

Список литературы

- [1] Abdelbar, A. M. (2012) Is there a computational advantage to representing evaporation rate in ant colony optimization as a gaussian random variable? Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1–8, ACM.
- [2] Chen, Y., Mazlack, L., and Lu, L. (2012) Learning fuzzy cognitive maps from data by ant colony optimization. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 9–16, ACM.
- [3] Doerr, B., Hota, A., and Kötzing, T. (2012) Ants easily solve stochastic shortest path problems. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 17–24, ACM.
- [4] Garcia-Nieto, J. and Alba, E. (2012) Why six informants is optimal in pso. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 25–32, ACM.
- [5] Vendramin, A. C. B. K., Munaretto, A., de Biase da Silva Delgado, M. R., and Viana, A. C. (2012) Cgrant: a swarm intelligence-based routing protocol for delay tolerant networks. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 33–40, ACM.
- [6] Lourenço, N. and Pereira, F. B. (2012) Dacco: a discrete ant colony algorithm to cluster geometry optimization. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 41–48, ACM.
- [7] Medland, M. and Otero, F. (2012) A study of different quality evaluation functions in the cant-miner(pb) classification algorithm. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 49–56, ACM.
- [8] Munoz-Zavala, A. E. and Hernandez-Ramos, E. J. (2012) Optimal cyclic replacement policy in mss maintenance via binomial-pso. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 57–64, ACM.
- [9] Piperagkas, G. S., Georgoulas, G., Parsopoulos, K. E., Stylios, C. D., and Likas, A. C. (2012) Integrating particle swarm optimization with reinforcement learning in noisy problems. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 65–72, ACM.
- [10] Vellasques, E., Sabourin, R., and Granger, E. (2012) Gaussian mixture modeling for dynamic particle swarm optimization of recurrent problems. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 73–80, ACM.
- [11] Xue, B., Zhang, M., and Browne, W. N. (2012) Multi-objective particle swarm optimisation (pso) for feature selection. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 81–88, ACM.
- [12] Cazenille, L., Bredeche, N., Hamann, H., and Stradner, J. (2012) Impact of neuron models and network structure on evolving modular robot neural network controllers. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 89–96, ACM.

- [13] Doucette, J. A., Lichodziejewski, P., and Heywood, M. I. (2012) Hierarchical task decomposition through symbiosis in reinforcement learning. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 97–104, ACM.
- [14] Hardey, K., Corapcioglu, E., Mattis, M., Goadrich, M., and Jadud, M. (2012) Exploring and evolving process-oriented control for real and virtual fire fighting robots. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 105–112, ACM.
- [15] Inden, B. (2012) Open-ended coevolution and the emergence of complex irreducible functional units in iterated number sequence games. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 113–120, ACM.
- [16] Jeanson, F. and White, A. (2012) Evolving axonal delay neural networks for robot control. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 121–128, ACM.
- [17] Lim, S. L. and Bentley, P. J. (2012) How to be a successful app developer: lessons from the simulation of an app ecosystem. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 129–136, ACM.
- [18] Meng, Y. and Guo, H. (2012) Evolving network motifs based morphogenetic approach for self-organizing robotic swarms. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 137–144, ACM.
- [19] Moore, J. M. and McKinley, P. K. (2012) Evolving flexible joint morphologies. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 145–152, ACM.
- [20] Solomon, M., Soule, T., and Heckendorn, R. B. (2012) A comparison of a communication strategies in cooperative learning. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 153–160, ACM.
- [21] Tanev, I., Kuyucu, T., and Shimohara, K. (2012) On the cumulative effect of bloat and genetic transposition on the efficiency of incremental evolution of snake-like robot. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 161–168, ACM.
- [22] Baumbach, J., Friedrich, T., Kötzing, T., Krohmer, A., Müller, J., and Pauling, J. (2012) Efficient algorithms for extracting biological key pathways with global constraints. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 169–176, ACM.
- [23] Marco, D., Shankland, C., and Cairns, D. (2012) Evolving bio-pepa process algebra models using genetic programming. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 177–184, ACM.
- [24] Mendoza, M. R., Lopes, F. M., and Bazzan, A. L. C. (2012) Reverse engineering of grns: an evolutionary approach based on the tsallis entropy. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 185–192, ACM.

