Список литературы

- [1] Hutterer, S., Affenzeller, M., and Auinger, F. (2012) Evolutionary optimization of multi-agent controlstrategies for electric vehicle charging. Tantar, A.-A., Tantar, E., and Bosman, P. A. (eds.), GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 3-10, ACM.
- [2] Toutouh, J. and Alba, E. (2012) Green olsr in vanets with differential evolution. Tantar, A.-A., Tantar, E., and Bosman, P. A. (eds.), GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 11–18, ACM.
- [3] Phan, D. H., Suzuki, J., Carroll, R., Balasubramaniam, S., Donnelly, W., and Botvich, D. (2012) Evolutionary multiobjective optimization for green clouds. Tantar, A.-A., Tantar, E., and Bosman, P. A. (eds.), GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 19–26, ACM.
- [4] Cavalcante, E. S., Aquino, A. L., Pappa, G. L., and Loureiro, A. A. (2012) Roadside unit deployment for information dissemination in a vanet: an evolutionary approach. Tantar, A.-A., Tantar, E., and Bosman, P. A. (eds.), GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 27–34, ACM.
- [5] Kromer, P., Prokop, L., Snasel, V., Misak, S., Platos, J., and Abraham, A. (2012) Evolutionary prediction of photovoltaic power plant energy production. Tantar, A.-A., Tantar, E., and Bosman, P. A. (eds.), GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 35–42, ACM.
- [6] Padhye, N. (2012) Evolutionary approaches for real world applications in 21st century. Padhye, N., Baughman, A., Van Der Stock, S., Perlitz, M., Gustafson, S. M., and Jesneck, J. (eds.), GECCO 2012 Real world applications of evolutionary computation, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 43–48, ACM.
- [7] Lourenço, N., Pereira, F., and Costa, E. (2012) Evolving evolutionary algorithms. Pappa, G. L., Woodward, J., Hyde, M. R., and Swan, J. (eds.), GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 51–58, ACM.
- [8] Goldman, B. W. and Tauritz, D. R. (2012) Supportive coevolution. Pappa, G. L., Woodward, J., Hyde, M. R., and Swan, J. (eds.), GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 59–66, ACM.
- [9] Woodward, J. R. and Swan, J. (2012) The automatic generation of mutation operators for genetic algorithms. Pappa, G. L., Woodward, J., Hyde, M. R., and Swan, J. (eds.), GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 67-74, ACM.
- [10] Harrington, K. I., Spector, L., Pollack, J. B., and O'Reilly, U.-M. (2012) Autoconstructive evolution for structural problems. Pappa, G. L., Woodward, J., Hyde, M. R., and Swan, J. (eds.), GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 75–82, ACM.
- [11] De Rainville, F.-M., Fortin, F.-A., Gardner, M.-A., Parizeau, M., and Gagné, C. (2012) Deap: a python framework for evolutionary algorithms. Wagner, S. and Affenzeller, M. (eds.), GECCO 2012 Evolutionary Computation Software Systems (EvoSoft), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 85–92, ACM.

- [12] Otero, F., Castle, T., and Johnson, C. (2012) Epochx: genetic programming in java with statistics and event monitoring. Wagner, S. and Affenzeller, M. (eds.), GECCO 2012 Evolutionary Computation Software Systems (EvoSoft), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 93– 100, ACM.
- [13] Kommenda, M., Kronberger, G., Wagner, S., Winkler, S., and Affenzeller, M. (2012) On the architecture and implementation of tree-based genetic programming in heuristiclab. Wagner, S. and Affenzeller, M. (eds.), GECCO 2012 Evolutionary Computation Software Systems (EvoSoft), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 101–108, ACM.
- [14] Merelo, J. J., Fernandes, C. M., Mora, A. M., and Esparcia, A. I. (2012) Sofea: a pool-based framework for evolutionary algorithms using couchdb. Wagner, S. and Affenzeller, M. (eds.), GECCO 2012 Evolutionary Computation Software Systems (EvoSoft), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 109–116, ACM.
- [15] Nashed, Y. S., Ugolotti, R., Mesejo, P., and Cagnoni, S. (2012) libcudaoptimize: an open source library of gpu-based metaheuristics. Wagner, S. and Affenzeller, M. (eds.), GECCO 2012 Evolutionary Computation Software Systems (EvoSoft), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 117–124, ACM.
- [16] Beham, A., Pitzer, E., Wagner, S., Affenzeller, M., Altendorfer, K., Felberbauer, T., and Bäck, M. (2012) Integration of flexible interfaces in optimization software frameworks for simulation-based optimization. Wagner, S. and Affenzeller, M. (eds.), GECCO 2012 Evolutionary Computation Software Systems (EvoSoft), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 125–132, ACM.
- [17] Connelly, B. D., Zaman, L., and McKinley, P. K. (2012) The seeds platform for evolutionary and ecological simulations. Wagner, S. and Affenzeller, M. (eds.), GECCO 2012 Evolutionary Computation Software Systems (EvoSoft), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 133– 140, ACM.
- [18] Scheibenpflug, A., Wagner, S., Pitzer, E., and Affenzeller, M. (2012) Optimization knowledge base: an open database for algorithm and problem characteristics and optimization results. Wagner, S. and Affenzeller, M. (eds.), GECCO 2012 Evolutionary Computation Software Systems (EvoSoft), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 141–148, ACM.
- [19] Dobslaw, F. (2012) Input: the intelligent parameter utilization tool. Wagner, S. and Affenzeller, M. (eds.), GECCO 2012 Evolutionary Computation Software Systems (EvoSoft), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 149–156, ACM.
- [20] Liao, T., Molina, D., Stutzle, T., Montes de Oca, M. A., and Dorigo, M. (2012) An aco algorithm benchmarked on the bbob noiseless function testbed. Auger, A., Chotard, A., Hansen, N., Heidrich-Meisner, V., Mersmann, O., Posik, P., and Preuss, M. (eds.), Black box optimization benchmarking 2012 (BBOB 2012), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 159–166, ACM.
- [21] Chuang, Y.-C. and Chen, C.-T. (2012) Black-box optimization benchmarking for noiseless function testbed using a direction-based rcga. Auger, A., Chotard, A., Hansen, N., Heidrich-Meisner, V., Mersmann, O., Posik, P., and Preuss, M. (eds.), Black box optimization benchmarking 2012 (BBOB 2012), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 167–174, ACM.
- [22] Loshchilov, I., Schoenauer, M., and Sebag, M. (2012) Black-box optimization benchmarking of ipop-saacm-es and bipop-saacm-es on the bbob-2012 noiseless testbed. Auger, A., Chotard, A., Hansen, N., Heidrich-Meisner, V., Mersmann, O., Posik, P., and Preuss, M. (eds.), Black box optimization benchmarking 2012 (BBOB 2012), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 175–182, ACM.
- [23] de Melo, V. V. (2012) Benchmarking the multi-view differential evolution on the noiseless bbob-2012 function testbed. Auger, A., Chotard, A., Hansen, N., Heidrich-Meisner, V., Mersmann, O., Posik, P., and Preuss, M. (eds.), *Black box optimization benchmarking 2012 (BBOB 2012)*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 183–188, ACM.

