Список литературы

[Adamidis and Petridis(2002)] **Adamidis, P. and Petridis, V.** (2002). On modelling evolutionary algorithm implementations through co-operating populations. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Aguirre and Tanaka(2002)] **Aguirre, H. E. and Tanaka, K.** (2002). Parallel varying mutation in deterministic and self-adaptive GAs. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Alba et al.(2002)Alba, Giacobini, Tomassini and Romero] **Alba, E., Giacobini, M., Tomassini, M. and Romero, S.** (2002). Comparing synchronous and asynchronous cellular genetic algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Anderson(2002)] **Anderson, E. F.** (2002). Off-line evolution of behaviour for autonomous agents in real-time computer games. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Araujo(2002)] **Araujo, L.** (2002). A parallel evolutionary algorithm for stochastic natural language parsing. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Arenas et al.(2002)Arenas, Collet, Eiben, Jelasity, Guervós, Paechter, Preuß and Schoenauer] **Arenas, M. G., Collet, P., Eiben, A. E., Jelasity, M., Guervós, J. J. M., Paechter, B., Preuß, M. and Schoenauer, M.** (2002). A framework for distributed evolutionary algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Arnold and Beyer(2002)] **Arnold, D. V. and Beyer, H.-G.** (2002). Random dynamics optimum tracking with evolution strategies. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Barbulescu et al.(2002)Barbulescu, Howe, Watson and Whitley] **Barbulescu, L., Howe, A. E., Watson, J.-P. and Whitley, L. D.** (2002). Satellite range scheduling: A comparison of genetic, heuristic and local search. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Bianchi et al.(2002)Bianchi, Gambardella and Dorigo] **Bianchi, L., Gambardella, L. M. and Dorigo, M.** (2002). An ant colony optimization approach to the probabilistic traveling salesman problem. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada,*

Spain, September 7-11, 2002. Proceedings, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Blum and Sampels(2002)] **Blum, C. and Sampels, M.** (2002). When model bias is stronger than selection pressure. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Bosman and Thierens(2002)] **Bosman, P. A. N. and Thierens, D.** (2002). Permutation optimization by iterated estimation of random keys marginal product factorizations. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Büche et al.(2002)Büche, Guidati, Stoll and Koumoutsakos] **Büche, D., Guidati, G., Stoll, P. and Koumoutsakos, P.** (2002). Self-organizing maps for pareto optimization of airfoils. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Bull(2002)] **Bull, L.** (2002). On using constructivism in neural classifier systems. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Bull and Studley(2002)] **Bull, L. and Studley, M.** (2002). Consideration of multiple objectives in neural learning classifier systems. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Bull et al.(2002)Bull, Wyatt and Parmee] **Bull, L., Wyatt, D. and Parmee, I. C.** (2002). Initial modifications to XCS for use in interactive evolutionary design. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Burke et al.(2002)Burke, Gustafson, Kendall and Krasnogor] **Burke, E. K., Gustafson, S. M., Kendall, G. and Krasnogor, N.** (2002). Advanced population diversity measures in genetic programming. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Capcarrère(2002)] **Capcarrère, M. S.** (2002). Evolution of asynchronous cellular automata. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Chen and Goldberg(2002)] **Chen, Y.-P. and Goldberg, D. E.** (2002). Introducing start expression genes to the linkage learning genetic algorithm. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Cordón et al.(2002)Cordón, Herrera-Viedma and Luque] **Cordón, O., Herrera-Viedma, E. and Luque, M.** (2002). Evolutionary learning of boolean queries by multiobjective genetic programming. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Corne et al.(2002)Corne, Oates and Kell] **Corne, D., Oates, M. J. and Kell, D. B.** (2002). On fitness distributions and expected fitness gain of mutation rates in parallel evolutionary algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Cotta and Moscato(2002)] **Cotta, C. and Moscato, P.** (2002). Inferring phylogenetic trees using evolutionary algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Cotta and Muruzábal(2002)] **Cotta, C. and Muruzábal, J.** (2002). Towards a more efficient evolutionary induction of bayesian networks. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Cowling et al.(2002)Cowling, Kendall and Soubeiga] **Cowling, P. I., Kendall, G. and Soubeiga, E.** (2002). Hyperheuristics: A robust optimisation method applied to nurse scheduling. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Dolin et al.(2002)Dolin, Arenas and Guervós] **Dolin, B., Arenas, M. G. and Guervós, J. J. M.** (2002). Opposites attract: Complementary phenotype selection for crossover in genetic programming. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Dorado et al.(2002)Dorado, Rabuñal, Santos, Pazos and Rivero] **Dorado, J., Rabuñal, J. R., Santos, A., Pazos, A. and Rivero, D.** (2002). Automatic recurrent and feed-forward ANN rule and expression extraction with genetic programming. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Eckert and Gottlieb(2002)] **Eckert, C. and Gottlieb, J.** (2002). Direct representation and variation operators for the fixed charge transportation problem. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Emmerich et al.(2002)Emmerich, Giotis, Özdemir, Bäck and Giannakoglou] **Emmerich, M., Giotis, A., Özdemir, M., Bäck, T. and Giannakoglou, K.** (2002). Metamodel-assisted evolution strategies. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Eriksson and Olsson(2002)] **Eriksson, R. and Olsson, B.** (2002). On the behavior of evolutionary global-local hybrids with dynamic fitness functions. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Folino and Spezzano(2002)] **Folino, G. and Spezzano, G.** (2002). An adaptive flocking algorithm for spatial clustering. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[García et al.(2002)García, Vega, Aguirre, Marroquín and Coello] **García, H. F. G., Vega, A. G., Aguirre, A. H., Marroquín, J. L. and Coello, C. A. C.** (2002). Robust multiscale affine 2D-image registration through evolution ary strategies. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Garionis(2002)] **Garionis, R.** (2002). Synthesizing graphical models employing explaining away. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Giacobini et al.(2002)Giacobini, Tomassini and Vanneschi] **Giacobini, M., Tomassini, M. and Vanneschi, L.** (2002). Limiting the number of fitness cases in genetic programming using statistics. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[González et al.(2002)González, Rojas and Pomares] **González, J., Rojas, I. and Pomares, H.** (2002). Evolutive identification of fuzzy systems for time-series prediction. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Handl and Meyer(2002)] **Handl, J. and Meyer, B.** (2002). Improved ant-based clustering and sorting. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Hervás-Martínez et al.(2002)Hervás-Martínez, Ortiz-Boyer and García-Pedrajas] **Hervás-Martínez, C., Ortiz-Boyer, D. and García-Pedrajas, N.** (2002). Theoretical analysis of the confidence interval based crossover for real-coded genetic algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Horn(2002)] **Horn, J.** (2002). Resource-based fitness sharing. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Huhse et al.(2002)Huhse, Villmann, Merz and Zell] **Huhse, J., Villmann, T., Merz, P. and Zell, A.** (2002). Evolution strategy with neighborhood attraction using a neural gas approach.

