

Список литературы

- [1] Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E, eds. (2005) *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation* (ACM Press, Washington DC, USA).
- [2] Paul, C, Lipson, H, & Cuevas, F. J. V. (2005) *Evolutionary form-finding of tensegrity structures* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 3–10.
- [3] Valsalam, V, Bednar, J, & Miikkulainen, R. (2005) *Constructing good learners using evolved pattern generators* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 11–18.
- [4] Schonfeld, J & Ashlock, D. (2005) *A study of evolutionary robustness in stochastically tiled polyominoes* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 19–26.
- [5] Becerra, R. L & Coello Coello, C. A. (2005) *Optimization with constraints using a cultured differential evolution approach* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 27–34.
- [6] Scheutz, M & Schermerhorn, P. (2005) *Predicting population dynamics and evolutionary trajectories based on performance evaluations in alive simulations* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 35–42.
- [7] Downing, K. L. (2005) *The predictive basis of situated and embodied artificial intelligence* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 43–50.
- [8] McPartland, M, Nolfi, S, & Abbass, H. A. (2005) *Emergence of communication in competitive multi-agent systems: a pareto multi-objective approach* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 51–58.
- [9] Ashlock, D & Kim, E.-Y. (2005) *The impact of cellular representation on finite state agents for prisoner's dilemma* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 59–66.
- [10] Liang, H.-L, Lee, C, & Wu, J.-S. (2005) *Multiplex PCR primer design for gene family using genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson,

- H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 67–74.
- [11] Eiben, A. E, Schut, M. C, & Toma, T. (2005) *Comparing multicast and newscast communication in evolving agent societies* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 75–81.
 - [12] Gordon, T. G. W & Bentley, P. J. (2005) *Bias and scalability in evolutionary development* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 83–90.
 - [13] Luke, S. (2005) *Evolutionary computation and the c-value paradox* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 91–97.
 - [14] Rieffel, J & Pollack, J. (2005) *Automated assembly as situated development: using artificial ontogenies to evolve buildable 3-D objects* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 99–106.
 - [15] Breukelaar, R & Bäck, T. (2005) *Using a genetic algorithm to evolve behavior in multi dimensional cellular automata: emergence of behavior* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 107–114.
 - [16] Schlessinger, E, Bentley, P. J, & Lotto, R. B. (2005) *Evolving visually guided agents in an ambiguous virtual world* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 115–120.
 - [17] Cazangi, R. R, Von Zuben, F. J, & Figueiredo, M. F. (2005) *Autonomous navigation system applied to collective robotics with ant-inspired communication* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 121–128.
 - [18] Brabazon, A, Silva, A, de Sousa, T. F, O'Neill, M, Matthews, R, & Costa, E. (2005) *Agent-based modelling of product invention* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 129–136.
 - [19] Stout, A & Spector, L. (2005) *Validation of evolutionary activity metrics for long-term evolutionary dynamics* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 137–142.
 - [20] Murata, T & Yamaguchi, M. (2005) *Neighboring crossover to improve GA-based Q-learning method for multi-legged robot control* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf,

- W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 145–146.
- [21] Parker, G & Georgescu, R. (2005) *Evolution of multi-loop controllers for fixed morphology with a cyclic genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 147–148.
- [22] Matos, A, Suzuki, R, & Arita, T. (2005) *Evolutionary models for maternal effects in simulated developmental systems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 149–150.
- [23] Wedde, H. F, Farooq, M, Pannenbaecker, T, Vogel, B, Mueller, C, Meth, J, & Jeruschkat, R. (2005) *BeeAdHoc: an energy efficient routing algorithm for mobile ad hoc networks inspired by bee behavior* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 153–160.
- [24] Settles, M & Soule, T. (2005) *Breeding swarms: a GA/PSO hybrid* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 161–168.
- [25] Poli, R, Di Chio, C, & Langdon, W. B. (2005) *Exploring extended particle swarms: a genetic programming approach* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 169–176.
- [26] Das, S, Konar, A, & Chakraborty, U. K. (2005) *Improving particle swarm optimization with differentially perturbed velocity* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 177–184.
- [27] Settles, M, Nathan, P, & Soule, T. (2005) *Breeding swarms: a new approach to recurrent neural network training* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 185–192.
- [28] Monson, C. K & Seppi, K. D. (2005) *Bayesian optimization models for particle swarms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 193–200.
- [29] Kennedy, J. (2005) *Dynamic-probabilistic particle swarms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 201–207.

- [30] Zavala, A. E. M, Aguirre, A. H, & Diharce, E. R. V. (2005) *Constrained optimization via particle evolutionary swarm optimization algorithm (PESO)* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 209–216.
- [31] Hartmann, V. (2005) *Evolving agent swarms for clustering and sorting* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 217–224.
- [32] Mezura-Montes, E, Velázquez-Reyes, J, & Coello Coello, C. A. (2005) *Promising infeasibility and multiple offspring incorporated to differential evolution for constrained optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 225–232.
- [33] Fleischer, M. (2005) *Scale invariant pareto optimality: a meta-formalism for characterizing and modeling cooperativity in evolutionary systems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 233–240.
- [34] Monson, C. K & Seppi, K. D. (2005) *Exposing origin-seeking bias in PSO* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 241–248.
- [35] Foong, W. K, Maier, H. R, & Simpson, A. R. (2005) *Ant colony optimization for power plant maintenance scheduling optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 249–256.
- [36] Raquel, C. R & Naval, Jr., P. C. (2005) *An effective use of crowding distance in multiobjective particle swarm optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 257–264.
- [37] Liu, B.-F, Chen, H.-M, Chen, J.-H, Hwang, S.-F, & Ho, S.-Y. (2005) *MeSwarm: memetic particle swarm optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 267–268.
- [38] El-Abd, M & Kamel, M. (2005) *Factors governing the behavior of multiple cooperating swarms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 269–270.
- [39] Bui, T. N & Colpan, M. (2005) *Solving geometric TSP with ants* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 271–272.

