

Список литературы

- [1] Hutterer S, Affenzeller M, Auinger F. Evolutionary optimization of multi-agent control strategies for electric vehicle charging. In: Tantar AA, Tantar E, Bosman PAN, editors. GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 3-10.
- [2] Toutouh J, Alba E. Green OLSR in VANETs with differential evolution. In: Tantar AA, Tantar E, Bosman PAN, editors. GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 11-8.
- [3] Phan DH, Suzuki J, Carroll R, Balasubramaniam S, Donnelly W, Botvich D. Evolutionary multiobjective optimization for green clouds. In: Tantar AA, Tantar E, Bosman PAN, editors. GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 19-26.
- [4] Cavalcante ES, Aquino ALL, Pappa GL, Loureiro AAF. Roadside unit deployment for information dissemination in a VANET: an evolutionary approach. In: Tantar AA, Tantar E, Bosman PAN, editors. GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 27-34.
- [5] Kromer P, Prokop L, Snasel V, Misak S, Platos J, Abraham A. Evolutionary prediction of photovoltaic power plant energy production. In: Tantar AA, Tantar E, Bosman PAN, editors. GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 35-42.
- [6] Padhye N. Evolutionary approaches for real world applications in 21st century. In: Padhye N, Baughman A, Van Der Stock S, Perlitz M, Gustafson SM, Jesneck J, editors. GECCO 2012 Real world applications of evolutionary computation. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 43-8.
- [7] Lourenço N, Pereira F, Costa E. Evolving evolutionary algorithms. In: Pappa GL, Woodward J, Hyde MR, Swan J, editors. GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 51-8.
- [8] Goldman BW, Tauritz DR. Supportive coevolution. In: Pappa GL, Woodward J, Hyde MR, Swan J, editors. GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 59-66.
- [9] Woodward JR, Swan J. The automatic generation of mutation operators for genetic algorithms. In: Pappa GL, Woodward J, Hyde MR, Swan J, editors. GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 67-74.
- [10] Harrington KI, Spector L, Pollack JB, O'Reilly UM. Autoconstructive evolution for structural problems. In: Pappa GL, Woodward J, Hyde MR, Swan J, editors. GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 75-82.
- [11] De Rainville FM, Fortin FA, Gardner MA, Parizeau M, Gagné C. DEAP: a python framework for evolutionary algorithms. In: Wagner S, Affenzeller M, editors. GECCO 2012 Evolutionary Computation Software Systems (EvoSoft). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 85-92.
- [12] Otero F, Castle T, Johnson C. EpochX: genetic programming in java with statistics and event monitoring. In: Wagner S, Affenzeller M, editors. GECCO 2012 Evolutionary Computation Software Systems (EvoSoft). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 93-100.