- [24] Poaík, P. and Klema, V. (2012) Benchmarking the differential evolution with adaptive encoding on noiseless functions. Auger, A., Chotard, A., Hansen, N., Heidrich-Meisner, V., Mersmann, O., Posik, P., and Preuss, M. (eds.), *Black box optimization benchmarking 2012 (BBOB 2012)*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 189–196, ACM.
- [25] Schaul, T. (2012) Benchmarking separable natural evolution strategies on the noiseless and noisy black-box optimization testbeds. Auger, A., Chotard, A., Hansen, N., Heidrich-Meisner, V., Mersmann, O., Posik, P., and Preuss, M. (eds.), Black box optimization benchmarking 2012 (BBOB 2012), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 205-212, ACM.
- [26] Voglis, C., Piperagkas, G. S., Parsopoulos, K. E., Papageorgiou, D. G., and Lagaris, I. E. (2012) Mempsode: an empirical assessment of local search algorithm impact on a memetic algorithm using noiseless testbed. Auger, A., Chotard, A., Hansen, N., Heidrich-Meisner, V., Mersmann, O., Posik, P., and Preuss, M. (eds.), Black box optimization benchmarking 2012 (BBOB 2012), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 245–252, ACM.
- [27] Brockhoff, D., Auger, A., and Hansen, N. (2012) On the effect of mirroring in the ipop active cma-es on the noiseless bbob testbed. Auger, A., Chotard, A., Hansen, N., Heidrich-Meisner, V., Mersmann, O., Posik, P., and Preuss, M. (eds.), Black box optimization benchmarking 2012 (BBOB 2012), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 277-284, ACM.
- [28] Zhang, X.-F., Koshimura, M., Fujita, H., and Hasegawa, R. (2012) Hybrid particle swarm optimization and convergence analysis for scheduling problems. Stonedahl, F. and Riolo, R. (eds.), GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 307–314, ACM.
- [29] Shafiee, E. and Zechman, E. (2012) Integrating evolutionary computation and sociotechnical simulation for flushing contaminated water distribution systems. Stonedahl, F. and Riolo, R. (eds.), GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 315–322, ACM.
- [30] Woodard, C. J. and Clemons, E. K. (2012) Modeling technology evolution using generalized genotype-phenotype maps. Stonedahl, F. and Riolo, R. (eds.), *GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS)*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 323–330, ACM.
- [31] van Lon, R. R., Holvoet, T., Vanden Berghe, G., Wenseleers, T., and Branke, J. (2012) Evolutionary synthesis of multi-agent systems for dynamic dial-a-ride problems. Stonedahl, F. and Riolo, R. (eds.), GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 331–336, ACM.
- [32] van Berkel, S., Turi, D., Pruteanu, A., and Dulman, S. (2012) Automatic discovery of algorithms for multi-agent systems. Stonedahl, F. and Riolo, R. (eds.), GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 337–344, ACM.
- [33] Ozisik, A. P. and Harrington, K. I. (2012) The effects of tags on the evolution of honest signaling. Stonedahl, F. and Riolo, R. (eds.), GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 345–352, ACM.
- [34] Doncieux, S., Jin, Y., and Mouret, J.-B. (2012) Evo-devo-robo workshop program. Doncieux, S., Jin, Y., and Mouret, J.-B. (eds.), GECCO 2012 Evolutionary developmental robotics, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 355-356, ACM.
- [35] Joachimczak, M., Kowaliw, T., Doursat, R., and Wróbel, B. (2012) Evolving morphologies and controllers for soft-bodied multicellular animats using gene regulatory networks and artificial embryogenesis. Doncieux, S., Jin, Y., and Mouret, J.-B. (eds.), *GECCO 2012 Evolutionary developmental robotics*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 357–360, ACM.