- [40] Schmickl, T, Thenius, R, & Crailsheim, K. (2005) *Simulating swarm intelligence in honey bees: foraging in differently fluctuating environments* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 273–274.
- [41] Bello, R, Nowe, A, Caballero, Y, Gomez, Y, & Vrancx, P. (2005) *A model based on ant colony system and rough set theory to feature selection* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 275–276.
- [42] Cui, Z & Zeng, J. (2005) *A modified particle swarm optimization predicted by velocity* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 277–278.
- [43] Ji, Z & Dasgupta, D. (2005) *Estimating the detector coverage in a negative selection algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 281–288.
- [44] de Franca, F. O, Von Zuben, F. J, & de Castro, L. N. (2005) *An artificial immune network for multimodal function optimization on dynamic environments* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 289–296.
- [45] Gonzalez, F. A, Galeano, J. C, Rojas, D. A, & Veloza-Suan, A. (2005) *Discriminating and visualizing anomalies using negative selection and self-organizing maps* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 297–304.
- [46] Guo, Z, Han, H. K, & Tay, J. C. (2005) *Sufficiency verification of HIV-1 pathogenesis based on multi-agent simulation* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 305–312.
- [47] Spellward, P & Kovacs, T. (2005) *On the contribution of gene libraries to artificial immune systems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 313–319.
- [48] Stibor, T, Mohr, P, Timmis, J, & Eckert, C. (2005) *Is negative selection appropriate for anomaly detection?* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 321–328.
- [49] Wu, J.-Y & Chung, Y.-K. (2005) *Artificial immune system for solving generalized geometric problems: a preliminary results* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 329–336.

- [50] Shapiro, J. M, Lamont, G. B, & Peterson, G. L. (2005) *An evolutionary algorithm to generate hyper-ellipsoid detectors for negative selection* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 337–344.
- [51] Hang, X & Dai, H. (2005) *Applying both positive and negative selection to supervised learning for anomaly detection* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 345–352.
- [52] Nunn, I & White, T. (2005) *The application of antigenic search techniques to time series forecasting* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 353–360.
- [53] Galeano, J. C, Veloza-Suan, A, & Gonzalez, F. A. (2005) *A comparative analysis of artificial immune network models* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 361–368.
- [54] Knidel, H, de Castro, L. N, & Von Zuben, F. J. (2005) *RABNET: a real-valued antibody network for data clustering* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 371–372.
- [55] Gong, M, Jiao, L, Du, H, Shang, R, & Lu, B. (2005) *Performance assessment of an artificial immune system multiobjective optimizer by two improved metrics* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 373–374.
- [56] Payne, J. L & Eppstein, M. J. (2005) *A hybrid genetic algorithm with pattern search for finding heavy atoms in protein crystals* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 377–384.
- [57] Bui, T. N & Sundarraj, G. (2005) *An efficient genetic algorithm for predicting protein tertiary structures in the 2D HP model* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 385–392.
- [58] Koduru, P, Das, S, Welch, S, Roe, J. L, & Lopez-Dee, Z. P. (2005) *A co-evolutionary hybrid algorithm for multi-objective optimization of gene regulatory network models* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 393–399.
- [59] Seehuus, R, Tveit, A, & Edsberg, O. (2005) *Discovering biological motifs with genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 401–408.

- [60] Townsend, G. C, Hazel, W. N, & Smock, R. (2005) *Using evolutionary computation methods to support analytical models for the evolution and maintenance of conditional strategies in chthamalus anisopoma* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 409–414.
- [61] Poladian, L. (2005) *A GA for maximum likelihood phylogenetic inference using neighbour-joining as a genotype to phenotype mapping* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 415–422.
- [62] Hohm, T & Hoffmann, D. (2005) *A multi-objective evolutionary approach to peptide structure redesign and stabilization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 423–429.
- [63] Resson, H, Varghese, R. S, Saha, D, Orvisky, E, Goldman, L, Petricoin, E. F, Conrads, T. P, Veenstra, T. D, Abdel-Hamid, M, Loffredo, C. A, & Goldman, R. (2005) *Particle swarm optimization for analysis of mass spectral serum profiles* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 431–438.
- [64] Noman, N & Iba, H. (2005) *Inference of gene regulatory networks using s-system and differential evolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 439–446.
- [65] Che, D, Song, Y, & Rasheed, K. (2005) *MDGA: motif discovery using a genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 447–452.
- [66] Paul, T. K & Iba, H. (2005) *Extraction of informative genes from microarray data* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 453–460.
- [67] Firpi, H, Goodman, E, & Echaz, J. (2005) *Epileptic seizure detection by means of genetically programmed artificial features* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 461–466.
- [68] Spieth, C, Streichert, F, Speer, N, & Zell, A. (2005) *Identifying valid solutions for the inference of regulatory networks* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 469–470.
- [69] Cairns, D. E, Cameron, G. J, & Wess, T. J. (2005) *Evolving an improved axial structure for fibrillar collagen* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 471–472.

- [70] Aguilar-Ruiz, J. S & Divina, F. (2005) *GA-based approach to discover meaningful biclusters* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 473–474.
- [71] Lin, F.-M, Huang, H.-D, Huang, H.-Y, & Horng, J.-T. (2005) *Primer design for multiplex PCR using a genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 475–476.
- [72] Seeluangawat, P & Chongstitvatana, P. (2005) *A multiple objective evolutionary algorithm for multiple sequence alignment* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 477–478.
- [73] Wiese, K. C, Hendriks, A, Deschênes, A, & Youssef, B. B. (2005) *The impact of pseudorandom number quality on P-RnaPredict, a parallel genetic algorithm for RNA secondary structure prediction* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 479–480.
- [74] de Jong, E. (2005) *The MaxSolve algorithm for coevolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 483–489.
- [75] Gomez, F. J & Schmidhuber, J. (2005) *Co-evolving recurrent neurons learn deep memory POMDPs* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 491–498.
- [76] Ficici, S. G. (2005) *Monotonic solution concepts in coevolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 499–506.
- [77] Popovici, E & De Jong, K. (2005) *Understanding cooperative co-evolutionary dynamics via simple fitness landscapes* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 507–514.
- [78] Funes, P & Pujals, E. (2005) *Intransitivity revisited coevolutionary dynamics of numbers games* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 515–521.
- [79] Williams, N & Mitchell, M. (2005) *Investigating the success of spatial coevolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 523–530.

- [80] Bongard, J. C & Lipson, H. (2005) *'Managed challenge' alleviates disengagement in co-evolutionary system identification* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 531–538.
- [81] Bucci, A & Pollack, J. B. (2005) *On identifying global optima in cooperative coevolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 539–544.
- [82] Huang, C.-F & Rocha, L. M. (2005) *Tracking extrema in dynamic environments using a coevolutionary agent-based model of genotype edition* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 545–552.
- [83] Duong, D. V & Grefenstette, J. (2005) *The emulation of social institutions as a method of coevolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 555–556.
- [84] Horn, J. (2005) *Shape nesting by coevolving species* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 557–558.
- [85] Philemotte, C & Bersini, H. (2005) *Intrinsic emergence boosts adaptive capacity* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 559–560.
- [86] Lehmann, K. A & Kaufmann, M. (2005) *Evolutionary algorithms for the self-organized evolution of networks* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 563–570.
- [87] Gunia, C. (2005) *On the analysis of the approximation capability of simple evolutionary algorithms for scheduling problems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 571–578.
- [88] Skellett, B, Cairns, B, Geard, N, Tonkes, B, & Wiles, J. (2005) *Maximally rugged NK landscapes contain the highest peaks* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 579–584.
- [89] Julstrom, B. A. (2005) *The blob code is competitive with edge-sets in genetic algorithms for the minimum routing cost spanning tree problem* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 585–590.