In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Hurst et al.(2002)Hurst, Bull and Melhuish] **Hurst, J., Bull, L. and Melhuish, C.** (2002). TCS learning classifier system controller on a real robot. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Ikeda and Kobayashi(2002)] **Ikeda, K. and Kobayashi, S.** (2002). Deterministic multi-step crossover fusion: A handy crossover composition for GAs. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Iorio and Li(2002)] **Iorio, A. and Li, X.** (2002). Parameter control within a co-operative co-evolutionary genetic algorithm. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Jakob(2002)] **Jakob, W.** (2002). HyGLEAM - an approach to generally applicable hybridization of evolutionary algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Jansen(2002)] **Jansen, T.** (2002). On the analysis of dynamic restart strategies for evolutionary algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Jelasity et al.(2002)Jelasity, Preuß and Eiben] **Jelasity, M., Preuß, M. and Eiben, A. E.** (2002). Operator learning for a problem class in a distributed peer-to-peer environment. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Joan-Arinyo et al.(2002)Joan-Arinyo, Luzón and Soto-Riera] **Joan-Arinyo, R., Luzón, M. V. and Soto-Riera, A.** (2002). Constructive geometric constraint solving: A new application of genetic algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Jozefowiez et al.(2002)Jozefowiez, Semet and Talbi] **Jozefowiez, N., Semet, F. and Talbi, E.-G.** (2002). Parallel and hybrid models for multi-objective optimization: Application to the vehicle routing problem. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Kanazaki et al.(2002)Kanazaki, Morikawa, Obayashi and Nakahashi] **Kanazaki, M., Morikawa, M., Obayashi, S. and Nakahashi, K.** (2002). Multiobjective design optimization of merging configuration for an exhaust manifold of a car engine. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII,*

