

Список литературы

- [1] Zhou Y, Tan Y. Particle swarm optimization with triggered mutation and its implementation based on GPU. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1-8.
- [2] Chen Z, He Z, Zhang C. Particle swarm optimizer with self-adjusting neighborhoods. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 9-14.
- [3] Vanneschi L, Codecasa D, Mauri G. An empirical comparison of parallel and distributed particle swarm optimization methods. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 15-22.
- [4] Lin Y, min Hu X, Zhang J. An ant-colony-system-based activity scheduling method for the lifetime maximization of heterogeneous wireless sensor networks. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 23-30.
- [5] jie Yu W, Zhang J. Pheromone-distribution-based adaptive ant colony system. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 31-8.
- [6] Zhan ZH, Zhang J. Self-adaptive differential evolution based on PSO learning strategy. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 39-46.
- [7] Lemmens N, Tuyls K. Stigmergic landmark routing: a routing algorithm for wireless mobile ad-hoc networks. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 47-54.
- [8] Deb K, Padhye N. Development of efficient particle swarm optimizers by using concepts from evolutionary algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 55-62.
- [9] Neumann F, Sudholt D, Witt C. A few ants are enough: ACO with iteration-best update. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 63-70.
- [10] Lopez-Ibanez M, Stuetzle T. The impact of design choices of multiobjective antcolony optimization algorithms on performance: an experimental study on the biobjective TSP. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 71-8.
- [11] Salim S, Javed M, Akbar AH. Honey-bee dancing-inspired architecture for fault tolerance in wireless sensor networks. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 79-80.

- [12] Mohemmed AW, Zhang M, Browne WN. Particle swarm optimisation for outlier detection. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 83-4.
- [13] Brown JB, Huber M. Pseudo-hierarchical ant-based clustering using a heterogeneous agent hierarchy and automatic boundary formation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 85-6.
- [14] Ducatelle F, Di Caro GA, Gambardella LM. Cooperative self-organization in a heterogeneous swarm robotic system. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 87-94.
- [15] Pilat ML, Jacob C. Evolution of vision capabilities in embodied virtual creatures. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 95-102.
- [16] Lehman J, Stanley KO. Revising the evolutionary computation abstraction: minimal criteria novelty search. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 103-10.
- [17] Bongard JC, Hornby GS. Guarding against premature convergence while accelerating evolutionary search. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 111-8.
- [18] Koos S, Mouret JB, Doncieux S. Crossing the reality gap in evolutionary robotics by promoting transferable controllers. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 119-26.
- [19] Knudson M, Tumer K. Coevolution of heterogeneous multi-robot teams. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 127-34.
- [20] Goldsby HJ, Knoester DB, Ofria C. Evolution of division of labor in genetically homogenous groups. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 135-42.
- [21] Connelly BD, Beckmann BE, McKinley PK. Resource abundance promotes the evolution of public goods cooperation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 143-50.
- [22] Hiller JD, Lipson H. Morphological evolution of freeform robots. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 151-2.
- [23] Fernando C. Neuronal replicators solve the stability-plasticity dilemma. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 153-4.

- [24] Wong KC, Leung KS, Wong MH. Protein structure prediction on a lattice model via multimodal optimization techniques. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 155-62.
- [25] Farinaccio A, Vanneschi L, Giacobini M, Mauri G, Provero P. On the use of genetic programming for the prediction of survival in cancer. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 163-70.
- [26] Lo LY, Chan TM, Lee KH, Leung KS. Challenges rising from learning motif evaluation functions using genetic programming. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 171-8.
- [27] Kamath U, De Jong KA, Shehu A. Selecting predictive features for recognition of hypersensitive sites of regulatory genomic sequences with an evolutionary algorithm. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 179-86.
- [28] García-Martínez C, Lima C, Twycross J, Krasnogor N, Lozano M. P system model optimisation by means of evolutionary based search algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 187-94.
- [29] Urbanowicz RJ, Moore JH. The application of michigan-style learning classifiersystems to address genetic heterogeneity and epistasis in association studies. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 195-202.
- [30] Holzinger ER, Buchanan CC, Dudek SM, Torstenson EC, Turner SD, Ritchie MD. Initialization parameter sweep in ATHENA: optimizing neural networks for detecting gene-gene interactions in the presence of small main effects. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 203-10.
- [31] Atilgan E, Hu J. Efficient protein-ligand docking using sustainable evolutionary algorithm. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 211-2.
- [32] Kubalik J, Buryan P, Wagner L. Solving the DNA fragment assembly problem efficiently using iterative optimization with evolved hypermutations. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 213-4.
- [33] Sinnott-Armstrong NA, Greene CS, Moore JH. Fast genome-wide epistasis analysis using ant colony optimization for multifactor dimensionality reduction analysis on graphics processing units. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 215-6.
- [34] Jiang H, Chen Y. An efficient algorithm for generalized minimum spanning tree problem. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 217-24.