- [90] Tumer, K & Agogino, A. (2005) *Coordinating multi-rover systems: evaluation functions for dynamic and noisy environments* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 591–598.
- [91] Defaweux, A, Lenaerts, T, van Hemert, J, & Parent, J. (2005) *Transition models as an incremental approach for problem solving in evolutionary algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 599–606.
- [92] Julstrom, B. A. (2005) *Greedy, genetic, and greedy genetic algorithms for the quadratic knapsack problem* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 607–614.
- [93] Hernandez, G, Wilder, K, Nino, F, & Garcia, J. (2005) *Towards a self-stopping evolutionary algorithm using coupling from the past* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 615–620.
- [94] Tang, J, Lim, M. H, Ong, Y. S, & Er, M. J. (2005) *Solving large scale combinatorial optimization using PMA-SLS* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 621–628.
- [95] Yoon, Y, Kim, Y.-H, & Moon, B.-R. (2005) *An evolutionary lagrangian method for the 0/1 multiple knapsack problem* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 629–635.
- [96] Terashima-Marín, H, Flores-Ivarez, E. J, & Ross, P. (2005) *Hyper-heuristics and classifier systems for solving 2D-regular cutting stock problems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 637–643.
- [97] Perelman, L & Ostfeld, A. (2005) *Water distribution systems optimal design using cross entropy* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 647–648.
- [98] Borgulya, I. (2005) *A hybrid evolutionary algorithm for the p-median problem* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 649–650.
- [99] Geem, Z. W, Lee, K. S, & Tseng, C.-L. (2005) *Harmony search for structural design* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 651–652.

- [100] Butz, M. V., Pelikan, M., Llorca, X., & Goldberg, D. E. (2005) *Extracted global structure makes local building block processing effective in XCS* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 655–662.
- [101] Pelikan, M., Sastry, K., & Goldberg, D. E. (2005) *Multiobjective hBOA, clustering, and scalability* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 663–670.
- [102] Sastry, K., Abbass, H. A., Goldberg, D. E., & Johnson, D. D. (2005) *Sub-structural niching in estimation of distribution algorithms* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 671–678.
- [103] Droste, S. (2005) *Not all linear functions are equally difficult for the compact genetic algorithm* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 679–686.
- [104] Tanev, I. (2005) *Learned mutation strategies in genetic programming for evolution and adaptation of simulated snakebot* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 687–694.
- [105] Wright, A. H. & Pulavarty, S. (2005) *On the convergence of an estimation of distribution algorithm based on linkage discovery and factorization* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 695–702.
- [106] Sakuma, J. & Kobayashi, S. (2005) *Real-coded crossover as a role of kernel density estimation* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 703–710.
- [107] Yang, S. (2005) *Population-based incremental learning with memory scheme for changing environments* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 711–718.
- [108] Yuan, B. & Gallagher, M. (2005) *On the importance of diversity maintenance in estimation of distribution algorithms* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 719–726.
- [109] Shakya, S., McCall, J., & Brown, D. (2005) *Using a Markov network model in a univariate EDA: an empirical cost-benefit analysis* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 727–734.

- [110] Lima, C. F, Sastry, K, Goldberg, D. E, & Lobo, F. G. (2005) *Combining competent crossover and mutation operators: a probabilistic model building approach* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 735–742.
- [111] Hong, Y, Ren, Q, & Zeng, J. (2005) *Genetic drift in univariate marginal distribution algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 745–746.
- [112] Looks, M, Goertzel, B, & Pennachin, C. (2005) *Learning computer programs with the bayesian optimization algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 747–748.
- [113] Peña, S. I. V, Rionda, S. B, & Aguirre, A. H. (2005) *Multiobjective shape optimization with constraints based on estimation distribution algorithms and correlated information* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 749–750.
- [114] Huang, C.-F, Bieniawski, S, Wolpert, D. H, & Strauss, C. E. M. (2005) *A comparative study of probability collectives based multi-agent systems and genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 751–752.
- [115] Bosman, P. A. N & de Jong, E. D. (2005) *Exploiting gradient information in numerical multi-objective evolutionary optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 755–762.
- [116] Neumann, F & Wegener, I. (2005) *Minimum spanning trees made easier via multi-objective optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 763–769.
- [117] Li, M, Azarm, S, & Aute, V. (2005) *A multi-objective genetic algorithm for robust design optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 771–778.
- [118] Bui, L. T, Abbass, H. A, & Essam, D. (2005) *Fitness inheritance for noisy evolutionary multi-objective optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 779–785.
- [119] Ishibuchi, H & Narukawa, K. (2005) *Comparison of evolutionary multiobjective optimization with reference solution-based single-objective approach* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A,

- de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 787–794.
- [120] Zhang, Y & Rockett, P. I. (2005) *Evolving optimal feature extraction using multi-objective genetic programming: a methodology and preliminary study on edge detection* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 795–802.
- [121] Kurz, M. E & Canterbury, S. (2005) *Minimizing total flowtime and maximum earliness on a single machine using multiple measures of fitness* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 803–809.
- [122] Xu, K, Louis, S. J, & Mancini, R. C. (2005) *A scalable parallel genetic algorithm for x-ray spectroscopic analysis* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 811–816.
- [123] Ishibuchi, H, Narukawa, K, & Nojima, Y. (2005) *An empirical study on the handling of overlapping solutions in evolutionary multiobjective optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 817–824.
- [124] Schmitt, K, Mehnen, J, & Michelitsch, T. (2005) *Using predators and preys in evolution strategies* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 827–828.
- [125] Watanabe, S & Sakakibara, K. (2005) *The effectiveness of multiobjective optimizer in single-objective optimization environment* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 829–830.
- [126] Storch, T. (2005) *On the impact of objective function transformations on evolutionary and black-box algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 833–840.
- [127] Jansen, T & Schellbach, U. (2005) *Theoretical analysis of a mutation-based evolutionary algorithm for a tracking problem in the lattice* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 841–848.
- [128] Jagerskoper, J & Witt, C. (2005) *Rigorous runtime analysis of a $(\epsilon + 1)ES$ for the sphere function* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 849–856.