- [13] Kommenda M, Kronberger G, Wagner S, Winkler S, Affenzeller M. On the architecture and implementation of tree-based genetic programming in HeuristicLab. In: Wagner S, Affenzeller M, editors. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 101-8.
- [14] Merelo JJ, Fernandes CM, Mora AM, Esparcia AI. SofEA: a pool-based framework for evolutionary algorithms using CouchDB. In: Wagner S, Affenzeller M, editors. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 109-16.
- [15] Nashed YSG, Ugolotti R, Mesejo P, Cagnoni S. libCudaOptimize: an open source library of GPU-based metaheuristics. In: Wagner S, Affenzeller M, editors. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 117-24.
- [16] Beham A, Pitzer E, Wagner S, Affenzeller M, Altendorfer K, Felberbauer T, et al. Integration of flexible interfaces in optimization software frameworks for simulation-based optimization. In: Wagner S, Affenzeller M, editors. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 125-32.
- [17] Connelly BD, Zaman L, McKinley PK. The SEEDS platform for evolutionary and ecological simulations. In: Wagner S, Affenzeller M, editors. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 133-40.
- [18] Scheibenpflug A, Wagner S, Pitzer E, Affenzeller M. Optimization knowledge base: an open database for algorithm and problem characteristics and optimization results. In: Wagner S, Affenzeller M, editors. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 141-8.
- [19] Dobslaw F. INPUT: the intelligent parameter utilization tool. In: Wagner S, Affenzeller M, editors. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 149-56.
- [20] Liao T, Molina D, Stutzle T, Montes de Oca MA, Dorigo M. An ACO algorithm benchmarked on the BBOB noiseless function testbed. In: Auger A, Chotard A, Hansen N, Heidrich-Meisner V, Mersmann O, Posik P, et al., editors. *Black box optimization benchmarking 2012 (BBOB 2012)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 159-66.
- [21] Chuang YC, Chen CT. Black-box optimization benchmarking for noiseless function testbed using a direction-based RCGA. In: Auger A, Chotard A, Hansen N, Heidrich-Meisner V, Mersmann O, Posik P, et al., editors. *Black box optimization benchmarking 2012 (BBOB 2012)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 167-74.
- [22] Loshchilov I, Schoenauer M, Sebag M. Black-box optimization benchmarking of IPOP-saACM-ES and BIPOP-saACM-ES on the BBOB-2012 noiseless testbed. In: Auger A, Chotard A, Hansen N, Heidrich-Meisner V, Mersmann O, Posik P, et al., editors. *Black box optimization benchmarking 2012 (BBOB 2012)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 175-82.
- [23] de Melo VV. Benchmarking the multi-view differential evolution on the noiseless BBOB-2012 function testbed. In: Auger A, Chotard A, Hansen N, Heidrich-Meisner V, Mersmann O, Posik P, et al., editors. *Black box optimization benchmarking 2012 (BBOB 2012)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 183-8.
- [24] Poařk P, Klema V. Benchmarking the differential evolution with adaptive encoding on noiseless functions. In: Auger A, Chotard A, Hansen N, Heidrich-Meisner V, Mersmann O, Posik P, et al., editors. *Black box optimization benchmarking 2012 (BBOB 2012)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 189-96.
- [25] Schaul T. Benchmarking separable natural evolution strategies on the noiseless and noisy black-box optimization testbeds. In: Auger A, Chotard A, Hansen N, Heidrich-Meisner V, Mersmann O, Posik P, et al., editors. *Black box optimization benchmarking 2012 (BBOB 2012)*. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 205-12.

- [26] Voglis C, Piperagkas GS, Parsopoulos KE, Papageorgiou DG, Lagaris IE. MEMPSODE: an empirical assessment of local search algorithm impact on a memetic algorithm using noiseless testbed. In: Auger A, Chotard A, Hansen N, Heidrich-Meisner V, Mersmann O, Posik P, et al., editors. Black box optimization benchmarking 2012 (BBOB 2012). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 245-52.
- [27] Brockhoff D, Auger A, Hansen N. On the effect of mirroring in the IPOP active CMA-ES on the noiseless BBOB testbed. In: Auger A, Chotard A, Hansen N, Heidrich-Meisner V, Mersmann O, Posik P, et al., editors. Black box optimization benchmarking 2012 (BBOB 2012). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 277-84.
- [28] Zhang XF, Koshimura M, Fujita H, Hasegawa R. Hybrid particle swarm optimization and convergence analysis for scheduling problems. In: Stonedahl F, Riolo R, editors. GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECOMASS). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 307-14.
- [29] Shafiee E, Zechman E. Integrating evolutionary computation and sociotechnical simulation for flushing contaminated water distribution systems. In: Stonedahl F, Riolo R, editors. GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECOMASS). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 315-22.
- [30] Woodard CJ, Clemons EK. Modeling technology evolution using generalized genotype-phenotype maps. In: Stonedahl F, Riolo R, editors. GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECOMASS). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 323-30.
- [31] van Lon RRS, Holvoet T, Vanden Berghe G, Wenseleers T, Branke J. Evolutionary synthesis of multi-agent systems for dynamic dial-a-ride problems. In: Stonedahl F, Riolo R, editors. GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECOMASS). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 331-6.
- [32] van Berkel S, Turi D, Pruteanu A, Dulman S. Automatic discovery of algorithms for multi-agent systems. In: Stonedahl F, Riolo R, editors. GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECOMASS). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 337-44.
- [33] Ozisik AP, Harrington KI. The effects of tags on the evolution of honest signaling. In: Stonedahl F, Riolo R, editors. GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECOMASS). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 345-52.
- [34] Doncieux S, Jin Y, Mouret JB. Evo-devo-robo workshop program. In: Doncieux S, Jin Y, Mouret JB, editors. GECCO 2012 Evolutionary developmental robotics. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 355-6.
- [35] Joachimczak M, Kowaliw T, Doursat R, Wróbel B. Evolving morphologies and controllers for soft-bodied multicellular animats using gene regulatory networks and artificial embryogenesis. In: Doncieux S, Jin Y, Mouret JB, editors. GECCO 2012 Evolutionary developmental robotics. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 357-60.
- [36] Palmer ME, Chou AK. An artificial visual cortex drives behavioral evolution in co-evolved predator and prey robots. In: Doncieux S, Jin Y, Mouret JB, editors. GECCO 2012 Evolutionary developmental robotics. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 361-4.
- [37] Rudinac M, Lenseigne B, Jonker PP. Empirical mode decomposition for saliency detection. In: Doncieux S, Jin Y, Mouret JB, editors. GECCO 2012 Evolutionary developmental robotics. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 365-8.
- [38] Ollion C, Pinville T, Doncieux S. Emergence of memory in neuroevolution: impact of selection pressures. In: Doncieux S, Jin Y, Mouret JB, editors. GECCO 2012 Evolutionary developmental robotics. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 369-72.