7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Keerativuttitumrong et al.(2002)Keerativuttitumrong, Chaiyaratana and Varavithya]
Keerativuttitumrong, N., Chaiyaratana, N. and Varavithya, V. (2002). Multi-objective co-operative co-evolutionary genetic algorithm. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Knowles and Watson(2002)] **Knowles, J. D. and Watson, R. A.** (2002). On the utility of redundant encodings in mutation-based evolutionary search. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Krasnogor et al.(2002)Krasnogor, Blackburne, Burke and Hirst] **Krasnogor, N., Blackburne, B. P., Burke, E. K. and Hirst, J. D.** (2002). Multimeme algorithms for protein structure prediction. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Krink and Løvbjerg(2002)] **Krink, T. and Løvbjerg, M.** (2002). The lifecycle model: Combining particle swarm optimisation, genetic algorithms and hillclimbers. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Laumanns and Ocenasek(2002)] **Laumanns, M. and Ocenasek, J.** (2002). Bayesian optimization algorithms for multi-objective optimization. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Laumanns et al.(2002)Laumanns, Thiele, Zitzler, Welzl and Deb] **Laumanns, M., Thiele, L., Zitzler, E., Welzl, E. and Deb, K.** (2002). Running time analysis of multi-objective evolutionary algorithms on a simple discrete optimization problem. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Liu et al.(2002)Liu, Lau, Lewis and Wang] **Liu, P., Lau, F. C. M., Lewis, M. J. and Wang, C.-L.** (2002). A new asynchronous parallel evolutionary algorithm for function optimization. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Liu and Yao(2002)] **Liu, Y. and Yao, X.** (2002). Learning and evolution by minimization of mutual information. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Luke and Panait(2002)] **Luke, S. and Panait, L.** (2002). Fighting bloat with nonparametric parsimony pressure. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference,*

Granada, Spain, September 7-11, 2002. Proceedings, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Mabed et al.(2002)Mabed, Caminada, Hao and Renaud] **Mabed, H., Caminada, A., Hao, J.-K. and Renaud, D.** (2002). A dynamic traffic model for frequency assignment. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Matsui et al.(2002a)Matsui, Watanabe and ichi Tokoro] **Matsui, S., Watanabe, I. and ichi Tokoro, K.** (2002a). A parameter-free genetic algorithm for a fixed channel assignment problem with limited bandwidth. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Matsui et al.(2002b)Matsui, Watanabe and ichi Tokoro] **Matsui, S., Watanabe, I. and ichi Tokoro, K.** (2002b). Real-coded parameter-free genetic algorithm for job-shop scheduling problems. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Merelo-Guervós et al.(2002)Merelo-Guervós, Adamidis, Beyer, nas and Schwefel] **Merelo-Guervós, J. J., Adamidis, P., Beyer, H.-G., nas, J.-L. F.-V. and Schwefel, H.-P.**, eds. (2002). volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Merz and Zell(2002)] **Merz, P. and Zell, A.** (2002). Clustering gene expression profiles with memetic algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Moore and Hahn(2002)] **Moore, J. H. and Hahn, L. W.** (2002). Cellular automata and genetic algorithms for parallel problem solving in human genetics. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Motegi et al.(2002)Motegi, Homma, Aoki and Higuchi] **Motegi, M., Homma, N., Aoki, T. and Higuchi, T.** (2002). Evolutionary graph generation system and its application to bit-serial arithmetic circuit synthesis. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Müller et al.(2002)Müller, Hansen and Koumoutsakos] **Müller, S. D., Hansen, N. and Koumoutsakos, P.** (2002). Increasing the serial and the parallel performance of the CMA-evolution strategy with large populations. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Muñoz(2002)] **Muñoz, L. A. B.** (2002). Evolutionary optimization of heterogeneous problems. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Munteanu and Rosa(2002)] **Munteanu, C. and Rosa, A. C.** (2002). Adaptive reservoir genetic algorithm with on-line decision making. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Naujoks et al.(2002)Naujoks, Willmes, Bäck and Haase] **Naujoks, B., Willmes, L., Bäck, T. and Haase, W.** (2002). Evaluating multi-criteria evolutionary algorithms for airfoil optimisation. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Ortiz-Boyer et al.(2002)Ortiz-Boyer, Hervás-Martínez and García-Pedrajas] **Ortiz-Boyer, D., Hervás-Martínez, C. and García-Pedrajas, N.** (2002). Crossover operator effect in function optimization with constraints. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Pipe and Carse(2002)] **Pipe, A. G. and Carse, B.** (2002). First results from experiments in fuzzy classifier system architectures for mobile robotics. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Raidl et al.(2002)Raidl, Kodydek and Julstrom] **Raidl, G. R., Kodydek, G. and Julstrom, B. A.** (2002). On weight-biased mutation for graph problems. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Richter(2002)] **Richter, H.** (2002). An evolutionary algorithm for controlling chaos: The use of multi-objective fitness functions. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Romero et al.(2002)Romero, Guervós, Valdivieso, Castellano and Arenas] **Romero, G., Guervós, J. J. M., Valdivieso, P. A. C., Castellano, J. G. and Arenas, M. G.** (2002). Genetic algorithm visualization using self-organizing maps. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Rothlauf(2002)] **Rothlauf, F.** (2002). Binary representations of integers and the performance of selectorecombinative genetic algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Roy and Tiwari(2002)] **Roy, R. and Tiwari, A.** (2002). Generalised regression GA for handling inseparable function interaction: Algorithm and applications. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Runarsson(2002)] **Runarsson, T. P.** (2002). Reducing random fluctuations in mutative self-adaptation. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Sampels et al.(2002)Sampels, Blum, Mastrolilli and Rossi-Doria] **Sampels, M., Blum, C., Mastrolilli, M. and Rossi-Doria, O.** (2002). Metaheuristics for group shop scheduling. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Santos et al.(2002)Santos, Valdivieso and Guervós] **Santos, V. M. R., Valdivieso, P. A. C. and Guervós, J. J. M.** (2002). Evolved RBF networks for time-series forecasting and function approximation. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Scharnow et al.(2002)Scharnow, Tinnefeld and Wegener] **Scharnow, J., Tinnefeld, K. and Wegener, I.** (2002). Fitness landscapes based on sorting and shortest paths problems. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Smith(2002)] **Smith, J.** (2002). Co-evolving memetic algorithms: Initial investigations. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Thomsen(2002)] **Thomsen, R.** (2002). Evolving the topology of hidden markov models using evolutionary algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Thomsen and Krink(2002)] **Thomsen, R. and Krink, T.** (2002). Self-adaptive operator scheduling using the religion-based EA. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Tomassini et al.(2002)Tomassini, Vanneschi, de Vega and Gil] **Tomassini, M., Vanneschi, L., de Vega, F. F. and Gil, G. G.** (2002). Experimental investigation of three distributed genetic programming models. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Tomassini and Venzi(2002)] **Tomassini, M. and Venzi, M.** (2002). Evolution of asynchronous cellular automata for the density task. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Tsutsui(2002)] **Tsutsui, S.** (2002). Probabilistic model-building genetic algorithms in permutation representation domain using edge histogram. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer,