- [129] Auger, A, Schoenauer, M, & Teytaud, O. (2005) *Local and global order 3/2 convergence of a surrogate evolutionary algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 857–864.
- [130] Preuss, M, Schumann, L, & Emmerich, M. (2005) *Counteracting genetic drift and disruptive recombination in $(\epsilon + \lambda)$ -EA on multimodal fitness landscapes* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 865–872.
- [131] Li, X. (2005) *Efficient differential evolution using speciation for multimodal function optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 873–880.
- [132] Liu, J & Lampinen, J. (2005) *A differential evolution based incremental training method for RBF networks* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 881–888.
- [133] Ho, P. Y & Shimizu, K. (2005) *Simple addition of ranking method for constrained optimization in evolutionary algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 889–896.
- [134] Nashvili, M, Olhofer, M, & Sendhoff, B. (2005) *Morphing methods in evolutionary design optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 897–904.
- [135] Phientrakul, T & Kijsirikul, B. (2005) *Evolutionary strategies for multi-scale radial basis function kernels in support vector machines* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 905–911.
- [136] Shir, O. M & Back, T. (2005) *Niching in evolution strategies* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 915–916.
- [137] Kramer, O, Ting, C.-K, & Ning, H. K. (2005) *A mutation operator for evolution strategies to handle constrained problems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 917–918.
- [138] Schmitt, K. (2005) *Using gene deletion and gene duplication in evolution strategies* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 919–920.

- [139] Sait, S. M, Sanaullah, S, Zaidi, A. M, & Ali, M. I. (2005) *Comparative evaluation of parallelization strategies for evolutionary and stochastic heuristics* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 921–922.
- [140] Schenemann, L. (2005) *Optimal number of evolution strategies mutation step sizes in dynamic environments* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 923–924.
- [141] Keymeulen, D, Fink, W, Ferguson, M. I, Peay, C, Oks, B, Terrile, R, & Yee, K. (2005) *Evolutionary computation applied to the tuning of MEMS gyroscopes* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 927–932.
- [142] Vignham, S. A, Gallagher, J. C, & Boddhu, S. K. (2005) *Evolving analog controllers for correcting thermoacoustic instability in real hardware* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 933–940.
- [143] Prodan, L, Udrescu, M, & Vladutiu, M. (2005) *Multiple-level concatenated coding in embryonics: a dependability analysis* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 941–948.
- [144] Pakhira, M. K & De, R. K. (2005) *A hardware pipeline for function optimization using genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 949–956.
- [145] Hunt, R, Hornby, G. S, & Lohn, J. D. (2005) *Toward evolved flight* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 957–964.
- [146] Noman, N & Iba, H. (2005) *Enhancing differential evolution performance with local search for high dimensional function optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 967–974.
- [147] McLoughlin, III, J. F & Cedeno, W. (2005) *The enhanced evolutionary tabu search and its application to the quadratic assignment problem* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 975–982.
- [148] Quintana, D, Luque, C, & Isasi, P. (2005) *Evolutionary rule-based system for IPO underpricing prediction* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 983–989.

- [149] Das, S, Konar, A, & Chakraborty, U. K. (2005) *Two improved differential evolution schemes for faster global search* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 991–998.
- [150] Duarte, A, & Sánchez, Fernández, F, & Cabido, R. (2005) *A low-level hybridization between memetic algorithm and VNS for the max-cut problem* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 999–1006.
- [151] Adra, S. F, Griffin, I, & Fleming, P. J. (2005) *Hybrid multiobjective genetic algorithm with a new adaptive local search process* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1009–1010.
- [152] McMinn, P & Holcombe, M. (2005) *Evolutionary testing of state-based programs* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1013–1020.
- [153] Briand, L. C, Labiche, Y, & Shousha, M. (2005) *Stress testing real-time systems with genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1021–1028.
- [154] Harman, M, Swift, S, & Mahdavi, K. (2005) *An empirical study of the robustness of two module clustering fitness functions* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1029–1036.
- [155] Grosso, C. D, Antoniol, G, Penta, M. D, Galinier, P, & Merlo, E. (2005) *Improving network applications security: a new heuristic to generate stress testing data* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1037–1043.
- [156] Seng, O, Bauer, M, Biehl, M, & Pache, G. (2005) *Search-based improvement of subsystem decompositions* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1045–1051.
- [157] Wappler, S & Lammermann, F. (2005) *Using evolutionary algorithms for the unit testing of object-oriented software* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1053–1060.
- [158] Zhan, Y & Clark, J. A. (2005) *Search-based mutation testing for Simulink models* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1061–1068.

- [159] Canfora, G, Penta, M. D, Esposito, R, & Villani, M. L. (2005) *An approach for QoS-aware service composition based on genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1069–1075.
- [160] Sutton, A, Kagdi, H, Maletic, J. I, & Volkert, L. G. (2005) *Hybridizing evolutionary algorithms and clustering algorithms to find source-code clones* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1079–1080.
- [161] Derderian, K, Hierons, R. M, Harman, M, & Guo, Q. (2005) *Generating feasible input sequences for extended finite state machines (EFSMs) using genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1081–1082.
- [162] Lammermann, F & Wappler, S. (2005) *Benefits of software measures for evolutionary white-box testing* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1083–1084.
- [163] Haas, J, Peysakhov, M, & Mancoridis, S. (2005) *GA-based parameter tuning for multi-agent systems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 1, pp. 1085–1086.
- [164] Yang, S. (2005) *Memory-based immigrants for genetic algorithms in dynamic environments* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1115–1122.
- [165] Alba, E, Alfonso, H, & Dorronsoro, B. (2005) *Advanced models of cellular genetic algorithms evaluated on SAT* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1123–1130.
- [166] Sokolov, A & Whitley, D. (2005) *Unbiased tournament selection* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1131–1138.
- [167] Giráldez, R & Aguilar-Ruiz, J. S. (2005) *Feature influence for evolutionary learning* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1139–1145.
- [168] de Silva, U. C & Suzuki, J. (2005) *On the stationary distribution of GAs with fixed crossover probability* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1147–1151.

- [169] McPhee, N. F & Crane, E. F. (2005) *A theoretical analysis of the HIFF problem* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1153–1160.
- [170] Sudholt, D. (2005) *Crossover is provably essential for the ising model on trees* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1161–1167.
- [171] Seo, D.-I & Moon, B.-R. (2005) *Computing the epistasis variance of large-scale traveling salesman problems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1169–1176.
- [172] Garibay, I, Wu, A. S, & Garibay, O. (2005) *On favoring positive correlations between form and quality of candidate solutions via the emergence of genomic self-similarity* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1177–1184.
- [173] Zhang, C & Rasheed, K. (2005) *Improving GA search reliability using maximal hyper-rectangle analysis* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1185–1192.
- [174] Barbosa, H. J & Lemonge, A. C. (2005) *A genetic algorithm encoding for a class of cardinality constraints* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1193–1200.
- [175] de Jong, E. D, Watson, R. A, & Thierens, D. (2005) *On the complexity of hierarchical problem solving* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1201–1208.
- [176] Lunacek, M, Whitley, D, & Knight, J. N. (2005) *Measuring mobility and the performance of global search algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1209–1216.
- [177] Yu, T.-L, Sastry, K, & Goldberg, D. E. (2005) *Linkage learning, overlapping building blocks, and systematic strategy for scalable recombination* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1217–1224.
- [178] Whiteson, S, Stone, P, Stanley, K. O, Miikkulainen, R, & Kohl, N. (2005) *Automatic feature selection in neuroevolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1225–1232.