- [36] Palmer, M. E. and Chou, A. K. (2012) An artificial visual cortex drives behavioral evolution in coevolved predator and prey robots. Doncieux, S., Jin, Y., and Mouret, J.-B. (eds.), GECCO 2012 Evolutionary developmental robotics, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 361–364, ACM.
- [37] Rudinac, M., Lenseigne, B., and Jonker, P. P. (2012) Empirical mode decomposition for saliency detection. Doncieux, S., Jin, Y., and Mouret, J.-B. (eds.), *GECCO 2012 Evolutionary developmental robotics*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 365–368, ACM.
- [38] Ollion, C., Pinville, T., and Doncieux, S. (2012) Emergence of memory in neuroevolution: impact of selection pressures. Doncieux, S., Jin, Y., and Mouret, J.-B. (eds.), *GECCO 2012 Evolutionary developmental robotics*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 369–372, ACM.
- [39] Lee, P., Teng, Y., and Hsiao, T.-C. (2012) Xcsf for prediction on emotion induced by image based on dimensional theory of emotion. Loiacono, D., Orriols-Puig, A., and Urbanowicz, R. (eds.), Fifteenth international workshop on learning classifier systems (ICWLS), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 375–382, ACM.
- [40] Tinós, R. (2012) Analysing fitness landscape changes in evolutionary robots. McClymont, K. and Keedwell, E. (eds.), 1st workshop on Understanding Problems (GECCO-UP), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 385–392, ACM.
- [41] Pitzer, E., Beham, A., and Affenzeller, M. (2012) Generic hardness estimation using fitness and parameter landscapes applied to robust taboo search and the quadratic assignment problem. McClymont, K. and Keedwell, E. (eds.), 1st workshop on Understanding Problems (GECCO-UP), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 393–400, ACM.
- [42] Spector, L. (2012) Assessment of problem modality by differential performance of lexicase selection in genetic programming: a preliminary report. McClymont, K. and Keedwell, E. (eds.), 1st workshop on Understanding Problems (GECCO-UP), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 401–408, ACM.
- [43] Garrett, D. (2012) A call for collaborative landscape analysis. McClymont, K. and Keedwell, E. (eds.), 1st workshop on Understanding Problems (GECCO-UP), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 409–416, ACM.
- [44] Tosch, E. and Spector, L. (2012) Achieving cosmos: a metric for determining when to give up and when to reach for the stars. McClymont, K. and Keedwell, E. (eds.), 1st workshop on Understanding Problems (GECCO-UP), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 417–424, ACM.
- [45] McClymont, K., Walker, D., and Dupenois, M. (2012) The lay of the land: a brief survey of problem understanding. McClymont, K. and Keedwell, E. (eds.), 1st workshop on Understanding Problems (GECCO-UP), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 425–432, ACM.
- [46] Fernandes, C. M., Mora, A., Merelo, J. J., Fernández, F., and Rosa, A. (2012) Generating colored 2-dimensional representations of sleep eeg with the kants clustering algorithm. Everson, R., Fieldsend, J., and Walker, D. (eds.), GECCO 2012 Visualisation methods for genetic and evolutionary computation (VizGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 435–442, ACM.
- [47] Walker, D., Fieldsend, J., and Everson, R. (2012) Visualising many-objective populations. Everson, R., Fieldsend, J., and Walker, D. (eds.), GECCO 2012 Visualisation methods for genetic and evolutionary computation (VizGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 451– 458, ACM.
- [48] Kaliakatsos-Papakostas, M. A., Floros, A., Kanellopoulos, N., and Vrahatis, M. N. (2012) Genetic evolution of l and fl-systems for the production of rhythmic sequences. Fernandez de Vega, F. and Cotta, C. (eds.), GECCO 2012 Evolutionary music, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 461–468, ACM.