- [25] Pizzuti, C. and Rombo, S. (2012) Experimental evaluation of topological-based fitness functions to detect complexes in ppi networks. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 193–200, ACM.
- [26] Firoz, J. S., Rahman, M. S., and Saha, T. K. (2012) Bee algorithms for solving dna fragment assembly problem with noisy and noiseless data. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 201–208, ACM.
- [27] Zaki, N., Berengueres, J., and Efimov, D. (2012) Prorank: a method for detecting protein complexes. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 209–216, ACM.
- [28] Hausknecht, M., Khandelwal, P., Miikkulainen, R., and Stone, P. (2012) Hyperneat-ggp: a hyperneat-based atari general game player. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 217–224, ACM.
- [29] Hornby, G. S. and Bongard, J. C. (2012) Accelerating human-computer collaborative search through learning comparative and predictive user models. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 225–232, ACM.
- [30] Machado, P. and Pereira, L. (2012) Photogrowth: non-photorealistic renderings through ant paintings. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 233–240, ACM.
- [31] Bosman, P. A. and Alderliesten, T. (2012) Incremental gaussian model-building in multi-objective edas with an application to deformable image registration. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 241–248, ACM.
- [32] Brownlee, A. E., McCall, J. A., and Pelikan, M. (2012) Influence of selection on structure learning in markov network edas: an empirical study. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 249–256, ACM.
- [33] Iclanzan, D. (2012) Higher-order linkage learning in the ecga. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 265–272, ACM.
- [34] Pelikan, M. and Hauschild, M. W. (2012) Distance-based bias in model-directed optimization of additively decomposable problems. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 273–280, ACM.
- [35] Rojas-Galeano, S. and Rodriguez, N. (2012) A memory efficient and continuous-valued compact eda for large scale problems. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 281–288, ACM.
- [36] Thierens, D. and Bosman, P. (2012) Predetermined versus learned linkage models. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 289–296, ACM.

- [37] Arnold, D. V. and Hansen, N. (2012) A (1+1)-cma-es for constrained optimisation. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 297–304, ACM.
- [38] Beyer, H.-G. and Hellwig, M. (2012) Mutation strength control by meta-es on the sharp ridge. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 305–312, ACM.
- [39] Bischl, B., Mersmann, O., Trautmann, H., and Preuß, M. (2012) Algorithm selection based on exploratory landscape analysis and cost-sensitive learning. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 313–320, ACM.
- [40] Loshchilov, I., Schoenauer, M., and Sebag, M. (2012) Self-adaptive surrogate-assisted covariance matrix adaptation evolution strategy. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 321–328, ACM.
- [41] Schaul, T. (2012) Natural evolution strategies converge on sphere functions. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 329–336, ACM.
- [42] Araya, I., Pérez, L., and Riff, M. C. (2012) Towards a population-based framework for improving stochastic local search algorithms. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 337–344, ACM.
- [43] Boumaza, A. and Brun, A. (2012) From neighbors to global neighbors in collaborative filtering: an evolutionary optimization approach. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 345–352, ACM.
- [44] Chalupa, D. (2012) On the efficiency of an order-based representation in the clique covering problem. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 353–360, ACM.
- [45] Choi, J., Yoon, Y., and Moon, B.-R. (2012) An efficient genetic algorithm for subgraph isomorphism. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 361–368, ACM.
- [46] Daolio, F., Verel, S., Ochoa, G., and Tomassini, M. (2012) Local optima networks and the performance of iterated local search. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 369–376, ACM.
- [47] Macharet, D. G., Neto, A. A., Fiuza da Camara Neto, V., and Campos, M. M. (2012) An evolutionary approach for the dubins’ traveling salesman problem with neighborhoods. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 377–384, ACM.
- [48] Herbawi, W. M. and Weber, M. (2012) A genetic and insertion heuristic algorithm for solving the dynamic ridematching problem with time windows. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 385–392, ACM.