- [179] Richter, J. N, Paxton, J, & Wright, A. (2005) *EA models and population fixed-points versus mutation rates for functions of unitation* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1233–1240.
- [180] Choi, S.-S, Jung, K, & Kim, J. H. (2005) *Phase transition in a random NK landscape model* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1241–1248.
- [181] Stringer, H & Wu, A. S. (2005) *Behavior of finite population variable length genetic algorithms under random selection* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1249–1255.
- [182] Uyar, S & Eryiğit, G. (2005) *Improvements to penalty-based evolutionary algorithms for the multi-dimensional knapsack problem using a gene-based adaptive mutation approach* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1257–1264.
- [183] Graham, L, Masum, H, & Oppacher, F. (2005) *Statistical analysis of heuristics for evolving sorting networks* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1265–1270.
- [184] Legg, S & Hutter, M. (2005) *Fitness uniform deletion: a simple way to preserve diversity* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1271–1278.
- [185] Konak, A & Smith, A. E. (2005) *Designing resilient networks using a hybrid genetic algorithm approach* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1279–1285.
- [186] Yossi, B & Poli, R. (2005) *Information landscapes and the analysis of search algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1287–1294.
- [187] Skolicki, Z & De Jong, K. (2005) *The influence of migration sizes and intervals on island models* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1295–1302.
- [188] Iglesias, M. T, Naudts, B, Verschoren, A, & Vidal, C. (2005) *Walsh transforms, balanced sum theorems and partition coefficients over multary alphabets* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1303–1308.

- [189] Agogino, A, Tumer, K, & Miikkulainen, R. (2005) *Efficient credit assignment through evaluation function decomposition* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1309–1316.
- [190] Yilmaz, A. S & Wu, A. S. (2005) *Preservation of genetic redundancy in the existence of developmental error and fitness assignment error* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1317–1324.
- [191] Tang, K. W & Jarvis, R. A. (2005) *From supervised ranking to evolving behaviours of a robotic team* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1325–1332.
- [192] Giacobini, M, Tomassini, M, & Tettamanzi, A. (2005) *Takeover time curves in random and small-world structured populations* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1333–1340.
- [193] Kimura, S & Matsumura, K. (2005) *Genetic algorithms using low-discrepancy sequences* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1341–1346.
- [194] Sakuma, J & Kobayashi, S. (2005) *Latent variable crossover for k-tablet structures and its application to lens design problems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1347–1354.
- [195] Samsonovich, A. V & De Jong, K. A. (2005) *Pricing the 'free lunch' of meta-evolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1355–1362.
- [196] Llorca & #224;, X, Sastry, K, Goldberg, D. E, Gupta, A, & Lakshmi, L. (2005) *Combating user fatigue in iGAs: partial ordering, support vector machines, and synthetic fitness* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1363–1370.
- [197] Bassett, J. K, Potter, M. A, & De Jong, K. A. (2005) *Applying price's equation to survival selection* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1371–1378.
- [198] Pardoe, D, Ryoo, M, & Miikkulainen, R. (2005) *Evolving neural network ensembles for control problems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1379–1384.

- [199] Kavka, C, Roggero, P, & Schoenauer, M. (2005) *Evolution of Voronoi based fuzzy recurrent controllers* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1385–1392.
- [200] Kim, Y.-H & Moon, B.-R. (2005) *New topologies for genetic search space* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1393–1399.
- [201] Greene, W. A. (2005) *Schema disruption in tree-structured chromosomes* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1401–1408.
- [202] Ding, L & Yu, J. (2005) *Some theoretical results about the computation time of evolutionary algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1409–1415.
- [203] Ando, S, Sakuma, J, & Kobayashi, S. (2005) *Adaptive isolation model using data clustering for multimodal function optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1417–1424.
- [204] Borenstein, Y & Poli, R. (2005) *Information landscapes and problem hardness* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1425–1431.
- [205] Branke, J, Salihoğlu, E, & İmre Uyar. (2005) *Towards an analysis of dynamic environments* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1433–1440.
- [206] Guofang, N, Minqiang, L, & Jisong, K. (2005) *Multi-level genetic algorithm (MLGA) for the construction of clock binary tree* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1441–1445.
- [207] Gong, Y, Nakamura, M, & Tamaki, S. (2005) *Parallel genetic algorithms on line topology of heterogeneous computing resources* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1447–1454.
- [208] Chen, J.-H, Ho, S.-Y, & Goldberg, D. E. (2005) *Quality-time analysis of multi-objective evolutionary algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1455–1462.

- [209] Ong, T. J, Saunders, R, Keyser, J, & Leggett, J. J. (2005) *Terrain generation using genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1463–1470.
- [210] hsiung Chan, C, Lee, S.-A, Kao, C.-Y, & Tsai, H.-K. (2005) *Improving EAX with restricted 2-opt* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1471–1476.
- [211] Yilmaz, S, Ivanov, K, & Levine, S. (2005) *Application of genetic algorithm to optimize burnable poison placement in pressurized water reactors* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1477–1483.
- [212] Mori, N, Takeda, M, & Matsumoto, K. (2005) *A comparison study between genetic algorithms and bayesian optimize algorithms by novel indices* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1485–1492.
- [213] Rand, W & Riolo, R. (2005) *The problem with a self-adaptative mutation rate in some environments: a case study using the shaky ladder hyperplane-defined functions* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1493–1500.
- [214] hua Yang, Z, cheng Fang, J, & qiang Qi, Z. (2005) *Flight midcourse guidance control based on genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1501–1506.
- [215] Martin, J. G. (2005) *Subproblem optimization by gene correlation with singular value decomposition* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1507–1514.
- [216] Borenstein, Y & Poli, R. (2005) *Information landscapes* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1515–1522.
- [217] Russell, M. A & Lamont, G. B. (2005) *A genetic algorithm for unmanned aerial vehicle routing* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1523–1530.
- [218] Amor, H. B & Rettinger, A. (2005) *Intelligent exploration for genetic algorithms: using self-organizing maps in evolutionary computation* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1531–1538.