- [35] Iordache S. Consultant-guided search: a new metaheuristic for combinatorial optimization problems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 225-32.
- [36] Wu SX, Banzhaf W. A hierarchical cooperative evolutionary algorithm. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 233-40.
- [37] Bibai J, Saveant P, Schoenauer M, Vidal V. On the generality of parameter tuning in evolutionary planning. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 241-8.
- [38] Hildebrandt T, Heger J, Scholz-Reiter B. Towards improved dispatching rules for complex shop floor scenarios: a genetic programming approach. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 257-64.
- [39] Leung KM, Zhang X. Discrete versus continuous parametrization of bank credit rating systems optimization using differential evolution. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 265-72.
- [40] Stonedahl F, Stonedahl SH. Heuristics for sampling repetitions in noisy landscapes with fitness caching. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 273-80.
- [41] Ren Z, Feng Z. An ant colony optimization approach to the multiple-choice multidimensional knapsack problem. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 281-8.
- [42] Doğan E, Erdal F, Saka MP. Optimum design of grillage systems under code provisions using particle swarm optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 289-90.
- [43] Merelo JJ, Mora AM, Runarsson TP. Beating exhaustive search at its own game: revisiting evolutionary mastermind. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 291-2.
- [44] Tsai CW, Tseng SP, Chiang MC, Yang CS. A framework for accelerating metaheuristics via pattern reduction. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 293-4.
- [45] Kimbrough SO, Kuo A, Lau HC. Effective heuristic methods for finding non-optimal solutions of interest in constrained optimization models. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 295-6.
- [46] López-Camacho E, Terashima-Marín H, Ross P, Valenzuela-Rendón M. Problem-state representations in a hyper-heuristic approach for the 2D irregular BPP. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 297-8.

- [47] Montero E, Riff MC, Neveu B. An evaluation of off-line calibration techniques for evolutionary algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 299-300.
- [48] Steitz W, Rothlauf F. Solving OCST problems with problem-specific guided local search. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 301-2.
- [49] Radetic E, Pelikan M. Spurious dependencies and EDA scalability. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 303-10.
- [50] Chuang CY, Hsu WL. Multivariate multi-model approach for globally multimodal problems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 311-8.
- [51] hui Zhong J, Zhang J. A robust estimation of distribution algorithm for power electronic circuits design. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 319-26.
- [52] Yang J, Xu H, Cai Y, Jia P. Effective structure learning for EDA via L1-regularized bayesian networks. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 327-34.
- [53] Luong HN, Nguyen HTT, Ahn CW. Entropy-based substructural local search for the bayesian optimization algorithm. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 335-42.
- [54] Nguyen HTT, Luong HN, Ahn CW. Entropy measurement-based estimation model for bayesian optimization algorithm. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 343-50.
- [55] Bosman PAN. The anticipated mean shift and cluster registration in mixture-based EDAs for multi-objective optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 351-8.
- [56] Salinas-Gutiérrez R, Hernández-Aguirre A, Villa-Diharce ER. D-vine EDA: a new estimation of distribution algorithm based on regular vines. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 359-66.
- [57] Nikanjam A, Sharifi H, Helmi BH, Rahmani A. A new DSM clustering algorithm for linkage groups identification. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 367-8.
- [58] Melkozerov A, Beyer HG. On the analysis of self-adaptive evolution strategies on elliptic model: first results. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 369-76.