- [49] Hu, B. and Raidl, G. (2012) An evolutionary algorithm with solution archives and bounding extension for the generalized minimum spanning tree problem. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 393–400, ACM.
- [50] Kattan, A. and Arif, M. (2012) Pso based on surrogate modeling as meta-search to optimise evolutionary algorithms parameters. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 401–408, ACM.
- [51] Moreno-Scott, J. H., Ortíz-Bayliss, J. C., Terashima-Marín, H., and Conant-Pablos, S. E. (2012) Challenging heuristics: evolving binary constraint satisfaction problems. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 409–416, ACM.
- [52] Nascimento, M., Toledo, F., and Carvalho, A. (2012) A hybrid heuristic for the k-medoids clustering problem. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 417–424, ACM.
- [53] Song, B. and Li, V. (2012) A hybridization between memetic algorithm and semidefinite relaxation for the max-cut problem. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 425–432, ACM.
- [54] Sutton, A. M., Day, J., and Neumann, F. (2012) A parameterized runtime analysis of evolutionary algorithms for max-2-sat. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 433–440, ACM.
- [55] Zhang, Q., Manier, H., and Manier, M.-A. (2012) A hybrid metaheuristic algorithm for flexible job-shop scheduling problems with transportation constraints. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 441–448, ACM.
- [56] Abdou, W., Bloch, C., Charlet, D., and Spies, F. (2012) Adaptive multi-objective genetic algorithm using multi-pareto-ranking. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 449–456, ACM.
- [57] Bringmann, K. and Friedrich, T. (2012) Convergence of hypervolume-based archiving algorithms ii: competitiveness. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 457–464, ACM.
- [58] Brockhoff, D., Wagner, T., and Trautmann, H. (2012) On the properties of the r2 indicator. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 465–472, ACM.
- [59] Garza-Fabre, M., Toscano-Pulido, G., and Rodriguez-Tello, E. (2012) Locality-based multiobjectivization for the hp model of protein structure prediction. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 473–480, ACM.
- [60] Ishibuchi, H., Yamane, M., and Nojima, Y. (2012) Effects of discrete objective functions with different granularities on the search behavior of emo algorithms. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 481–488, ACM.

- [61] Nagy, R., Suci, M. A., and Dumitrescu, D. (2012) Lorenz equilibrium: equitability in non-cooperative games. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 489–496, ACM.
- [62] Phan, D. H., Suzuki, J., and Hayashi, I. (2012) Leveraging indicator-based ensemble selection in evolutionary multiobjective optimization algorithms. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 497–504, ACM.
- [63] Villalobos, C. A. R. and Coello, C. A. C. (2012) A new multi-objective evolutionary algorithm based on a performance assessment indicator. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 505–512, ACM.
- [64] Wang, R., Purshouse, R., and Fleming, P. (2012) Local preference-inspired co-evolutionary algorithms. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 513–520, ACM.
- [65] Auerbach, J. E. and Bongard, J. C. (2012) On the relationship between environmental and morphological complexity in evolved robots. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 521–528, ACM.
- [66] Beal, J., Mostafa, H., Mozeika, A., Axelrod, B., Adler, A., Markiewicz, G., and Usbeck, K. (2012) A manifold operator representation for adaptive design. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 529–536, ACM.
- [67] Cussat-Blanc, S. and Pollack, J. (2012) A cell-based developmental model to generate robot morphologies. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 537–544, ACM.
- [68] Drchal, J. and Snorek, M. (2012) Distance measures for hypergp with fitness sharing. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 545–552, ACM.
- [69] Fernández, J. D., Vico, F., and Doursat, R. (2012) Complex and diverse morphologies can develop from a minimal genomic model. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 553–560, ACM.
- [70] Joachimczak, M. and Wróbel, B. (2012) Co-evolution of morphology and control of soft-bodied multicellular animats. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 561–568, ACM.
- [71] Richards, D., Dunn, N., and Amos, M. (2012) An evo-devo approach to architectural design. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 569–576, ACM.
- [72] Sayama, H. (2012) Morphologies of self-organizing swarms in 3d swarm chemistry. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 577–584, ACM.