- [39] Lee P, Teng Y, Hsiao TC. XCSF for prediction on emotion induced by image based on dimensional theory of emotion. In: Loiacono D, Orriols-Puig A, Urbanowicz R, editors. Fifteenth international workshop on learning classifier systems (ICWLS). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 375-82.
- [40] Tinós R. Analysing fitness landscape changes in evolutionary robots. In: McClymont K, Keedwell E, editors. 1st workshop on Understanding Problems (GECCO-UP). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 385-92.
- [41] Pitzer E, Beham A, Affenzeller M. Generic hardness estimation using fitness and parameter landscapes applied to robust taboo search and the quadratic assignment problem. In: McClymont K, Keedwell E, editors. 1st workshop on Understanding Problems (GECCO-UP). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 393-400.
- [42] Spector L. Assessment of problem modality by differential performance of lexibase selection in genetic programming: a preliminary report. In: McClymont K, Keedwell E, editors. 1st workshop on Understanding Problems (GECCO-UP). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 401-8.
- [43] Garrett D. A call for collaborative landscape analysis. In: McClymont K, Keedwell E, editors. 1st workshop on Understanding Problems (GECCO-UP). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 409-16.
- [44] Tosch E, Spector L. Achieving COSMOS: a metric for determining when to give up and when to reach for the stars. In: McClymont K, Keedwell E, editors. 1st workshop on Understanding Problems (GECCO-UP). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 417-24.
- [45] McClymont K, Walker D, Dupenois M. The lay of the land: a brief survey of problem understanding. In: McClymont K, Keedwell E, editors. 1st workshop on Understanding Problems (GECCO-UP). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 425-32.
- [46] Fernandes CM, Mora A, Merelo JJ, Fernández F, Rosa A. Generating colored 2-dimensional representations of sleep EEG with the KANTS clustering algorithm. In: Everson R, Fieldsend J, Walker D, editors. GECCO 2012 Visualisation methods for genetic and evolutionary computation (VizGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 435-42.
- [47] Walker D, Fieldsend J, Everson R. Visualising many-objective populations. In: Everson R, Fieldsend J, Walker D, editors. GECCO 2012 Visualisation methods for genetic and evolutionary computation (VizGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 451-8.
- [48] Kaliakatsos-Papakostas MA, Floros A, Kanellopoulos N, Vrahatis MN. Genetic evolution of L and FL-systems for the production of rhythmic sequences. In: Fernandez de Vega F, Cotta C, editors. GECCO 2012 Evolutionary music. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 461-8.
- [49] Rafael B, Affenzeller M, Wagner S. An adaption of the schema theorem to various crossover and mutation operators for a music segmentation problem. In: Fernandez de Vega F, Cotta C, editors. GECCO 2012 Evolutionary music. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 469-76.
- [50] Reis G, Fernández F, Ferreira A. Evolutionary algorithms and automatic transcription of music. In: Fernandez de Vega F, Cotta C, editors. GECCO 2012 Evolutionary music. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 477-84.
- [51] Aleb N, Kechid S. A new framework for scalable genetic programming. In: Gustafson S, Vladislavleva E, editors. GECCO 2012 Symbolic regression and modeling workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 487-92.
- [52] Hemberg E, Veeramachaneni K, O'Reilly UM. Graphical models and what they reveal about GP when it solves a symbolic regression problem. In: Gustafson S, Vladislavleva E, editors. GECCO 2012 Symbolic regression and modeling workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 493-4.