- [219] Thierens, D. (2005) *An adaptive pursuit strategy for allocating operator probabilities* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1539–1546.
- [220] Peterson, M. R, Doom, T. E, & Raymer, M. L. (2005) *GA-facilitated classifier optimization with varying similarity measures* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1549–1550.
- [221] Lyman, M & Lewandowski, G. (2005) *Genetic programming for association rules on card sorting data* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1551–1552.
- [222] Paszyska, A. (2005) *An extension of vose's markov chain model for genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1553–1554.
- [223] Wang, Z.-G, Rahman, M, & Wong, Y.-S. (2005) *Multi-niche crowding in the development of parallel genetic simulated annealing* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1555–1556.
- [224] Bui, L. T, Branke, J, & Abbass, H. A. (2005) *Diversity as a selection pressure in dynamic environments* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1557–1558.
- [225] H., J. A. M. (2005) *Search space modulation in genetic algorithms: evolving the search space by sinusoidal transformations* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1559–1560.
- [226] Ohnishi, K & Yoshida, K. (2005) *Evolutionary change in developmental timing* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1561–1562.
- [227] Vrajitoru, D & DeBonis, J. (2005) *Hybrid real-coded mutation for genetic algorithms applied to graph layouts* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1563–1564.
- [228] Cherba, D. M, Punch, W, Duxbury, P, Billinge, S, & Juhas, P. (2005) *Conformation of an ideal bucky ball molecule by genetic algorithm and geometric constraint from pair distance data: genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1565–1566.

- [229] Auwatanamongkol, S. (2005) *Inexact pattern matching using genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1567–1568.
- [230] Cong, L, Sha, Y, Jiao, L, & Liu, F. (2005) *Directional self-learning of genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1569–1570.
- [231] Reis, C, Machado, J. A. T, & Cunha, J. B. (2005) *Fractional dynamic fitness functions for GA-based circuit design* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1571–1572.
- [232] Ando, S & Kobayashi, S. (2005) *Fitness-based neighbor selection for multimodal function optimization* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1573–1574.
- [233] Berntsson, J & Tang, M. (2005) *Adaptive sizing of populations and number of islands in distributed genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1575–1576.
- [234] Zhang, J, Chung, H. S. H, & Zhong, J. (2005) *Adaptive crossover and mutation in genetic algorithms based on clustering technique* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1577–1578.
- [235] Berntsson, J & Tang, M. (2005) *Dynamic optimization of migration topology in internet-based distributed genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1579–1580.
- [236] Kim, J.-H, Choi, S.-S, & Moon, B.-R. (2005) *Normalization for neural network in genetic search* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1581–1582.
- [237] Ahn, C. W, Oh, S, & Ramakrishna, R. S. (2005) *On the practical genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1583–1584.
- [238] Sait, S. M, Faheemuddin, M, Minhas, M. R, & Sanaullah, S. (2005) *Multiobjective VLSI cell placement using distributed genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1585–1586.

- [239] Ferretti, E & Esquivel, S. (2005) *Knowledge insertion: an efficient approach to reduce effort in simple genetic algorithms for unrestricted parallel equal machines scheduling* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1587–1588.
- [240] Sokolov, A, Whitley, D, & Lunacek, M. (2005) *Alternative implementations of the Griewangk function* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1589–1590.
- [241] Diaz-Gomez, P. A & Hougen, D. F. (2005) *Analysis and mathematical justification of a fitness function used in an intrusion detection system* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1591–1592.
- [242] Fenton, P & Walsh, P. (2005) *A comparison of messy GA and permutation based GA for job shop scheduling* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1593–1594.
- [243] Affenzeller, M, Wagner, S, & Winkler, S. (2005) *Goal-oriented preservation of essential genetic information by offspring selection* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1595–1596.
- [244] León-Barranco, A, Barajas, S. E, & Reyes, C. A. (2005) *ARGEN + AREPO: mixing the artificial genetic engineering and artificial evolution of populations to improve the search process* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1597–1598.
- [245] Moore, F. W. (2005) *A genetic algorithm for optimized reconstruction of quantized one-dimensional signals* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1599–1600.
- [246] Chen, S & Pitt, G. (2005) *Isolating the benefits of respect* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1601–1602.
- [247] Stevens, J, Heckendorn, R. B, & Soule, T. (2005) *Exploiting disruption aversion to control code bloat* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1605–1612.
- [248] Collins, M. (2005) *Finding needles in haystacks is harder with neutrality* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1613–1618.

- [249] Hu, J, Zhong, X, & Goodman, E. D. (2005) *Open-ended robust design of analog filters using genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1619–1626.
- [250] Daida, J. M. (2005) *Towards identifying populations that increase the likelihood of success in genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1627–1634.
- [251] Lasarczyk, C. W. G & Banzhaf, W. (2005) *Total synthesis of algorithmic chemistries* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1635–1640.
- [252] Zechman, E. M & Ranjithan, S. R. (2005) *Multipopulation cooperative coevolutionary programming (MCCP) to enhance design innovation* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1641–1648.
- [253] Walker, J. A & Miller, J. F. (2005) *Investigating the performance of module acquisition in cartesian genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1649–1656.
- [254] Massey, P, Clark, J. A, & Stepney, S. (2005) *Evolution of a human-competitive quantum fourier transform algorithm using genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1657–1663.
- [255] Dempsey, I, O'Neill, M, & Brabazon, A. (2005) *Meta-grammar constant creation with grammatical evolution by grammatical evolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1665–1671.
- [256] Silva, S & Costa, E. (2005) *Resource-limited genetic programming: the dynamic approach* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1673–1680.
- [257] Jackson, D. (2005) *Parsing and translation of expressions by genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1681–1688.
- [258] Spector, L, Klein, J, & Keijzer, M. (2005) *The Push3 execution stack and the evolution of control* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1689–1696.

- [259] Janikow, C. Z & Mann, C. J. (2005) *CGP visits the Santa Fe trail: effects of heuristics on GP* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1697–1704.
- [260] Murata, T & Nakamura, T. (2005) *Genetic network programming with automatically defined groups for assigning proper roles to multiple agents* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1705–1712.
- [261] Daida, J. M, Samples, M. E, & Byom, M. J. (2005) *Probing for limits to building block mixing with a tunably-difficult problem for genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1713–1720.
- [262] Richards, M. D, Whitley, D, Beveridge, J. R, Mytkowicz, T, Nguyen, D, & Rome, D. (2005) *Evolving cooperative strategies for UAV teams* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1721–1728.
- [263] Hornby, G. S. (2005) *Measuring, enabling and comparing modularity, regularity and hierarchy in evolutionary design* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1729–1736.
- [264] Smith, III, J. F. (2005) *Evolving fuzzy decision tree structure that adapts in real-time* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1737–1744.
- [265] Jackson, D. (2005) *Dormant program nodes and the efficiency of genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1745–1751.
- [266] Cavill, R, Smith, S, & Tyrrell, A. (2005) *Multi-chromosomal genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1753–1759.
- [267] Zhang, B.-T & Jang, H.-Y. (2005) *Molecular programming: evolving genetic programs in a test tube* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1761–1768.
- [268] Besetti, S & Soule, T. (2005) *Function choice, resiliency and growth in genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1771–1772.