- [73] Coles, D. (2012) Efficient filters for the simulated evolution of small sorting networks. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 593–600, ACM.
- [74] Collier, R. and Wineberg, M. (2012) An empirical approach to the measurement of interchromosomal distances in the genetic algorithm. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 601–608, ACM.
- [75] De Lucia, A., Di Penta, M., Oliveto, R., and Panichella, A. (2012) Estimating the evolution direction of populations to improve genetic algorithms. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 617–624, ACM.
- [76] Goldman, B. W. and Tauritz, D. R. (2012) Linkage tree genetic algorithms: variants and analysis. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 625–632, ACM.
- [77] Hauschild, M., Bhatia, S., and Pelikan, M. (2012) Image segmentation using a genetic algorithm and hierarchical local search. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 633–640, ACM.
- [78] Lee, H. and Yu, T.-L. (2012) Off-line building block identification: detecting building blocks directly from fitness without genetic algorithms. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 641–648, ACM.
- [79] Moraglio, A. and Sudholt, D. (2012) Runtime analysis of convex evolutionary search. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 649–656, ACM.
- [80] Rotaru, C. and Brudaru, O. (2012) Dynamic segregative genetic algorithm for optimizing the variable ordering of robdds. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 657–664, ACM.
- [81] Sarasola, B. and Alba, E. (2012) How long should we run in dynamic optimization? Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 665–672, ACM.
- [82] Simoes, A. and Costa, E. (2012) Enhancing the virtual loser genetic algorithm for dynamic environments. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 673–680, ACM.
- [83] Soares, S., Antunes, C., and Araújo, R. (2012) A genetic algorithm for designing neural network ensembles. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 681–688, ACM.
- [84] Sudholt, D. (2012) Crossover speeds up building-block assembly. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 689–702, ACM.

- [85] Atwater, A., Heywood, M. I., and Zincir-Heywood, N. (2012) Gp under streaming data constraints: a case for pareto archiving? Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 703–710, ACM.
- [86] Bailey, A., Ventresca, M., and Ombuki-Berman, B. (2012) Automatic generation of graph models for complex networks by genetic programming. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 711–718, ACM.
- [87] Bassett, J., Kamath, U., and De Jong, K. (2012) A new methodology for the gp theory toolbox. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 719–726, ACM.
- [88] Castelli, M., Manzoni, L., and Vanneschi, L. (2012) Parameter tuning of evolutionary reactions systems. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 727–734, ACM.
- [89] Cornforth, T. and Lipson, H. (2012) Symbolic regression of multiple-time-scale dynamical systems. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 735–742, ACM.
- [90] Fitzgerald, J. and Ryan, C. (2012) Exploring boundaries: optimising individual class boundaries for binary classification problem. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 743–750, ACM.
- [91] Harding, S., Graziano, V., Leitne, J., and Schmidhuber, J. (2012) Mt-cgp: mixed type cartesian genetic programming. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 751–758, ACM.
- [92] Harper, R. (2012) Spatial co-evolution: quicker, fitter and less bloated. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 759–766, ACM.
- [93] Hemberg, E., Veeramachaneni, K., McDermott, J., Berzan, C., and O'Reilly, U.-M. (2012) An investigation of local patterns for estimation of distribution genetic programming. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 767–774, ACM.
- [94] Karim, M. R. and Ryan, C. (2012) Sensitive ants are sensible ants. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 775–782, ACM.
- [95] Krawiec, K. (2012) On relationships between semantic diversity, complexity and modularity of programming tasks. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 783–790, ACM.
- [96] McDermott, J., et al. (2012) Genetic programming needs better benchmarks. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 791–798, ACM.

- [97] Neumann, F. (2012) Computational complexity analysis of multi-objective genetic programming. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 799–806, ACM.
- [98] Phong, D. N., Hoai, N. X., McKay, R. I., Siriteanu, C., Uy, N. Q., and Park, N. (2012) Evolving the best known approximation to the q function. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 807–814, ACM.
- [99] Spector, L., Harrington, K., and Helmuth, T. (2012) Tag-based modularity in tree-based genetic programming. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 815–822, ACM.
- [100] Swafford, J., Nicolau, M., Hemberg, E., O'Neill, M., and Brabazon, A. (2012) Comparing methods for module identification in grammatical evolution. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 823–830, ACM.
- [101] Weise, T., Devert, A., and Tang, K. (2012) A developmental solution to (dynamic) capacitated arc routing problems using genetic programming. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 831–838, ACM.
- [102] Ebadi, T., Zhang, M., and Browne, W. (2012) Xcs-based versus ucs-based feature pattern classification system. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 839–846, ACM.
- [103] Franco, M. A., Krasnogor, N., and Bacardit, J. (2012) Post-processing operators for decision lists. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 847–854, ACM.
- [104] Fu, W., Johnston, M., and Zhang, M. (2012) Genetic programming for edge detection using blocks to extract features. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 855–862, ACM.
- [105] Iqbal, M., Browne, W. N., and Zhang, M. (2012) Extracting and using building blocks of knowledge in learning classifier systems. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 863–870, ACM.
- [106] Kneissler, J., Stalphy, P. O., Drugowitsch, J., and Butz, M. V. (2012) Filtering sensory information with xcsf: improving learning robustness and control performance. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 871–878, ACM.
- [107] Levesque, J.-C., Durand, A., Gagne, C., and Sabourin, R. (2012) Multi-objective evolutionary optimization for generating ensembles of classifiers in the roc space. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 879–886, ACM.
- [108] Loscalzo, S., Wright, R., Acunto, K., and Yu, L. (2012) Sample aware embedded feature selection for reinforcement learning. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 887–894, ACM.

- [109] Marzukhi, S., Browne, W. N., and Zhang, M. (2012) Two-cornered learning classifier systems for pattern generation and classification. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 895–902, ACM.
- [110] Moriguchi, H. and Honiden, S. (2012) Cma-tweann: efficient optimization of neural networks via self-adaptation and seamless augmentation. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 903–910, ACM.
- [111] Stalpf, P. O. and Butz, M. V. (2012) Guided evolution in xcsf. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 911–918, ACM.
- [112] Tansey, W., Feasley, E., and Miikkulainen, R. (2012) Accelerating evolution via egalitarian social learning. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 919–926, ACM.
- [113] Urbanowicz, R., Granizo-Mackenzie, A., and Moore, J. (2012) Instance-linked attribute tracking and feedback for michigan-style supervised learning classifier systems. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 927–934, ACM.
- [114] Hennes, D., Bloembergen, D., Kaisers, M., Tuyls, K., and Parsons, S. (2012) Evolutionary advantage of foresight in markets. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 943–950, ACM.
- [115] Landa, R., Rojas, Y., and Toscano-Pulido, G. (2012) An approach for estimating separability and its application on high dimensional optimization. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 951–958, ACM.
- [116] Goues, C. L., Wemer, W., and Forrest, S. (2012) Representations and operators for improving evolutionary software repair. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 959–966, ACM.
- [117] Ly, D. L., Saxena, A., and Lipson, H. (2012) Co-evolutionary predictors for kinematic pose inference from rgb-d images. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 967–974, ACM.
- [118] hui Zhong, J. and Zhang, J. (2012) Sde: a stochastic coding differential evolution for global optimization. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 975–982, ACM.
- [119] Chatzinikolaou, N. and Robertson, D. (2012) The use of reputation as noise-resistant selection bias in a co-evolutionary multi-agent system. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 983–990, ACM.
- [120] Qin, A. K., Raimondo, F., Forbes, F., and Ong, Y. S. (2012) An improved cuda-based implementation of differential evolution on gpu. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 991–998, ACM.

- [121] Shao, S., Liu, X., Zhou, M., Zhan, J., Liu, X., Chu, Y., and Chen, H. (2012) A gpu-based implementation of an enhanced gep algorithm. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 999–1006, ACM.
- [122] Yagoubi, M. and Schoenauer, M. (2012) Asynchronous master/slave moeas and heterogeneous evaluation costs. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1007–1014, ACM.
- [123] Agogino, A., HolmesParker, C., and Tumer, K. (2012) Evolving distributed resource sharing for cubesat constellations. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1015–1022, ACM.
- [124] Ahmad, A. M., Khan, G. M., Mahmud, S. A., and Miller, J. F. (2012) Breast cancer detection using cartesian genetic programming evolved artificial neural networks. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1031–1038, ACM.
- [125] Alexander, B., Thiel, S., and Peacock, J. (2012) Application of evolutionary methods to 3d geoscience modelling. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1039–1046, ACM.
- [126] Beck, M., de Paly, M., Hecht-Méndez, J., Bayer, P., and Zell, A. (2012) Evaluation of the performance of evolutionary algorithms for optimization of low-enthalpy geothermal heating plants. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1047–1054, ACM.
- [127] Canelas, A., Neves, R., and Horta, N. (2012) A new sax-ga methodology applied to investment strategies optimization. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1055–1062, ACM.
- [128] Chou, C., Kimbrough, S., Sullivan-Fedock, J., Woodard, C. J., and Murphy, F. H. (2012) Using interactive evolutionary computation (iec) with validated surrogate fitness functions for redistricting. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1071–1078, ACM.
- [129] Churchill, A. W., Husbands, P., and Philippides, A. (2012) Metaheuristic approaches to tool selection optimisation. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1079–1086, ACM.
- [130] Hernández, D., Olague, G., Clemente, E., and Dozal, L. (2012) Evolving a conspicuous point detector based on an artificial dorsal stream: Slam system. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1087–1094, ACM.
- [131] Holena, M., Linke, D., and Bajer, L. (2012) Surrogate modeling in the evolutionary optimization of catalytic materials. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1095–1102, ACM.
- [132] Kowaliw, T. and Banzhaf, W. (2012) The unconstrained automated generation of cell image features for medical diagnosis. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1103–1110, ACM.

- [133] Krupa, J. S., Chatterjee, S., Eldridge, E., Rizzo, D. M., and Eppstein, M. J. (2012) Evolutionary feature selection for classification: a plug-in hybrid vehicle adoption application. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1111–1118, ACM.
- [134] Martins, R., Lourenço, N., and Horta, N. (2012) Laygen ii: automatic analog ics layout generator based on a template approach. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1127–1134, ACM.
- [135] McCarney, D. E., Houghten, S., and Ross, B. J. (2012) Evolutionary approaches to the generation of optimal error correcting codes. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1135–1142, ACM.
- [136] Nebel, P., Richter, G., and Weicker, K. (2012) Multi-container loading with non-convex 3d shapes using a ga/ts hybrid. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1143–1150, ACM.
- [137] Vilela Neto, O. P., Pimentel, A. S., Pacheco, M. A. C., and Ênio Frota da Silveira (2012) Evolutionary algorithms applied to elucidate ionic water cluster structure formation. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1151–1158, ACM.
- [138] Santana, R., Bonnet, L., Legény, J., and Lécuyer, A. (2012) Introducing the use of model-based evolutionary algorithms for eeg-based motor imagery classification. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1159–1166, ACM.
- [139] Smith, R. E. and Hussain, M. S. (2012) Hybrid metaheuristic particle filters for stochastic volatility estimation. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1167–1174, ACM.
- [140] Stonedahl, F. and Stonedahl, S. (2012) Darwinian rivers: evolving stream topographies to match hyporheic residence time distributions. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1175–1182, ACM.
- [141] tian Xu, R. and Zhang, J. (2012) Estimating markov switching model using differential evolution algorithm in prospective infectious disease outbreak detection. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1183–1190, ACM.
- [142] Yang, B., Guang, L., Säntti, T., and Plosila, J. (2012) t(k)-sa: accelerated simulated annealing algorithm for application mapping on networks-on-chip. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1191–1198, ACM.
- [143] de Oliveira Barros, M. (2012) An analysis of the effects of composite objectives in multiobjective software module clustering. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1205–1212, ACM.
- [144] Ferrer, J., Kruse, P. M., Chicano, F., and Alba, E. (2012) Evolutionary algorithm for prioritized pairwise test data generation. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1213–1220, ACM.