- [53] Bartz-Beielstein T, Flasch O, Zaefferer M. Sequential parameter optimization for symbolic regression. In: Gustafson S, Vladislavleva E, editors. GECCO 2012 Symbolic regression and modeling workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 495-6.
- [54] Kotanchek M. Robust function discovery and feature selection for life sciences and engineering. In: Gustafson S, Vladislavleva E, editors. GECCO 2012 Symbolic regression and modeling workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 497-8.
- [55] Darvish A, Rahnamayan S, Mohamad ZS. Interactive differential evolution for prostate ultrasound image thresholding. In: Smith SL, Cagnoni S, Patton RM, editors. GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 501-8.
- [56] Cagnoni S, Cordón O, Mesejo P, Nashed YSG, Ugolotti R. First results and future developments of the MIBISOC Project in the IBISlab of the university of parma. In: Smith SL, Cagnoni S, Patton RM, editors. GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 509-16.
- [57] Dumas L, Boutouyrie P, Bozec E. An optimal reconstruction of the human arterial tree from doppler echotracking measurements. In: Smith SL, Cagnoni S, Patton RM, editors. GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 517-22.
- [58] Rogalsky T. Bezier control parameterization for evolutionary optimization in disease models. In: Smith SL, Cagnoni S, Patton RM, editors. GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 523-30.
- [59] Bevilacqua V, Filograno G, Fiorentino M, Uva AE. Early diagnosis of lung tumors by genetically optimized 3D-metaball malignancy metric. In: Smith SL, Cagnoni S, Patton RM, editors. GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 531-8.
- [60] Tan M, Deklerck R, Jansen B, Cornelis J. Analysis of a feature-deselective neuroevolution classifier (FD-NEAT) in a computer-aided lung nodule detection system for CT images. In: Smith SL, Cagnoni S, Patton RM, editors. GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC). Philadelphia, Pennsylvania, USA: ACM; 2012. p. 539-46.
- [61] Bernstein O. Flea market simulator: a market simulator for experiments on the computational evolution of trading strategies for economic agents. In: Goings S, editor. Tenth GECCO Undergraduate Student Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 549-54.
- [62] Gagne DJ. GAMIV: a genetic algorithm for identifying variable-length motifs in noncoding DNA. In: Goings S, editor. Tenth GECCO Undergraduate Student Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 555-8.
- [63] English A, Petruso H, Wang C. Grammatical evolution decision trees for trio designs. In: Goings S, editor. Tenth GECCO Undergraduate Student Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 559-62.
- [64] Thompson J. Trade-offs using GAMID for the inference of DNA motifs that are represented in only a subset of sequences of interest. In: Goings S, editor. Tenth GECCO Undergraduate Student Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 563-8.
- [65] Yeboah-Antwi K. Evolving software applications using genetic programming – PushCalc: the evolved calculator. In: Goings S, editor. Tenth GECCO Undergraduate Student Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 569-72.
- [66] Gao Y, Lv D. Principal coordinate strategy: a novel adaptive control strategy for differential evolution. In: Goings S, editor. Tenth GECCO Undergraduate Student Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 573-8.