- [49] Rafael, B., Affenzeller, M., and Wagner, S. (2012) An adaption of the schema theorem to various crossover and mutation operators for a music segmentation problem. Fernandez de Vega, F. and Cotta, C. (eds.), GECCO 2012 Evolutionary music, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 469–476, ACM.
- [50] Reis, G., Fernandéz, F., and Ferreira, A. (2012) Evolutionary algorithms and automatic transcription of music. Fernandez de Vega, F. and Cotta, C. (eds.), GECCO 2012 Evolutionary music, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 477–484, ACM.
- [51] Aleb, N. and Kechid, S. (2012) A new framework for scalable genetic programming. Gustafson, S. and Vladislavleva, E. (eds.), GECCO 2012 Symbolic regression and modeling workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 487–492, ACM.
- [52] Hemberg, E., Veeramachaneni, K., and O'Reilly, U.-M. (2012) Graphical models and what they reveal about gp when it solves a symbolic regression problem. Gustafson, S. and Vladislavleva, E. (eds.), GECCO 2012 Symbolic regression and modeling workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 493–494, ACM.
- [53] Bartz-Beielstein, T., Flasch, O., and Zaefferer, M. (2012) Sequential parameter optimization for symbolic regression. Gustafson, S. and Vladislavleva, E. (eds.), *GECCO 2012 Symbolic regression and modeling workshop*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 495–496, ACM.
- [54] Kotanchek, M. (2012) Robust function discovery and feature selection for life sciences and engineering. Gustafson, S. and Vladislavleva, E. (eds.), GECCO 2012 Symbolic regression and modeling workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 497–498, ACM.
- [55] Darvish, A., Rahnamayan, S., and Mohamad, Z. S. (2012) Interactive differential evolution for prostate ultrasound image thresholding. Smith, S. L., Cagnoni, S., and Patton, R. M. (eds.), GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 501-508, ACM.
- [56] Cagnoni, S., Cordón, O., Mesejo, P., Nashed, Y. S., and Ugolotti, R. (2012) First results and future developments of the mibisoc project in the ibislab of the university of parma. Smith, S. L., Cagnoni, S., and Patton, R. M. (eds.), GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 509–516, ACM.
- [57] Dumas, L., Boutouyrie, P., and Bozec, E. (2012) An optimal reconstruction of the human arterial tree from doppler echotracking measurements. Smith, S. L., Cagnoni, S., and Patton, R. M. (eds.), GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 517–522, ACM.
- [58] Rogalsky, T. (2012) Bezier control parameterization for evolutionary optimization in disease models. Smith, S. L., Cagnoni, S., and Patton, R. M. (eds.), GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 523–530, ACM.
- [59] Bevilacqua, V., Filograno, G., Fiorentino, M., and Uva, A. E. (2012) Early diagnosis of lung tumors by genetically optimized 3d-metaball malignancy metric. Smith, S. L., Cagnoni, S., and Patton, R. M. (eds.), GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 531–538, ACM.
- [60] Tan, M., Deklerck, R., Jansen, B., and Cornelis, J. (2012) Analysis of a feature-deselective neuroevolution classifier (fd-neat) in a computer-aided lung nodule detection system for ct images. Smith, S. L., Cagnoni, S., and Patton, R. M. (eds.), GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC), Philadelphia, Pennsylvania, USA, 7-11 July, pp. 539–546, ACM.
- [61] Bernstein, O. (2012) Flea market simulator: a market simulator for experiments on the computational evolution of trading strategies for economic agents. Goings, S. (ed.), Tenth GECCO Undergraduate Student Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 549– 554, ACM.

- [62] Gagne, D. J. (2012) Gamiv: a genetic algorithm for identifying variable-lengthmotifs in noncoding dna. Goings, S. (ed.), Tenth GECCO Undergraduate Student Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 555–558, ACM.
- [63] English, A., Petruso, H., and Wang, C. (2012) Grammatical evolution decision trees for trio designs. Goings, S. (ed.), Tenth GECCO Undergraduate Student Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 559–562, ACM.
- [64] Thompson, J. (2012) Trade-offs using gamid for the inference of dna motifs that are represented in only a subset of sequences of interest. Goings, S. (ed.), *Tenth GECCO Undergraduate Student Workshop*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 563–568, ACM.
- [65] Yeboah-Antwi, K. (2012) Evolving software applications using genetic programming pushcalc: the evolved calculator. Goings, S. (ed.), *Tenth GECCO Undergraduate Student Workshop*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 569–572, ACM.
- [66] Gao, Y. and Lv, D. (2012) Principal coordinate strategy: a novel adaptive control strategy for differential evolution. Goings, S. (ed.), Tenth GECCO Undergraduate Student Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 573-578, ACM.
- [67] Kuehn, T. J. (2012) Evolutionary fabrication: a system of autonomous invention. Goings, S. (ed.), Tenth GECCO Undergraduate Student Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 579–584, ACM.
- [68] Mlakar, M., Tuaar, T., and Filipić, B. (2012) Discrete vs. continuous multiobjective optimization of continuous casting of steel. Motsinger-Reif, A. (ed.), GECCO 2012 Graduate Students Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 587–590, ACM.
- [69] Buzdalov, M. and Sokolov, A. (2012) Evolving efsms solving a path-planning problem by genetic programming. Motsinger-Reif, A. (ed.), GECCO 2012 Graduate Students Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 591-594, ACM.
- [70] Marvel, S. and Motsinger-Reif, A. (2012) Grammatical evolution support vector machines for predicting human genetic disease association. Motsinger-Reif, A. (ed.), GECCO 2012 Graduate Students Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 595–598, ACM.
- [71] Han, S. (2012) Batting order optimization by genetic algorithm. Motsinger-Reif, A. (ed.), GECCO 2012 Graduate Students Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 599–602, ACM.
- [72] Chivilikhin, D., Ulyantsev, V., and Tsarev, F. (2012) Test-based extended finite-state machines induction with evolutionary algorithms and ant colony optimization. Motsinger-Reif, A. (ed.), GECCO 2012 Graduate Students Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 603–606, ACM.
- [73] Hoover, K., Marceau, R., Harris, T., Reif, D., and Motsinger-Reif, A. (2012) A comparison of ge optimized neural networks and decision trees. Motsinger-Reif, A. (ed.), GECCO 2012 Graduate Students Workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 611–614, ACM.
- [74] Yoon, D.-M. and Kim, K.-J. (2012) Comparison of scoring methods for interactive evolutionary computation based image retouching system. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 617–618, ACM.
- [75] Comis Da Ronco, C. and Benini, E. (2012) Gedea-ii: a simplex-crossover based multi objective evolutionary algorithm including the genetic diversity asobjective. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 619–620, ACM.
- [76] Semenov, M. A. and Stratonowitch, P. (2012) Application of evolutionary algorithms for model calibration. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 621–622, ACM.