- [269] Majeed, H, Ryan, C, & Azad, R. M. A. (2005) *Evaluating GP schema in context* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1773–1774.
- [270] Yanai, K & Iba, H. (2005) *Probabilistic distribution models for EDA-based GP* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1775–1776.
- [271] Poli, R & Langdon, W. B. (2005) *Backward-chaining genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1777–1778.
- [272] Foreman, N & Evett, M. (2005) *Preventing overfitting in GP with canary functions* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1779–1780.
- [273] Pillay, N. (2005) *An investigation into using genetic programming as a means of inducing solutions to novice procedural programming problems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1781–1782.
- [274] Gelly, S, Teytaud, O, Bredeche, N, & Schoenauer, M. (2005) *A statistical learning theory approach of bloat* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1783–1784.
- [275] Ondas, R, Pelikan, M, & Sastry, K. (2005) *Scalability of genetic programming and probabilistic incremental program evolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1785–1786.
- [276] Luo, X, Heywood, M. I, & Zincir-Heywood, A. N. (2005) *Evolving recurrent models using linear GP* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1787–1788.
- [277] Antolk, J & Hsu, W. H. (2005) *Evolutionary tree genetic programming* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1789–1790.
- [278] Samples, M. E, Daida, J. M, Byom, M, & Pizzimenti, M. (2005) *Parameter sweeps for exploring GP parameters* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1791–1792.

- [279] Wierstra, D, Gomez, F. J, & Schmidhuber, J. (2005) *Modeling systems with internal state using evoluno* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1795–1802.
- [280] Ravichandran, B, Gandhe, A, & Smith, R. E. (2005) *XCS for robust automatic target recognition* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1803–1810.
- [281] Shafti, L. S & Pérez, E. P. (2005) *Constructive induction and genetic algorithms for learning concepts with complex interaction* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1811–1818.
- [282] Mellor, D. (2005) *A first order logic classifier system* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1819–1826.
- [283] Lanzi, P. L, Loiacono, D, Wilson, S. W, & Goldberg, D. E. (2005) *Extending XCSF beyond linear approximation* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1827–1834.
- [284] Butz, M. V. (2005) *Kernel-based, ellipsoidal conditions in the real-valued XCS classifier system* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1835–1842.
- [285] Bacardit, J. (2005) *Analysis of the initialization stage of a Pittsburgh approach learning classifier system* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1843–1850.
- [286] Drugowitsch, J & Barry, A. M. (2005) *XCS with eligibility traces* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1851–1858.
- [287] Lanzi, P. L, Loiacono, D, Wilson, S. W, & Goldberg, D. E. (2005) *XCS with computed prediction in multistep environments* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1859–1866.
- [288] Landau, S, Sigaud, O, & Schoenauer, M. (2005) *ATNoSFERES revisited* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1867–1874.

- [289] Browne, W & Scott, D. (2005) *An abstraction algorithm for genetics-based reinforcement learning* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1875–1882.
- [290] Dam, H. H, Abbass, H. A, & Lokan, C. (2005) *DXCS: an XCS system for distributed data mining* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1883–1890.
- [291] Llorca & #224;, X, Sastry, K, & Goldberg, D. E. (2005) *The compact classifier system: motivation, analysis, and first results* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1993–1994.
- [292] Ecmis, I, Bonabeau, E, & Ashburn, T. (2005) *Interactive estimation of agent-based financial markets models: modularity and learning* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1897–1904.
- [293] Budynek, J, Bonabeau, E, & Shargel, B. (2005) *Evolving computer intrusion scripts for vulnerability assessment and log analysis* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1905–1912.
- [294] Sit, Y. F & Mikkulainen, R. (2005) *Learning basic navigation for personal satellite assistant using neuroevolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1913–1920.
- [295] Garrett, D, Vannucci, J, Silva, R, Dasgupta, D, & Simien, J. (2005) *Genetic algorithms for the sailor assignment problem* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1921–1928.
- [296] Ridder, J. P & HandUber, J. C. (2005) *Mission planning for joint suppression of enemy air defenses using a genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1929–1936.
- [297] Bradstreet, L, Barone, L, & While, L. (2005) *Map-labelling with a multi-objective evolutionary algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1937–1944.
- [298] Schlichter, T, Haubelt, C, & Teich, J. (2005) *Improving EA-based design space exploration by utilizing symbolic feasibility tests* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1945–1952.

- [299] Koza, J. R., Al-Sakran, S. H., & Jones, L. W. (2005) *Automated re-invention of six patented optical lens systems using genetic programming* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1953–1960.
- [300] Grasemann, U & Miikkulainen, R. (2005) *Effective image compression using evolved wavelets* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1961–1968.
- [301] Lameijer, E.-W., IJzerman, A., & Kok, J. (2005) *The molecule evaluator: an interactive evolutionary algorithm for designing drug molecules* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1969–1976.
- [302] Stanley, K., Kohl, N., Sherony, R., & Miikkulainen, R. (2005) *Neuroevolution of an automobile crash warning system* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1977–1984.
- [303] Mierswa, I. (2005) *Incorporating fuzzy knowledge into fitness: multiobjective evolutionary 3D design of process plants* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1985–1992.
- [304] Montana, D & Redi, J. (2005) *Optimizing parameters of a mobile ad hoc network protocol with a genetic algorithm* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1993–1998.
- [305] Keijzer, M., Baptist, M., Babovic, V., & Uthurburu, J. R. (2005) *Determining equations for vegetation induced resistance using genetic programming* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 1999–2006.
- [306] Kicinger, R., Arciszewski, T., & De Jong, K. (2005) *Parameterized versus generative representations in structural design: an empirical comparison* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2007–2014.
- [307] Stevens, D., Das, S., & Natarajan, B. (2005) *A multi-objective algorithm for DS-CDMA code design based on the clonal selection principle* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2015–2020.
- [308] Rothlauf, F., Schunk, D., & Pfeiffer, J. (2005) *Classification of human decision behavior: finding modular decision rules with genetic algorithms* eds. Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2021–2028.