- [67] Kuehn T.J. Evolutionary fabrication: a system of autonomous invention. In: Goings S, editor. Tenth GECCO Undergraduate Student Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 579-84.
- [68] Mlakar M, Tuaar T, Filipić B. Discrete vs. continuous multiobjective optimization of continuous casting of steel. In: Motsinger-Reif A, editor. GECCO 2012 Graduate Students Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 587-90.
- [69] Buzdalov M, Sokolov A. Evolving EFSMs solving a path-planning problem by genetic programming. In: Motsinger-Reif A, editor. GECCO 2012 Graduate Students Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 591-4.
- [70] Marvel S, Motsinger-Reif A. Grammatical evolution support vector machines for predicting human genetic disease association. In: Motsinger-Reif A, editor. GECCO 2012 Graduate Students Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 595-8.
- [71] Han S. Batting order optimization by genetic algorithm. In: Motsinger-Reif A, editor. GECCO 2012 Graduate Students Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 599-602.
- [72] Chivilikhin D, Ulyantsev V, Tsarev F. Test-based extended finite-state machines induction with evolutionary algorithms and ant colony optimization. In: Motsinger-Reif A, editor. GECCO 2012 Graduate Students Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 603-6.
- [73] Hoover K, Marceau R, Harris T, Reif D, Motsinger-Reif A. A comparison of GE optimized neural networks and decision trees. In: Motsinger-Reif A, editor. GECCO 2012 Graduate Students Workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 611-4.
- [74] Yoon DM, Kim KJ. Comparison of scoring methods for interactive evolutionary computation based image retouching system. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 617-8.
- [75] Comis Da Ronco C, Benini E. GeDEA-II: a simplex-crossover based multi objective evolutionary algorithm including the genetic diversity asobjective. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 619-20.
- [76] Semenov MA, Stratonowitch P. Application of evolutionary algorithms for model calibration. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 621-2.
- [77] Ellabaan MMH, Ong YS. Experiences on memetic computation for locating transition states in biochemical applications. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 623-4.
- [78] Mukherjee S, Eppstein MJ. Differential evolution of constants in genetic programming improves efficacy and bloat. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 625-6.
- [79] Beliveau P, Hornby G, Bongard J. Interactive simulated robot construction and controller evolution. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 627-8.
- [80] Tsutsui S, Fujimoto N. On the effect of using multiple GPUs in solving QAPs with CUDA. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 629-30.
- [81] Benbassat A, Sipper M. Evolving players that use selective game-tree search with genetic programming. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 631-2.
- [82] Pilat M, Neruda R. A surrogate multiobjective evolutionary strategy with local search and pre-selection. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 633-4.

- [83] Zaglauer S. The evolutionary algorithm SAMOA with use of dynamic constraints. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 635-6.
- [84] Porta M, Julstrom BA. Evolving instances of unconstrained binary quadratic programming that challenge a tabu search heuristic. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 639-40.
- [85] soo Park H, Kim KJ. Automatic python programming using stack-based genetic programming. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 641-2.
- [86] Fonlupt C, Robilliard D. Combining programs to counter code disruption. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 643-4.
- [87] Srivastava RK, Schmidhuber J, Gomez F. Generalized compressed network search. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 647-8.
- [88] Ho TY, Yu TL. A linkage-learning niching in estimation of distribution algorithm. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 649-50.
- [89] Banerjee A. Density-based evolutionary outlier detection. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 651-2.
- [90] Quiroz JC, Banerjee A, Louis SJ. 3-D modeling using collaborative evolution. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 653-4.
- [91] Iclanzan D, Gaskó N, Dumitrescu D. Evolving mixed nash equilibria for bimatrix games. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 655-6.
- [92] Raway T, Schaffer DJ, Kurtz KJ, Sayama H. Evolving data sets to highlight the performance differences between machine learning classifiers. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 657-8.
- [93] Celis SE, Bongard J. Not all physics simulators can be wrong in the same way. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 659-60.
- [94] Ismail SB, Legras F, Coppin G. A new interactive evolutionary algorithm for the vehicle routing problem. In: Rodriguez K, Blum C, editors. GECCO 2012 Late breaking abstracts workshop. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 661-8.
- [95] Goodman ED. Introduction to genetic algorithms. In: Ochoa G, editor. GECCO 2012 Introductory tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 671-92.
- [96] O'Reilly UM. Genetic programming: a tutorial introduction. In: Ochoa G, editor. GECCO 2012 Introductory tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 693-710.
- [97] Baeck T. Evolution strategies: basic introduction. In: Ochoa G, editor. GECCO 2012 Introductory tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 711-36.
- [98] De Jong K. Evolutionary computation: a unified approach. In: Ochoa G, editor. GECCO 2012 Introductory tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 737-50.
- [99] Pelikan M. Probabilistic model-building genetic algorithms. In: Ochoa G, editor. GECCO 2012 Introductory tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 777-804.