- [77] Ellabaan, M. M. H. and Ong, Y. S. (2012) Experiences on memetic computation for locating transition states in biochemical applications. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 623–624, ACM.
- [78] Mukherjee, S. and Eppstein, M. J. (2012) Differential evolution of constants in genetic programming improves efficacy and bloat. Rodriguez, K. and Blum, C. (eds.), *GECCO 2012 Late breaking abstracts workshop*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 625–626, ACM.
- [79] Beliveau, P., Hornby, G., and Bongard, J. (2012) Interactive simulated robot construction and controller evolution. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 627–628, ACM.
- [80] Tsutsui, S. and Fujimoto, N. (2012) On the effect of using multiple gpus in solving qaps with cuda. Rodriguez, K. and Blum, C. (eds.), *GECCO 2012 Late breaking abstracts workshop*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 629–630, ACM.
- [81] Benbassat, A. and Sipper, M. (2012) Evolving players that use selective game-tree search with genetic programming. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 631–632, ACM.
- [82] Pilat, M. and Neruda, R. (2012) A surrogate multiobjective evolutionary strategy with local search and pre-selection. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 633–634, ACM.
- [83] Zaglauer, S. (2012) The evolutionary algorithm samoa with use of dynamic constraints. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 635–636, ACM.
- [84] Porta, M. and Julstrom, B. A. (2012) Evolving instances of unconstrained binary quadratic programming that challenge a tabu search heuristic. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 639–640, ACM.
- [85] soo Park, H. and Kim, K. J. (2012) Automatic python programming using stack-based genetic programming. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 641–642, ACM.
- [86] Fonlupt, C. and Robilliard, D. (2012) Combining programs to counter code disruption. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 643–644, ACM.
- [87] Srivastava, R. K., Schmidhuber, J., and Gomez, F. (2012) Generalized compressed network search. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 647-648, ACM.
- [88] Ho, T.-Y. and Yu, T.-L. (2012) A linkage-learning niching in estimation of distribution algorithm. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 649-650, ACM.
- [89] Banerjee, A. (2012) Density-based evolutionary outlier detection. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 651–652, ACM.
- [90] Quiroz, J. C., Banerjee, A., and Louis, S. J. (2012) 3-d modeling using collaborative evolution. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 653-654, ACM.
- [91] Iclanzan, D., Gaskó, N., and Dumitrescu, D. (2012) Evolving mixed nash equilibria for bimatrix games. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 655-656, ACM.

- [92] Raway, T., Schaffer, D. J., Kurtz, K. J., and Sayama, H. (2012) Evolving data sets to highlight the performance differences between machine learning classifiers. Rodriguez, K. and Blum, C. (eds.), GECCO 2012 Late breaking abstracts workshop, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 657–658, ACM.
- [93] Celis, S. E. and Bongard, J. (2012) Not all physics simulators can be wrong in the same way. Rodriguez, K. and Blum, C. (eds.), *GECCO 2012 Late breaking abstracts workshop*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 659–660, ACM.
- [94] Ismail, S. B., Legras, F., and Coppin, G. (2012) A new interactive evolutionary algorithm for the vehicle routing problem. Rodriguez, K. and Blum, C. (eds.), *GECCO 2012 Late breaking abstracts workshop*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 661–668, ACM.
- [95] Goodman, E. D. (2012) Introduction to genetic algorithms. Ochoa, G. (ed.), GECCO 2012 Introductory tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 671–692, ACM.
- [96] O'Reilly, U.-M. (2012) Genetic programming: a tutorial introduction. Ochoa, G. (ed.), GECCO 2012 Introductory tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 693-710, ACM.
- [97] Baeck, T. (2012) Evolution strategies: basic introduction. Ochoa, G. (ed.), GECCO 2012 Introductory tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 711-736, ACM.
- [98] De Jong, K. (2012) Evolutionary computation: a unified approach. Ochoa, G. (ed.), GECCO 2012 Introductory tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 737–750, ACM.
- [99] Pelikan, M. (2012) Probabilistic model-building genetic algorithms. Ochoa, G. (ed.), GECCO 2012 Introductory tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 777–804, ACM.
- [100] Stanley, K. O. (2012) Evolving neural networks. Ochoa, G. (ed.), *GECCO 2012 Introductory tutorials*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 805–826, ACM.
- [101] Auger, A. and Hansen, N. (2012) Tutorial cma-es: evolution strategies and covariance matrix adaptation. Ochoa, G. (ed.), GECCO 2012 Advanced tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 827–848, ACM.
- [102] Coello Coello, C. A. (2012) Constraint-handling techniques used with evolutionary algorithms. Ochoa, G. (ed.), GECCO 2012 Advanced tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 849–872, ACM.
- [103] Rothlauf, F. (2012) Representations for evolutionary algorithms. Ochoa, G. (ed.), GECCO 2012 Advanced tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 873–894, ACM.
- [104] Wineberg, M. (2012) Statistical analysis for evolutionary computation: an introduction. Ochoa, G. (ed.), GECCO 2012 Advanced tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 895–916, ACM.
- [105] Rowe, J. E. (2012) Genetic algorithm theory. Ochoa, G. (ed.), GECCO 2012 Advanced tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 917–940, ACM.
- [106] Whitley, D. and Sutton, A. (2012) Elementary landscapes: theory and applications. Ochoa, G. (ed.), GECCO 2012 Advanced tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 941–960, ACM.
- [107] Verel, S. (2012) Fitness landscapes and graphs: multimodularity, ruggedness and neutrality. Ochoa, G. (ed.), GECCO 2012 Advanced tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1013–1034, ACM.
- [108] Neumann, F. and Witt, C. (2012) Bioinspired computation in combinatorial optimization: algorithms and their computational complexity. Ochoa, G. (ed.), *GECCO 2012 Advanced tutorials*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1035–1058, ACM.