- [59] Chwatal AM, Raidl GR, Zöch M. Fitting multi-planet transit models to photometric time-data series by evolution strategies. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 377-84.
- [60] Arnold DV, Hansen N. Active covariance matrix adaptation for the (1+1)-CMA-ES. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 385-92.
- [61] Glasmachers T, Schaul T, Yi S, Wierstra D, Schmidhuber J. Exponential natural evolution strategies. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 393-400.
- [62] Preuss M, Rudolph G, Wessing S. Tuning optimization algorithms for real-world problems by means of surrogate modeling. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 401-8.
- [63] Gong W, Álvaro Fialho, Cai Z. Adaptive strategy selection in differential evolution. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 409-16.
- [64] Ma H, Simon D. Biogeography-based optimization with blended migration for constrained optimization problems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 417-8.
- [65] Gonzales E, Mabu S, Taboada K, Hirasawa K, Shimada K. Pruning association rules using statistics and genetic relation algorithm. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 419-20.
- [66] Shir OM, Roslund J, Rabitz H. Forced optimal covariance adaptive learning: modified CMA-ES for efficient hessian determination. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 421-2.
- [67] Liu R, Zhang W, Jiao L, Liu F, Ma J. A sphere-dominance based preference immune-inspired algorithm for dynamic multi-objective optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 423-30.
- [68] Lochtefeld DF, Ciarallo FW. Deterministic helper-objective sequences applied to job-shop scheduling. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 431-8.
- [69] Schrum J, Miikkulainen R. Evolving agent behavior in multiobjective domains using fitness-based shaping. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 439-46.
- [70] Ulrich T, Bader J, Zitzler E. Integrating decision space diversity into hypervolume-based multiobjective search. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 455-62.

- [71] Li M, Zheng J, Shen R, Li K, Yuan Q. A grid-based fitness strategy for evolutionary many-objective optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 463-70.
- [72] Loshchilov I, Schoenauer M, Sebag M. A mono surrogate for multiobjective optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 471-8.
- [73] Sharma D, Collet P. An archived-based stochastic ranking evolutionary algorithm (asrea) for multi-objective optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 479-86.
- [74] VoßT, Hansen N, Igel C. Improved step size adaptation for the MO-CMA-ES. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 487-94.
- [75] Berghammer R, Friedrich T, Neumann F. Set-based multi-objective optimization, indicators, and deteriorative cycles. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 495-502.
- [76] Kramer O, Danielsiek H. DBSCAN-based multi-objective niching to approximate equivalent pareto-subsets. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 503-10.
- [77] Bringmann K, Friedrich T. The maximum hypervolume set yields near-optimal approximation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 511-8.
- [78] Ishibuchi H, Sakane Y, Tsukamoto N, Nojima Y. Simultaneous use of different scalarizing functions in MOEA/D. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 519-26.
- [79] Folino F, Pizzuti C. Multiobjective evolutionary community detection for dynamic networks. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 535-6.
- [80] Zapotecas Martínez S, Coello Coello CA. A multi-objective meta-model assisted memetic algorithm with non gradient-based local search. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 537-8.
- [81] Dumitrescu D, Lung RI, Nagy R, Zaharie D, Bartha A. Exploring evolutionary detected fuzzy equilibria: a link between normative theory and real life. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 539-40.
- [82] Hutzschenreuter AK, Bosman PAN, La Poutre H. Enhanced hospital resource management using anticipatory policies in online dynamic multi-objective optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 541-2.

- [83] Schmidt MD, Lipson H. Age-fitness pareto optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 543-4.
- [84] Martí L, García J, Berlanga A, Molina JM. Moving away from error-based learning in multi-objective estimation of distribution algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 545-6.
- [85] Verbancsics P, Stanley KO. Transfer learning through indirect encoding. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 547-54.
- [86] Downing KL. The baldwin effect in developing neural networks. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 555-62.
- [87] Risi S, Lehman J, Stanley KO. Evolving the placement and density of neurons in the hyperneat substrate. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 563-70.
- [88] Steiner T, Jin Y, Sendhoff B. Evolving heterochrony for cellular differentiation using vector field embryogeny. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 571-8.
- [89] Harding S, Miller JF, Banzhaf W. Self modifying cartesian genetic programming: finding algorithms that calculate pi and e to arbitrary precision. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 579-86.
- [90] Mouret JB, Doncieux S, Girard B. Importing the computational neuroscience toolbox into neuro-evolution-application to basal ganglia. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 587-94.
- [91] Trefzer MA, Kuyucu T, Miller JF, Tyrrell AM. Image compression of natural images using artificial gene regulatory networks. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 595-602.
- [92] Knoester DB, Goldsby HJ, McKinley PK. Neuroevolution of mobile ad hoc networks. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 603-10.
- [93] Moriguchi H, Honiden S. Sustaining behavioral diversity in NEAT. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 611-8.
- [94] Koutnik J, Gomez F, Schmidhuber J. Evolving neural networks in compressed weight space. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 619-26.