- [309] Lee, G & Bulitko, V. (2005) *GAMM: genetic algorithms with meta-models for vision* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2029–2036.
- [310] Choi, Y.-S, Moon, B.-R, & Seo, S. Y. (2005) *Genetic fuzzy discretization with adaptive intervals for classification problems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2037–2043.
- [311] Han, J & Bhanu, B. (2005) *Hierarchical multi-sensor image registration using evolutionary computation* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2045–2052.
- [312] Nassu, B. T, Duarte, Jr., E. P, & Pozo, A. T. R. (2005) *A comparison of evolutionary algorithms for system-level diagnosis* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2053–2060.
- [313] Kwon, Y.-K, Choi, S.-S, & Moon, B.-R. (2005) *Stock prediction based on financial correlation* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2061–2066.
- [314] Wilson, G & Heywood, M. (2005) *Use of a genetic algorithm in brill's transformation-based part-of-speech tagger* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2067–2073.
- [315] Wight, J & Zhang, Y. (2005) *An "ageing" operator and its use in the highly constrained topological optimization of HVAC system design* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2075–2082.
- [316] Ahrens, B. (2005) *Genetic algorithm optimization of superresolution parameters* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2083–2088.
- [317] Kwon, Y.-K & Moon, B.-R. (2005) *Nonlinear feature extraction using a neuro genetic hybrid* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2089–2096.
- [318] Sureka, A & Wurman, P. R. (2005) *Applying metaheuristic techniques to search the space of bidding strategies in combinatorial auctions* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2097–2103.

- [319] Gong, M, Wang, L, Jiao, L, & Du, H. (2005) *An artificial immune system algorithm for CDMA multiuser detection over multi-path channels* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2105–2111.
- [320] Carter, E, Ebdon, S, & Neal-Sturgess, C. (2005) *Optimization of passenger car design for the mitigation of pedestrian head injury using a genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2113–2120.
- [321] Hijazi, S. L, Natarajan, B, & Das, S. (2005) *An ant colony algorithm for multi-user detection in wireless communication systems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2121–2126.
- [322] Cochenour, G, Simon, J, Das, S, Pahwa, A, & Nag, S. (2005) *A pareto archive evolutionary strategy based radial basis function neural network training algorithm for failure rate prediction in overhead feeders* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2127–2132.
- [323] Nummela, J & Julstrom, B. A. (2005) *Evolving petri nets to represent metabolic pathways* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2133–2139.
- [324] Yuan, B, Gallagher, M, & Crozier, S. (2005) *MRI magnet design: search space analysis, EDAs and a real-world problem with significant dependencies* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2141–2148.
- [325] Talaie, S, Leigh, R, Louis, S. J, & Raines, G. L. (2005) *Predicting mining activity with parallel genetic algorithms* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2149–2155.
- [326] Das, S, Konar, A, & Chakraborty, U. K. (2005) *An efficient evolutionary algorithm applied to the design of two-dimensional IIR filters* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2157–2163.
- [327] Soltoggio, A. (2005) *An enhanced GA to improve the search process reliability in tuning of control systems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2165–2172.
- [328] Hasenjaeger, M, Sendhoff, B, Sonoda, T, & Arima, T. (2005) *Three dimensional evolutionary aerodynamic design optimization with CMA-ES* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule,

- T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2173–2180.
- [329] Pham, Q. T. (2005) *Evolutionary optimization of dynamic control problems accelerated by progressive step reduction* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2181–2187.
 - [330] Alim, F & Ivanov, K. (2005) *Heuristic rules embedded genetic algorithm to solve in-core fuel management optimization problem* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2191–2192.
 - [331] Sanchez, E, Schillaci, M, Reorda, M. S, Squillero, G, Sterpone, L, & Violante, M. (2005) *New evolutionary techniques for test-program generation for complex microprocessor cores* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2193–2194.
 - [332] Hiroyasu, T, Miki, M, Nakayama, S, & Hanada, Y. (2005) *Multi-objective optimization of diesel engine emissions and fuel economy using SPEA2+* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2195–2196.
 - [333] Dahal, K. P, Galloway, S. J, Burt, G. M, McDonald, J. R, & Hopkins, I. (2005) *A case study of process facility optimization using discrete event simulation and genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2197–2198.
 - [334] Szumlanski, S. R, Wu, A. S, & Hughes, C. E. (2005) *Collaborative interactive evolution* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2199–2200.
 - [335] Sato, Y & Kanno, R. (2005) *Event-driven learning classifier systems for online soccer games* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2201–2202.
 - [336] Whiting, P, Poon, P. W, & Carter, J. N. (2005) *A genetic algorithm approach to the selection of near-optimal subsets from large sets* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2203–2204.
 - [337] Jin, M.-H, Kao, C.-Y, Huang, Y.-C, Hsu, D. F, Lee, R.-G, & Lee, C.-K. (2005) *Compact genetic algorithm for active interval scheduling in hierarchical sensor networks* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2205–2206.

- [338] Castillo, F. A & Villa, C. M. (2005) *Symbolic regression in multicollinearity problems* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2207–2208.
- [339] Daoud, M & Kharma, N. (2005) *GATS 1.0: a novel GA-based scheduling algorithm for task scheduling on heterogeneous processor nets* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2209–2210.
- [340] Meekhof, T & Heckendorn, R. B. (2005) *Using evolutionary optimization to improve markov-based classification with limited training data* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2211–2212.
- [341] Day, R. O, Nunez, A. S, & Lamont, G. B. (2005) *MOEA design of robust digital symbol sets* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2213–2214.
- [342] Seo, K, Goodman, E. D, & Rosenberg, R. C. (2005) *Design of air pump system using bond graph and genetic programming method* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2215–2216.
- [343] Lim, C & Sim, E. (2005) *Production planning in manufacturing/remanufacturing environment using genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2217–2218.
- [344] Díaz, D. S & Romay, M. G. (2005) *Introducing a watermarking with a multi-objective genetic algorithm* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2219–2220.
- [345] Ferreira, T. A. E, Vasconcelos, G. C, & Adeodato, P. J. L. (2005) *A new evolutionary method for time series forecasting* eds. Beyer, H.-G, O'Reilly, U.-M, Arnold, D. V, Banzhaf, W, Blum, C, Bonabeau, E. W, Cantu-Paz, E, Dasgupta, D, Deb, K, Foster, J. A, de Jong, E. D, Lipson, H, Llorca, X, Mancoridis, S, Pelikan, M, Raidl, G. R, Soule, T, Tyrrell, A. M, Watson, J.-P, & Zitzler, E. (ACM Press, Washington DC, USA), Vol. 2, pp. 2221–2222.