- [109] Jansen, T. and Zarges, C. (2012) Artificial immune systems for optimisation. Ochoa, G. (ed.), GECCO 2012 Specialized techniques and applications tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1059–1078, ACM.
- [110] Doerr, B. (2012) Black-box complexity: from complexity theory to playing mastermind. Ochoa, G. (ed.), GECCO 2012 Specialized techniques and applications tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1079–1092, ACM.
- [111] Miller, J. F. and Harding, S. (2012) Gecco 2012 tutorial: cartesian genetic programming. Ochoa, G. (ed.), *GECCO 2012 Specialized techniques and applications tutorials*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1093–1116, ACM.
- [112] Collet, P. and Harding, S. (2012) Evolutionary algorithms and genetic programming on graphic processing units (gpu). Ochoa, G. (ed.), *GECCO 2012 Specialized techniques and applications tutorials*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1117–1138, ACM.
- [113] Loiacono, D. and Preuß, M. (2012) Computational intelligence in games. Ochoa, G. (ed.), GECCO 2012 Specialized techniques and applications tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1139–1140, ACM.
- [114] Bush, W. S. (2012) Introduction to bioinformatics and computational biology. Ochoa, G. (ed.), GECCO 2012 Specialized techniques and applications tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1141–1170, ACM.
- [115] Bacardit, J. and Llorà, X. (2012) Large scale data mining using genetics-based machine learning. Ochoa, G. (ed.), GECCO 2012 Specialized techniques and applications tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1171–1196, ACM.
- [116] Ochoa, G. (2012) Hyper-heuristics and cross-domain optimization. Ochoa, G. (ed.), GECCO 2012 Specialized techniques and applications tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1197–1214, ACM.
- [117] Sudholt, D. (2012) Theory of swarm intelligence. Ochoa, G. (ed.), GECCO 2012 Specialized techniques and applications tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1215–1238, ACM.
- [118] Lehre, P. K. (2012) Drift analysis. Ochoa, G. (ed.), GECCO 2012 Specialized techniques and applications tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1239–1258, ACM.
- [119] Wagner, S. and Kronberger, G. (2012) Algorithm and experiment design with heuristic lab: an open source optimization environment for research and education. Ochoa, G. (ed.), *GECCO 2012 Specialized techniques and applications tutorials*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1287–1316, ACM.
- [120] Moraglio, A. (2012) Geometry of evolutionary algorithms. Ochoa, G. (ed.), *GECCO 2012 Specialized techniques and applications tutorials*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1317–1344, ACM.
- [121] Forrest, S. and LeGoues, C. (2012) Evolutionary software repair. Ochoa, G. (ed.), GECCO 2012 Specialized techniques and applications tutorials, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1345–1348, ACM.
- [122] Longo, G., Montévil, M., and Kauffman, S. (2012) No entailing laws, but enablement in the evolution of the biosphere. Moore, J. H. (ed.), GECCO 2012 Keynote talks, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1379–1392, ACM.
- [123] Schoonover, C. E. (2012) How to look inside the brain. Moore, J. H. (ed.), *GECCO 2012 Keynote talks*, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1393–1394, ACM.
- [124] Abdelbar, A. M. and Wunsch, D. C. (2012) Improving the performance of max-min ant system on the tsp using stubborn ants. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1395–1396, ACM.

- [125] Rajasekhar, A., Das, S., and Das, S. (2012) muabc: a micro artificial bee colony algorithm for large scale global optimization. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1399–1400, ACM.
- [126] Richard, W. K. and Majercik, S. M. (2012) Swarm-based path creation in dynamic environments for search and rescue. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1401–1402, ACM.
- [127] Setayesh, M., Zhang, M., and Johnston, M. (2012) A spatial random-meaningful neighbourhood topology in pso for edge detection in noisy images. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1403–1404, ACM.
- [128] Bongard, J., Beliveau, P., and Hornby, G. (2012) Avoiding local optima with interactive evolutionary robotics. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1405–1406, ACM.
- [129] Byers, C., Cheng, B., and McKinley, P. (2012) Exploring the evolution of internal control structure using digital enzymes. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1407–1408, ACM.
- [130] Knudson, M. and Tumer, K. (2012) Policy transfer in mobile robots using neuro-evolutionary navigation. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1411–1412, ACM.
- [131] Castellini, A., Manca, V., Zucchelli, M., and Busato, M. (2012) A genetic approach for synthesizing metabolic models from time series. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1415–1416, ACM.
- [132] Jimbo, H. C. and Craven, M. J. (2012) A dynamical model of cancer chemotherapy with disturbance. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1417–1418, ACM.
- [133] Komiya, K., Noman, N., and Iba, H. (2012) The search for robust topologies of oscillatory gene regulatory networks by evolutionary computation. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1419–1420, ACM.
- [134] Nobile, M. S., Besozzi, D., Cazzaniga, P., Mauri, G., and Pescini, D. (2012) Estimating reaction constants in stochastic biological systems with a multi-swarm pso running on gpus. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1421–1422, ACM.
- [135] Palafox, L. and Hitoshi, I. (2012) Gene regulatory network reverse engineering using population based incremental learning and k-means. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1423–1424, ACM.
- [136] Pascalie, J., Lobjois, V., Luga, H., Ducommun, B., and Duthen, Y. (2012) Checkpoint oriented cell-cycle simulation: critical role for age distribution initialization. Soule, T., et al. (eds.),

- GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1425–1426, ACM.
- [137] Hsueh, C.-H. and Yu, T.-L. (2012) Affective content based music video paring system using real coded ga. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1427–1428, ACM.
- [138] Helmi, B. H., Pelikan, M., and Rahmani, A. T. (2012) Linkage learning using the maximum spanning tree of the dependency graph. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1429–1430, ACM.
- [139] Regis, R. G. (2012) Surrogate-assisted evolutionary programming for high dimensional constrained black-box optimization. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1431–1432, ACM.
- [140] Carneiro, M. G. and Oliveira, G. M. B. (2012) Synchronous cellular automata scheduler with construction heuristic to static task scheduling in multiprocessors. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1433–1434, ACM.
- [141] Kattan, A. and Fatima, S. (2012) Evolving optimal agendas and strategies for negotiation in dynamic environments: a surrogate based approach. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1435–1436, ACM.
- [142] Mani, N., Srivastava, G., Sinha, A. K., and Mani, A. (2012) An evaluation of cellular population model for improving quantum-inspired evolutionary algorithm. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1437–1438, ACM.
- [143] García, E. R., Gutiérrez, R. M., Velázquez, P. L., Ponsich, A., Ángel Gutiérrez Andrade, M., and De Los Cobos Silva, S. (2012) A discrete artificial bee colony algorithm for the multi-objective redistricting problem. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1439–1440, ACM.
- [144] Rocki, K. and Suda, R. (2012) An efficient gpu implementation of a multi-start tsp solver for large problem instances. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1441–1442, ACM.
- [145] Nasir, M., Sengupta, S., Das, S., and Das, S. (2012) Configuration of sensors on a 3-d terrain: an approach based on evolutionary multi-objective optimization. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1443–1444, ACM.
- [146] Amiri, B., Hossain, L., and Crowford, J. (2012) A multiobjective hybrid evolutionary algorithm for clustering in social networks. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1445–1446, ACM.

- [147] Matoso, L., Junior, F., Pereira, A., Veloso, A., and Wagner Meira, J. (2012) New evolutionary approaches to high-dimensional data. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1447–1448, ACM.
- [148] Sepúlveda, M. J., Chau, W., Strum, M., Pedraza, C., Gogniat, G., and Pires, R. (2012) Multi-objective artificial immune algorithm for security-constrained multi-application noc mapping. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1449–1450, ACM.
- [149] Zaefferer, M., Bartz-Beielstein, T., Friese, M., Naujoks, B., and Flasch, O. (2012) Multicriteria optimization for hard problems under limited budgets. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1451–1452, ACM.
- [150] Gomez, F., Koutník, J., and Schmidhuber, J. (2012) Complexity search for compressed neural networks. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1455–1456, ACM.
- [151] Rieffel, J. and Smith, S. (2012) Growing and evolving soft robots with a face-encoding tetrahedral grammar. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1457–1458, ACM.
- [152] Bazargani, M., Anjos, A., Lobo, F., Mollahosseini, A., and Shahbazkia, H. (2012) Affine image registration transformation estimation using a real coded genetic algorithm with sbx. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1459–1460, ACM.
- [153] Burjorjee, K. (2012) Explaining adaptation in genetic algorithms with uniform crossover: the hyperclimbing hypothesis. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1461–1462, ACM.
- [154] Julstrom, B. A. (2012) Clans and cooperation in the iterated prisoner's dilemma. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1463–1464, ACM.
- [155] Oliwa, T. and Rasheed, K. (2012) A surrogate-assisted and informed linkage aware ga. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1467–1468, ACM.
- [156] Ranjeet, T., Hingston, P., Lam, C. P., and Masek, M. (2012) Evaluating coevolution on a multimodal problem. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1469–1470, ACM.
- [157] Ryerkerk, M., Averill, R., Deb, K., and Goodman, E. (2012) Meaningful representation and recombination of variable length genomes. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1471–1472, ACM.
- [158] Santana, R., Mendiburu, A., and Lozano, J. (2012) Evolving nk-complexity for evolutionary solvers. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1473–1474, ACM.