- [95] Auerbach JE, Bongard JC. Evolving CPPNs to grow three-dimensional physical structures. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 627-34.
- [96] Clune J, Beckmann BE, McKinley PK, Ofria C. Investigating whether hyperNEAT produces modular neural networks. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 635-42.
- [97] Inden B, Jin Y, Haschke R, Ritter H. NEATfields: evolution of neural fields. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 645-6.
- [98] Soule T, Heckendorn RB. A developmental algorithm for multi-agent swarms with scalable hierarchies. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 647-8.
- [99] Collier R, Wineberg M. Approaches to multidimensional scaling for adaptive landscape visualization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 649-56.
- [100] Benjamin J, Julstrom BA. Breaking ties with secondary fitness in a genetic algorithm for the bin packing problem. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 657-64.
- [101] Pelikan M. NK landscapes, problem difficulty, and hybrid evolutionary algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 665-72.
- [102] Yehoshua R, Avigal M, Unger R. Analysis of the effects of lifetime learning on population fitness using vose model. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 681-8.
- [103] Tulshyan R, Arora R, Deb K, Dutta J. Investigating EA solutions for approximate KKT conditions in smooth problems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 689-96.
- [104] Lien TC, Yu TL, You YS. Co-evolution of cooperative strategies under egoism. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 697-704.
- [105] Jansen T, Zarges C. Aging beyond restarts. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 705-12.
- [106] Hauschild MW, Pelikan M. Network crossover performance on NK landscapes and deceptive problems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 713-20.

- [107] Vafaei F, Turán G, Nelson PC. Optimizing genetic operator rates using a markov chain model of genetic algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 721-8.
- [108] Wen Y, Xu H, Yang J. A heuristic-based hybrid genetic algorithm for heterogeneous multiprocessor scheduling. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 729-36.
- [109] Unachak P, Goodman E. Solving multiobjective flexible job-shop scheduling using an adaptive representation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 737-42.
- [110] de Mendonca Neta BM, Araujo GHD, Guimaraes FG, Mesquita RC. A hybrid genetic algorithm for automatic graph drawing based on the topology-shape-metric approach. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 743-50.
- [111] Barreto AMS, Bernardino HS, Barbosa HJC. Probabilistic performance profiles for the experimental evaluation of stochastic algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 751-8.
- [112] Doerr B, Johannsen D. Edge-based representation beats vertex-based representation in shortest path problems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 759-66.
- [113] Álvaro Fialho, Schoenauer M, Sebag M. Toward comparison-based adaptive operator selection. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 767-74.
- [114] Galan SF, Mengshoel OJ. Generalized crowding for genetic algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 775-82.
- [115] Avery P, Louis S. Coevolving influence maps for spatial team tactics in a RTS game. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 783-90.
- [116] Carlson BP, Hougen DF. Phenotype feedback genetic algorithm operators for heuristic encoding of snakes within hypercubes. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 791-8.
- [117] Crofford J, Eskridge BE, Hougen DF. Applying the triple parameter hypothesis to maintenance scheduling. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 799-806.
- [118] Cook JE, Tauritz DR. An exploration into dynamic population sizing. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 807-14.

- [119] Ter-Sarkisov A, Marsland SR, Holland BR. The K-bit-swap: a new genetic algorithm operator. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 815-6.
- [120] De Prisco R, Zaccagnino G, Zaccagnino R. EvoBassComposer: a multi-objective genetic algorithm for 4-voice compositions. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 817-8.
- [121] Nadi F, Khader AT, Al-Betar MA. Adaptive genetic algorithm using harmony search. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 819-20.
- [122] Kureichik VM, Lebedev BK, Lebedev OB. Hybrid evolutionary algorithm of planning VLSI. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 821-2.
- [123] Addicoat MA, Brain ZE. Using a Meta-GA for parametric optimization of simple gas in the computational chemistry domain. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 823-4.
- [124] Abbas HM. Mixed-coded evolutionary algorithm for Gaussian mixture maximum likelihood clustering with model selection. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 825-6.
- [125] Esparcia-Alcázar AI, Martínez-García A, Mora AM, Merelo JJ, García-Sánchez P. Genetic evolution of fuzzy finite state machines to control bots in a first-person shooter game. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 829-30.
- [126] Ortegon-Cano P, Hartasanchez DA, Stephens CR. Why recombination should be adaptive. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 831-2.
- [127] Meekhof T, Soule T. Noise pressure: systematic overestimation of population fitness in genetic algorithms with noisy fitness functions. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 833-4.
- [128] Herrera-Ortiz JA, Oliver-Morales C, Rodríguez-Vázquez K. Amount and type of information: a GA-hardness taxonomy. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 835-6.
- [129] Bhowan U, Zhang M, Johnston M. AUC analysis of the pareto-front using multi-objective GP for classification with unbalanced data. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 845-52.
- [130] Lichodziejewski P, Heywood MI. Symbiosis, complexification and simplicity under GP. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 853-60.