- [100] Stanley KO. Evolving neural networks. In: Ochoa G, editor. GECCO 2012 Introductory tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 805-26.
- [101] Auger A, Hansen N. Tutorial CMA-ES: evolution strategies and covariance matrix adaptation. In: Ochoa G, editor. GECCO 2012 Advanced tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 827-48.
- [102] Coello Coello CA. Constraint-handling techniques used with evolutionary algorithms. In: Ochoa G, editor. GECCO 2012 Advanced tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 849-72.
- [103] Rothlauf F. Representations for evolutionary algorithms. In: Ochoa G, editor. GECCO 2012 Advanced tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 873-94.
- [104] Wineberg M. Statistical analysis for evolutionary computation: an introduction. In: Ochoa G, editor. GECCO 2012 Advanced tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 895-916.
- [105] Rowe JE. Genetic algorithm theory. In: Ochoa G, editor. GECCO 2012 Advanced tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 917-40.
- [106] Whitley D, Sutton A. Elementary landscapes: theory and applications. In: Ochoa G, editor. GECCO 2012 Advanced tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 941-60.
- [107] Verel S. Fitness landscapes and graphs: multimodularity, ruggedness and neutrality. In: Ochoa G, editor. GECCO 2012 Advanced tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1013-34.
- [108] Neumann F, Witt C. Bioinspired computation in combinatorial optimization: algorithms and their computational complexity. In: Ochoa G, editor. GECCO 2012 Advanced tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1035-58.
- [109] Jansen T, Zarges C. Artificial immune systems for optimisation. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1059-78.
- [110] Doerr B. Black-box complexity: from complexity theory to playing mastermind. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1079-92.
- [111] Miller JF, Harding S. GECCO 2012 tutorial: cartesian genetic programming. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1093-116.
- [112] Collet P, Harding S. Evolutionary algorithms and genetic programming on graphic processing units (GPU). In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1117-38.
- [113] Loiacono D, PreußM. Computational intelligence in games. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1139-40.
- [114] Bush WS. Introduction to bioinformatics and computational biology. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1141-70.
- [115] Bacardit J, Llorà X. Large scale data mining using genetics-based machine learning. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1171-96.
- [116] Ochoa G. Hyper-heuristics and cross-domain optimization. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1197-214.

- [117] Sudholt D. Theory of swarm intelligence. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1215-38.
- [118] Lehre PK. Drift analysis. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1239-58.
- [119] Wagner S, Kronberger G. Algorithm and experiment design with heuristic lab: an open source optimization environment for research and education. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1287-316.
- [120] Moraglio A. Geometry of evolutionary algorithms. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1317-44.
- [121] Forrest S, LeGoues C. Evolutionary software repair. In: Ochoa G, editor. GECCO 2012 Specialized techniques and applications tutorials. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1345-8.
- [122] Longo G, Montévil M, Kauffman S. No entailing laws, but enablement in the evolution of the biosphere. In: Moore JH, editor. GECCO 2012 Keynote talks. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1379-92.
- [123] Schoonover CE. How to look inside the brain. In: Moore JH, editor. GECCO 2012 Keynote talks. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1393-4.
- [124] Abdelbar AM, Wunsch DC. Improving the performance of MAX-MIN ant system on the TSP using stubborn ants. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1395-6.
- [125] Rajasekhar A, Das S, Das S. muABC: a micro artificial bee colony algorithm for large scale global optimization. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1399-400.
- [126] Richard WK, Majercik SM. Swarm-based path creation in dynamic environments for search and rescue. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1401-2.
- [127] Setayesh M, Zhang M, Johnston M. A spatial random-meaningful neighbourhood topology in pso for edge detection in noisy images. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1403-4.
- [128] Bongard J, Beliveau P, Hornby G. Avoiding local optima with interactive evolutionary robotics. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1405-6.
- [129] Byers C, Cheng B, McKinley P. Exploring the evolution of internal control structure using digital enzymes. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1407-8.

- [130] Knudson M, Tumer K. Policy transfer in mobile robots using neuro-evolutionary navigation. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1411-2.
- [131] Castellini A, Manca V, Zucchelli M, Busato M. A genetic approach for synthesizing metabolic models from time series. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1415-6.
- [132] Jimbo HC, Craven MJ. A dynamical model of cancer chemotherapy with disturbance. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1417-8.
- [133] Komiya K, Noman N, Iba H. The search for robust topologies of oscillatory gene regulatory networks by evolutionary computation. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1419-20.
- [134] Nobile MS, Besozzi D, Cazzaniga P, Mauri G, Pescini D. Estimating reaction constants in stochastic biological systems with a multi-swarm PSO running on GPUs. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1421-2.
- [135] Palafox L, Hitoshi I. Gene regulatory network reverse engineering using population based incremental learning and K-means. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1423-4.
- [136] Pascalie J, Lobjois V, Luga H, Ducommun B, Duthen Y. Checkpoint oriented cell-cycle simulation: critical role for age distribution initialization. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1425-6.
- [137] Hsueh CH, Yu TL. Affective content based music video paring system using real coded GA. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1427-8.
- [138] Helmi BH, Pelikan M, Rahmani AT. Linkage learning using the maximum spanning tree of the dependency graph. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1429-30.
- [139] Regis RG. Surrogate-assisted evolutionary programming for high dimensional constrained black-box optimization. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1431-2.
- [140] Carneiro MG, Oliveira GMB. Synchronous cellular automata scheduler with construction heuristic to static task scheduling in multiprocessors. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth

- international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1433-4.
- [141] Kattan A, Fatima S. Evolving optimal agendas and strategies for negotiation in dynamic environments: a surrogate based approach. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1435-6.
 - [142] Mani N, Srivastava G, Sinha AK, Mani A. An evaluation of cellular population model for improving quantum-inspired evolutionary algorithm. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1437-8.
 - [143] García ER, Gutiérrez RM, Velázquez PL, Ponsich A, Ángel Gutiérrez Andrade M, De Los Cobos Silva S. A discrete artificial bee colony algorithm for the multi-objective redistricting problem. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1439-40.
 - [144] Rocki K, Suda R. An efficient GPU implementation of a multi-start TSP solver for large problem instances. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1441-2.
 - [145] Nasir M, Sengupta S, Das S, Das S. Configuration of sensors on a 3-D terrain: an approach based on evolutionary multi-objective optimization. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1443-4.
 - [146] Amiri B, Hossain L, Crowford J. A multiobjective hybrid evolutionary algorithm for clustering in social networks. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1445-6.
 - [147] Matoso L, Junior F, Pereira A, Veloso A, Wagner Meira J. New evolutionary approaches to high-dimensional data. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1447-8.
 - [148] Sepúlveda MJ, Chau W, Strum M, Pedraza C, Gogniat G, Pires R. Multi-objective artificial immune algorithm for security-constrained multi-application NoC mapping. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1449-50.
 - [149] Zaefferer M, Bartz-Beielstein T, Friese M, Naujoks B, Flasch O. Multi-criteria optimization for hard problems under limited budgets. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1451-2.
 - [150] Gomez F, Koutník J, Schmidhuber J. Complexity search for compressed neural networks. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1455-6.

- [151] Rieffel J, Smith S. Growing and evolving soft robots with a face-encoding tetrahedral grammar. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1457-8.
- [152] Bazargani M, Anjos A, Lobo F, Mollahosseini A, Shahbazkia H. Affine image registration transformation estimation using a real coded genetic algorithm with SBX. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1459-60.
- [153] Burjorjee K. Explaining adaptation in genetic algorithms with uniform crossover: the hyperclimbing hypothesis. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1461-2.
- [154] Julstrom BA. Clans and cooperation in the iterated prisoner's dilemma. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1463-4.
- [155] Oliwa T, Rasheed K. A surrogate-assisted and informed linkage aware GA. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1467-8.
- [156] Ranjeet T, Hingston P, Lam CP, Masek M. Evaluating coevolution on a multimodal problem. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1469-70.
- [157] Ryerkerk M, Averill R, Deb K, Goodman E. Meaningful representation and recombination of variable length genomes. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1471-2.
- [158] Santana R, Mendiburu A, Lozano J. Evolving NK-complexity for evolutionary solvers. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1473-4.
- [159] Tsai CW, Lin TY, Chiang MC, Yang CS, Hong TP. Continuous space pattern reduction for genetic clustering algorithm. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1475-6.
- [160] Behzadan B, Smith RE. An information-based approach towards neuro-evolution. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1491-2.
- [161] Fredivianus N, Kara K, Schmeck H. Stay real!: XCS with rule combining for real values. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1493-4.

