Granada, Spain, 2002, Springer-Verlag.
- [81] M. Motegi, N. Homma, T. Aoki, and T. Higuchi, Evolutionary graph generation system and its application to bit-serial arithmetic circuit synthesis, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 831–840, Granada, Spain, 2002, Springer-Verlag.
- [82] B. Naujoks, L. Willmes, T. Bäck, and W. Haase, Evaluating multi-criteria evolutionary algorithms for airfoil optimisation, in *Parallel Problem Solving from Nature PPSN VII*, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 841–850, Granada, Spain, 2002, Springer-Verlag.
- [83] P. I. Cowling, G. Kendall, and E. Soubeiga, Hyperheuristics: A robust optimisation method applied to nurse scheduling, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 851–860, Granada, Spain, 2002, Springer-Verlag.
- [84] R. Thomsen, Evolving the topology of hidden markov models using evolutionary algorithms, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 861–870, Granada, Spain, 2002, Springer-Verlag.
- [85] N. Urquhart, P. Ross, B. Paechter, and K. Chisholm, Solving a real world routing problem using multiple evolutionary agents, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 871–882, Granada, Spain, 2002, Springer-Verlag.
- [86] L. Bianchi, L. M. Gambardella, and M. Dorigo, An ant colony optimization approach to the probabilistic traveling salesman problem, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 883–892, Granada, Spain, 2002, Springer-Verlag.
- [87] C. Blum and M. Sampels, When model bias is stronger than selection pressure, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 893–902, Granada, Spain, 2002, Springer-Verlag.
- [88] M. S. Capcarrère, Evolution of asynchronous cellular automata, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 903-912, Granada, Spain, 2002, Springer-Verlag.

- [89] J. Handl and B. Meyer, Improved ant-based clustering and sorting, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 913–923, Granada, Spain, 2002, Springer-Verlag.
- [90] G. Folino and G. Spezzano, An adaptive flocking algorithm for spatial clustering, in Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 924-933, Granada, Spain, 2002, Springer-Verlag.
- [91] M. Tomassini and M. Venzi, Evolution of asynchronous cellular automata for the density task, in Parallel Problem Solving from Nature PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, edited by J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas, and H.-P. Schwefel, volume 2439 of Lecture Notes in Computer Science, LNCS, pages 934–944, Granada, Spain, 2002, Springer-Verlag.