- [131] Trujillo L, Legrand P, Lévy-Véhel J. The estimation of hölderian regularity using genetic programming. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 861-8.
- [132] Uy NQ, Hoai NX, O'Neill M, McKay B. Semantics based crossover for boolean problems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 869-76.
- [133] Downey C, Zhang M, Browne WN. New crossover operators in linear genetic programming for multiclass object classification. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 885-92.
- [134] Azad RMA, Ryan C. Abstract functions and lifetime learning in genetic programming for symbolic regression. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 893-900.
- [135] Galván-López E, McDermott J, O'Neill M, Brabazon A. Towards an understanding of locality in genetic programming. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 901-8.
- [136] Zafra A, Ventura S. Grammar guided genetic programming for multiple instance learning: an experimental study. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 909-16.
- [137] Pennachin CL, Looks M, de Vasconcelos JA. Robust symbolic regression with affine arithmetic. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 917-24.
- [138] Augusto DA, Barbosa HJC, Ebecken NFF. Coevolutionary multi-population genetic programming for data classification. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 933-40.
- [139] Vladislavleva K, Veeramachaneni K, Burland M, Parcon J, O'Reilly UM. Knowledge mining with genetic programming methods for variable selection in flavor design. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 941-8.
- [140] Foster B, Somayaji A. Object-level recombination of commodity applications. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 957-64.
- [141] Fast E, Le Gouse C, Forrest S, Weimer W. Designing better fitness functions for automated program repair. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 965-72.
- [142] Momm HG, Easson G. Population restarting: a study case of feature extraction from remotely sensed imagery using textural information. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 973-4.

- [143] Barrero DF, Camacho D, R-Moreno MD. Confidence intervals of success rates in evolutionary computation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 975-6.
- [144] Ahalpara DP. Improved forecasting of time series data of real system using genetic programming. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 977-8.
- [145] Wang J, Tan Y. A novel genetic programming based morphological image analysis algorithm. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 979-80.
- [146] Curran D, Freuder E, Jansen T. Incremental evolution of local search heuristics. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 981-2.
- [147] Gajda Z, Sekanina L. When does Cartesian genetic programming minimize the phenotype size implicitly? In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 983-4.
- [148] Borges CE, Alonso CL, Montana JL. Model selection in genetic programming. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 985-6.
- [149] McMullin M, Soule T. Constant versus variable arity operators in genetic programming. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 987-8.
- [150] Alonso F, Martínez L, Santamaría A, Pérez A, Valente JP. GGGP-based method for modeling time series: operator selection, parameter optimization and expert evaluation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 989-90.
- [151] Toledo-Suárez CD. A first assessment of the use of extended relational alphabets in accuracy classifier systems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 991-8.
- [152] Manning EP. Coevolution in a large search space using resource-limited nash memory. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 999-1006.
- [153] Johansson U, König R, Niklasson L. Genetic rule extraction optimizing brier score. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1007-14.
- [154] Lode C, Richter U, Schmeck H. Adaption of XCS to multi-learner predator/prey scenarios. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1015-22.