- [162] Gullo F, Talukder AK, Luke S, Domeniconi C, Tagarelli A. Multiobjective optimization of co-clustering ensembles. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1495-6.
- [163] Bartoli A, Davanzo G, De Lorenzo A, Mauri M, Medvet E, Sorio E. Automatic generation of regular expressions from examples with genetic programming. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1477-8.
- [164] Nourashrafeddin S, Arnold D, Milios E. An evolutionary subspace clustering algorithm for high-dimensional data. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1497-8.
- [165] Correia J, Machado P, Romero J. Improving haar cascade classifiers through the synthesis of new training examples. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1479-80.
- [166] Fagan D, Hemberg E, Nicolau M, O'Neill M, McGarraghy S. Towards adaptive mutation in grammatical evolution. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1481-2.
- [167] Schneider N. Generic prognosis with evolutionary approaches. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1501-2.
- [168] Fu W, Johnston M, Zhang M. Genetic programming for edge detection based on figure of merit. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1483-4.
- [169] Sun Q, Pfahringer B, Mayo M. Full model selection in the space of data mining operators. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1503-4.
- [170] Helmuth T, Spector L. Empirical investigation of size-based tournaments for node selection in genetic programming. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1485-6.
- [171] Krawiec K, Pawlak T. Locally geometric semantic crossover. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1487-8.
- [172] Trujillo L, Martinez Y, Lopez EG, Legrand P. A comparative study of an evolvability indicator and a predictor of expected performance for genetic programming. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings

- of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1489-90.
- [173] Coletti M. The effects of training set size and keeping rules on the emergent selection pressure of learnable evolution model. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1505-6.
 - [174] Jebari K, Bouroumi A, Ettouhami A. Genetic fuzzy rules for DOPs. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1507-8.
 - [175] long Li Y, Zhang J, neng Chen W. Differential evolution algorithm with PCA-based crossover. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1509-10.
 - [176] Maturana J, Vergara F, Rojas C, Saubion F, Vargas F, Vidal D. Improving clonal colony optimization to evolve robust solutions. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1511-2.
 - [177] hui Zhan Z, Zhang J. Enhance differential evolution with random walk. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1513-4.
 - [178] Merelo-Guervós JJ, Mora AM, Esparcia AI, Fernandes CM. Validating design choices in a pool-based distributed evolutionary algorithms architecture. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1517-8.
 - [179] Noroozi V, Hashemi AB, Meybodi MR. Alpinist CellularDE: a cellular based optimization algorithm for dynamic environments. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1519-20.
 - [180] Alford A, Adams J, Shelton J, Bryant K, Kelly J, Dozier G. Analyzing the cross-generalization ability of a hybrid genetic & evolutionary application for multibiometric feature weighting and selection. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1521-2.
 - [181] Bazzan ALC. Co-evolution of the dynamics in population games: the case of traffic flow assignment. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1523-4.
 - [182] Kim J, Moon BR. New malware detection system using metric-based method and hybrid genetic algorithm. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1527-8.

- [183] Ono S, Nakayama S. User-system cooperative evolution for Japanese anagram sentence generation. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1529-30.
- [184] Pinto J, Horta N. Automated passive filter design using multi-objective genetic algorithms with variable parameters. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1531-2.
- [185] Sher GI. Forex trading using geometry sensitive neural networks. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1533-4.
- [186] Soltero FJ, Bodas-Sagi DJ, Fernández-Blanco P, Hidalgo JI, de Vega FF. Optimization of technical indicators in real time with multiobjective evolutionary algorithms. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1535-6.
- [187] Suciú M, Cremene M, Pop F, Dumitrescu D. Equitable solutions in QoS-aware service optimization. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1537-8.
- [188] Yefimochkin O, Neves R, Horta N. An evolutionary approach to define investment strategies based on macroeconomic indicators and VIX data. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1539-40.
- [189] de Oliveira Barros M, Costa HR, Figueiredo FV, Cavalcanti da Rocha AR. Multiobjective optimization for project portfolio selection. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1541-2.
- [190] Chen N, Zhang J, Liu O. Adaptive genetic algorithm based on density distribution of population. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1543-4.
- [191] López-Camacho E, Terashima-Marín H, Conant-Pablos SE. The impact of the bin packing problem structure in hyper-heuristic performance. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1545-6.
- [192] Manukyan N, Eppstein MJ, Horbar JD, Leahy KA, Kenny MJ, Mukherjee S, et al. Evolutionary mining for multivariate associations in large time-varying data sets: a healthcare network application. In: Soule T, Auger A, Moore J, Pelta D, Solnon C, Preuss M, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA: ACM; 2012. p. 1547-8.

- [193] Rand B, Tantar AA, Tantar E, Bosman PAN, Padhye N, Baughman A, et al., editors. GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion. Philadelphia, Pennsylvania, USA; 2012.