- [145] Minku, L. L., Sudholt, D., and Yao, X. (2012) Evolutionary algorithms for the project scheduling problem: runtime analysis and improved design. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1221–1228, ACM.
- [146] Wilkerson, J. L., Tauritz, D. R., and Bridges, J. M. (2012) Multi-objective coevolutionary automated software correction. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1229–1236, ACM.
- [147] Barros, R. C., Basgalupp, M. P., de Carvalho, A. C., and Freitas, A. A. (2012) A hyper-heuristic evolutionary algorithm for automatically designing decision-tree algorithms. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1237–1244, ACM.
- [148] Branke, J. and Elomari, J. A. (2012) Meta-optimization for parameter tuning with a flexible computing budget. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1245–1252, ACM.
- [149] Candan, C., Goeffon, A., Lardeux, F., and Saubion, F. (2012) A dynamic island model for adaptive operator selection. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1253–1260, ACM.
- [150] Derbel, H. and Derbel, B. (2012) On neighborhood tree search. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1261–1268, ACM.
- [151] Ortiz-Bayliss, J. C., Terashima-Marín, H., Conant-Pablos, S. E., Özcan, E., and Parkes, A. J. (2012) Improving the performance of vector hyper-heuristics through local search. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1269–1276, ACM.
- [152] Veerapen, N., Maturana, J., and Saubion, F. (2012) An exploration-exploitation compromise-based adaptive operator selection for local search. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1277–1284, ACM.
- [153] jie Yu, W. and Zhang, J. (2012) Adaptive differential evolution with optimization state estimation. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1285–1292, ACM.
- [154] Akimoto, Y. (2012) Analysis of a natural gradient algorithm on monotonic convex-quadratic-composite functions. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1293–1300, ACM.
- [155] Chicano, F., Whitley, D., and Alba, E. (2012) Exact computation of the expectation curves for uniform crossover. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1301–1308, ACM.
- [156] Jansen, T. and Zarges, C. (2012) Fixed budget computations: a different perspective on run time analysis. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1325–1332, ACM.

- [157] Koetzing, T., Sutton, A. M., Neumann, F., and O'Reilly, U.-M. (2012) The max problem revisited: the importance of mutation in genetic programming. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1333–1340, ACM.
- [158] Oliveto, P. S. and Witt, C. (2012) On the analysis of the simple genetic algorithm. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1341–1348, ACM.
- [159] Rowe, J. E. and Sudholt, D. (2012) The choice of the offspring population size in the $(1, \lambda)$ ea. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1349–1356, ACM.
- [160] Whitley, D. and Chen, W. (2012) Constant time steepest descent local search with lookahead for nk-landscapes and max-ksat. Soule, T., et al. (eds.), *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1357–1364, ACM.
- [161] Soule, T., et al. (eds.) (2012) *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*.