- [155] Orriols-Puig A, Llorà X, Goldberg DE. How XCS deals with rarities in domains with continuous attributes. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1023-30.
- [156] Snel M, Whiteson S. Multi-task evolutionary shaping without pre-specified representations. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1031-8.
- [157] Franco MA, Krasnogor N, Bacardit J. Speeding up the evaluation of evolutionary learning systems using GPGPUs. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1039-46.
- [158] Liškiewicz M, Textor J. Negative selection algorithms without generating detectors. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1047-54.
- [159] Macià N, Orriols-Puig A, Bernadó-Mansilla E. In search of targeted-complexity problems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1055-62.
- [160] Su C, Gao Y, Cao C. Learning classifier system using both labeled and unlabeled data. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1065-6.
- [161] Behdad M, French T, Barone L, Bennamoun M. On the problems of using learning classifier systems for fraud detection. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1067-8.
- [162] Meiguins ASG, Freitas AA, Limao RC, Junior SFS, Meiguins BS. An estimation of distribution algorithm for the automatic generation of clustering algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1069-70.
- [163] Buryan P, Kubalik J. Context-sensitive refinements for stochastic optimization algorithms in inductive logic programming. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1071-2.
- [164] Rajagopalan P, Rawal A, Miikkulainen R. Emergence of competitive and cooperative behavior using coevolution. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1073-4.
- [165] Walton M, Grewal G, Darlington G. Parallel FPGA-based implementation of scatter search. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1075-82.
- [166] Luque G, Alba E. Selection pressure and takeover time of distributed evolutionary algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1083-8.

- [167] Vrajitoru D. Shared memory genetic algorithms in a multi-agent context. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1097-104.
- [168] Lässig J, Sudholt D. The benefit of migration in parallel evolutionary algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1105-12.
- [169] Shimada K, Hirasawa K. A method of association rule analysis for incomplete database using genetic network programming. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1115-22.
- [170] Salichon M, Tumer K. A neuro-evolutionary approach to micro aerial vehicle control. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1123-30.
- [171] II JFS, Tumer K. Robust neuro-control for a micro quadrotor. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1131-8.
- [172] Wilson G, Banzhaf W. Interday foreign exchange trading using linear genetic programming. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1139-46.
- [173] Myburgh C, Deb K. Evolutionary algorithms in large-scale open pit mine scheduling. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1155-62.
- [174] Garrett A, Chen Z, Smith DE. Constructing numerically stable real number codes using evolutionary computation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1163-70.
- [175] Jaros J, Dvorak V. Evolutionary-based conflict-free scheduling of collective communications on spidergon NoCs. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1171-8.
- [176] Kim K, McKay RB, Moon BR. Multiobjective evolutionary algorithms for dynamic social network clustering. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1179-86.
- [177] Reehuis E, Bäck T. Mixed-integer evolution strategy using multiobjective selection applied to warehouse design optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1187-94.
- [178] Al-Betar MA, Khader AT, Nadi F. Selection mechanisms in memory consideration for examination timetabling with harmony search. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1203-10.

- [179] Lee SK, Moon BR. A new modular genetic programming for finding attractive technical patterns in stock markets. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1219-26.
- [180] Colmenar JM, Risco-Martín JL, Atienza D, Garnica O, Hidalgo JI, Lanchares J. Improving reliability of embedded systems through dynamic memory manager optimization using grammatical evolution. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1227-34.
- [181] Ovreiu M, Simon D. Biogeography-based optimization of neuro-fuzzy system parameters for diagnosis of cardiac disease. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1235-42.
- [182] Stracquadanio G, Drago C, Romano V, Nicosia G. Multi-objective optimization of doping profile in semiconductor design. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1243-50.
- [183] Pedersen GKM, Butz MV. Evolving robust controller parameters using covariance matrix adaptation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1251-8.
- [184] Padhye N, Deb K. Evolutionary multi-objective optimization and decision making for selective laser sintering. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1259-66.
- [185] Ceriani M, Ferrandi F, Lanzi PL, Sciuto D, Tumeo A. Multiprocessor systems-on-chip synthesis using multi-objective evolutionary computation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1267-74.
- [186] Tanji M, Iba H. ConBreO: a music performance rendering system using hybrid approach of IEC and automated evolution. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1275-82.
- [187] Veeramachaneni K, Vladislavleva K, Burland M, Parcon J, O'Reilly UM. Evolutionary optimization of flavors. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1291-8.
- [188] Mayfield E, Penstein-Rosé C. Using feature construction to avoid large feature spaces in text classification. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1299-306.
- [189] Sierra A, Ponsoda V. Shorter, more reliable and valid tests by means of a genetic algorithm. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1307-8.
- [190] Choi YS, Koo BK, Moon BR. Optimization of an image set by genetic feature selection for real-time photomosaics. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1309-10.

- [191] Sugawara T, Fukuda K, Hirotsu T, Kurihara S. Adaptive probabilistic task allocation in large-scale multi-agent systems and its evaluation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1311-2.
- [192] de A Araújo R, de Oliveira ALI, Soares SCB. A covariance matrix adaptation based evolutionary methodology for phase adjustment in financial time series forecasting. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1315-6.
- [193] Mosnier D, Gillot F, Ducloux A, Ichchou M. Integrated pre-design step methodology based on multi-objective evolutionary optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1317-8.
- [194] You YS, Yu TL, Lien TC. Psychological preference-based optimization framework on the nurse scheduling problem. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1319-20.
- [195] Sato M, Sato Y, Namiki M. Proposal of a multi-core processor architecture for effective evolutionary computation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1321-2.
- [196] Tutum CC, Hattel JH. Multi-objective optimization of process parameters in friction stir welding. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1323-4.
- [197] Roychoudhury S, Das S, Scoglio C, Das S, Panigrahi BK, Pattnaik SS. Mitigation strategies in epidemics: evolutionary optimization using a hierarchy of objective functions. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1325-6.
- [198] Evins R, Pointer P, Vaidyanathan R. Configuration of a genetic algorithm for multi-objective optimisation of solar gain to buildings. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1327-8.
- [199] Di Carlo S, Sanchez E, Scionti A, Squillero G, Tonda AP, Falasconi M. Towards drift correction in chemical sensors using an evolutionary strategy. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1329-30.
- [200] Afridi MJ, Manzoor S, Rasheed U, Ahmed M, Faraz K. Performance evaluation of evolutionary algorithms for road detection. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1331-2.
- [201] Jensen AC, Cheng BHC. On the use of genetic programming for automated refactoring and the introduction of design patterns. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1341-8.
- [202] Windisch A. Search-based test data generation from stateflow statecharts. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1349-56.

- [203] Zhang Y, Alba E, Durillo JJ, Eldh S, Harman M. Today/future importance analysis. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1357-64.
- [204] Xu Z, Cohen MB, Rothermel G. Factors affecting the use of genetic algorithms in test suite augmentation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1365-72.
- [205] Conrad AP, Roos RS, Kapfhammer GM. Empirically studying the role of selection operators during search-based test suite prioritization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1373-80.
- [206] Hall M, McMinn P, Walkinshaw N. Superstate identification for state machines using search-based clustering. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1381-8.
- [207] Kremmel T, Kubalik J, Biffl S. Multiobjective evolutionary algorithm for software project portfolio optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1389-90.
- [208] Wilkerson JL, Tauritz D. Coevolutionary automated software correction. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1391-2.
- [209] Kötzing T, Lehre PK, Neumann F, Oliveto PS. Ant colony optimization and the minimum cut problem. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1393-400.
- [210] Akimoto Y, Nagata Y, Ono I, Kobayashi S. Theoretical analysis of evolutionary computation on continuously differentiable functions. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1401-8.
- [211] Whitley LD, Chicano F, Alba E, Luna F. Elementary landscapes of frequency assignment problems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1409-16.
- [212] Sanyal S, S R, Biswas S. Necessary and sufficient conditions for success of the metropolis algorithm for optimization. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1417-24.
- [213] Chicano F, Luque G, Alba E. Elementary landscape decomposition of the quadratic assignment problem. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1425-32.
- [214] Johannsen D, Kurur PP, Lengler J. Can quantum search accelerate evolutionary algorithms? In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1433-40.

- [215] Lehre PK, Witt C. Black-box search by unbiased variation. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1441-8.
- [216] Horoba C, Sudholt D. Ant colony optimization for stochastic shortest path problems. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1465-72.
- [217] Manzoni L, Vanneschi L, Mauri G. Definition of a crossover based distance for genetic algorithms. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1473-4.
- [218] Valsecchi A, Vanneschi L, Mauri G. Optimization speed and fair sets of functions. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1475-6.
- [219] de Mattos Neto PSG, Lima Junior AR, Ferreira TAE. Time series forecasting using a perturbative intelligent system. In: Branke J, Pelikan M, Alba E, Arnold DV, Bongard J, Brabazon A, et al., editors. GECCO '10: Proceedings of the 12th annual conference on Genetic and evolutionary computation. Portland, Oregon, USA: ACM; 2010. p. 1477-8.