J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Urquhart et al.(2002)Urquhart, Ross, Paechter and Chisholm] **Urquhart, N., Ross, P., Paechter, B. and Chisholm, K.** (2002). Solving a real world routing problem using multiple evolutionary agents. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Ursem(2002)] **Ursem, R. K.** (2002). Diversity-guided evolutionary algorithms. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Valdivieso et al.(2002)Valdivieso, Arenas, Castellano, Guervós, Santos and Romero] **Valdivieso, P. A. C., Arenas, M. G., Castellano, J. G., Guervós, J. J. M., Santos, V. M. R. and Romero, G.** (2002). Optimisation of multilayer perceptrons using a distributed evolutionary algorithm with SOAP. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[van Hemert and Bäck(2002)] **van Hemert, J. I. and Bäck, T.** (2002). Measuring the searched space to guide efficiency: The principle and evidence on constraint satisfaction. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Weicker(2002)] **Weicker, K.** (2002). Performance measures for dynamic environments. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Wiegand et al.(2002)Wiegand, Liles and Jong] **Wiegand, R. P., Liles, W. C. and Jong, K. A. D.** (2002). The effects of representational bias on collaboration methods in cooperative coevolution. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Wiesmann(2002)] **Wiesmann, D.** (2002). From syntactical to semantical mutation operators for structure optimization. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.

[Zlochin and Dorigo(2002)] **Zlochin, M. and Dorigo, M.** (2002). Model-based search for combinatorial optimization: A comparative study. In J. J. Merelo-Guervós, P. Adamidis, H.-G. Beyer, J.-L. F.-V. nas and H.-P. Schwefel, eds., *Parallel Problem Solving from Nature - PPSN VII, 7th International Conference, Granada, Spain, September 7-11, 2002. Proceedings*, volume 2439 of *Lecture Notes in Computer Science, LNCS*. Granada, Spain: Springer-Verlag.