- [159] Tsai, C.-W., Lin, T.-Y., Chiang, M.-C., Yang, C.-S., and Hong, T.-P. (2012) Continuous space pattern reduction for genetic clustering algorithm. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1475–1476, ACM.
- [160] Behzadan, B. and Smith, R. E. (2012) An information-based approach towards neuro-evolution. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1491–1492, ACM.
- [161] Fredivianus, N., Kara, K., and Schmeck, H. (2012) Stay real!: Xcs with rule combining for real values. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1493–1494, ACM.
- [162] Gullo, F., Talukder, A. K., Luke, S., Domeniconi, C., and Tagarelli, A. (2012) Multiobjective optimization of co-clustering ensembles. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1495–1496, ACM.
- [163] Bartoli, A., Davanzo, G., De Lorenzo, A., Mauri, M., Medvet, E., and Sorio, E. (2012) Automatic generation of regular expressions from examples with genetic programming. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1477–1478, ACM.
- [164] Nourashrafeddin, S., Arnold, D., and Milios, E. (2012) An evolutionary subspace clustering algorithm for high-dimensional data. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1497–1498, ACM.
- [165] Correia, J., Machado, P., and Romero, J. (2012) Improving haar cascade classifiers through the synthesis of new training examples. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1479–1480, ACM.
- [166] Fagan, D., Hemberg, E., Nicolau, M., O'Neill, M., and McGarraghy, S. (2012) Towards adaptive mutation in grammatical evolution. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1481–1482, ACM.
- [167] Schneider, N. (2012) Generic prognosis with evolutionary approaches. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1501–1502, ACM.
- [168] Fu, W., Johnston, M., and Zhang, M. (2012) Genetic programming for edge detection based on figure of merit. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1483–1484, ACM.
- [169] Sun, Q., Pfahringer, B., and Mayo, M. (2012) Full model selection in the space of data mining operators. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1503-1504, ACM.
- [170] Helmuth, T. and Spector, L. (2012) Empirical investigation of size-based tournaments for node selection in genetic programming. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1485–1486, ACM.

- [171] Krawiec, K. and Pawlak, T. (2012) Locally geometric semantic crossover. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1487–1488, ACM.
- [172] Trujillo, L., Martinez, Y., Lopez, E. G., and Legrand, P. (2012) A comparative study of an evolvability indicator and a predictor of expected performance for genetic programming. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1489–1490, ACM.
- [173] Coletti, M. (2012) The effects of training set size and keeping rules on the emergent selection pressure of learnable evolution model. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1505–1506, ACM.
- [174] Jebari, K., Bouroumi, A., and Ettouhami, A. (2012) Genetic fuzzy rules for dops. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1507–1508, ACM.
- [175] long Li, Y., Zhang, J., and neng Chen, W. (2012) Differential evolution algorithm with pcabased crossover. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1509–1510, ACM.
- [176] Maturana, J., Vergara, F., Rojas, C., Saubion, F., Vargas, F., and Vidal, D. (2012) Improving clonal colony optimization to evolve robust solutions. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1511–1512, ACM.
- [177] hui Zhan, Z. and Zhang, J. (2012) Enhance differential evolution with random walk. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1513–1514, ACM.
- [178] Merelo-Guervós, J.-J., Mora, A. M., Esparcia, A. I., and Fernandes, C. M. (2012) Validating design choices in a pool-based distributed evolutionary algorithms architecture. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1517–1518, ACM.
- [179] Noroozi, V., Hashemi, A. B., and Meybodi, M. R. (2012) Alpinist cellularde: a cellular based optimization algorithm for dynamic environments. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1519–1520, ACM.
- [180] Alford, A., Adams, J., Shelton, J., Bryant, K., Kelly, J., and Dozier, G. (2012) Analyzing the cross-generalization ability of a hybrid genetic & evolutionary application for multibiometric feature weighting and selection. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1521–1522, ACM.
- [181] Bazzan, A. L. (2012) Co-evolution of the dynamics in population games: the case of traffic flow assignment. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1523–1524, ACM.

- [182] Kim, J. and Moon, B.-R. (2012) New malware detection system using metric-based method and hybrid genetic algorithm. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1527–1528, ACM.
- [183] Ono, S. and Nakayama, S. (2012) User-system cooperative evolution for japanese anagram sentence generation. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1529–1530, ACM.
- [184] Pinto, J. and Horta, N. (2012) Automated passive filter design using multi-objective genetic algorithms with variable parameters. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1531–1532, ACM.
- [185] Sher, G. I. (2012) Forex trading using geometry sensitive neural networks. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1533–1534, ACM.
- [186] Soltero, F. J., Bodas-Sagi, D. J., Fernández-Blanco, P., Hidalgo, J. I., and de Vega, F. F. (2012) Optimization of technical indicators in real time with multiobjective evolutionary algorithms. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1535–1536, ACM.
- [187] Suciu, M., Cremene, M., Pop, F., and Dumitrescu, D. (2012) Equitable solutions in qosaware service optimization. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1537–1538, ACM.
- [188] Yefimochkin, O., Neves, R., and Horta, N. (2012) An evolutionary approach to define investment strategies based on macroeconomic indicators and vix data. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1539–1540, ACM.
- [189] de Oliveira Barros, M., Costa, H. R., Figueiredo, F. V., and Cavalcanti da Rocha, A. R. (2012) Multiobjective optimization for project portfolio selection. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1541–1542, ACM.
- [190] Chen, N., Zhang, J., and Liu, O. (2012) Adaptive genetic algorithm based on density distribution of population. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1543-1544, ACM.
- [191] López-Camacho, E., Terashima-Marín, H., and Conant-Pablos, S. E. (2012) The impact of the bin packing problem structure in hyper-heuristic performance. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1545–1546, ACM.
- [192] Manukyan, N., Eppstein, M. J., Horbar, J. D., Leahy, K. A., Kenny, M. J., Mukherjee, S., and Rizzo, D. M. (2012) Evolutionary mining for multivariate associations in large time-varying data sets: a healthcare network application. Soule, T., et al. (eds.), GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion, Philadelphia, Pennsylvania, USA, 7-11 July, pp. 1547–1548, ACM.
- [193] Rand, B., et al. (eds.) (2012) GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion.