Список литературы

[Abdelbar & Wunsch, 2012] Abdelbar, A. M. & Wunsch, D. C. (2012). Improving the performance of max-min ant system on the tsp using stubborn ants. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1395–1396. https://doi.org/doi:10.1145/2330784.2330949

[Aleb & Kechid, 2012] Aleb, N. & Kechid, S. (2012). A new framework for scalable genetic programming. *GECCO 2012 Symbolic regression and modeling workshop*, 487–492. https://doi.org/doi:10.1145/2330784.2330859

[Alford et al., 2012] Alford, A., Adams, J., Shelton, J., Bryant, K., Kelly, J., & Dozier, G. (2012). Analyzing the cross-generalization ability of a hybrid genetic & evolutionary application for multibiometric feature weighting and selection. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1521–1522. https://doi.org/doi:10.1145/2330784.2331026

[Amiri et al., 2012] Amiri, B., Hossain, L., & Crowford, J. (2012). A multiobjective hybrid evolutionary algorithm for clustering in social networks. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1445–1446. https://doi.org/doi:10.1145/2330784.2330981

[Auger & Hansen, 2012] Auger, A. & Hansen, N. (2012). Tutorial cma-es: evolution strategies and covariance matrix adaptation. *GECCO 2012 Advanced tutorials*, 827–848. https://doi.org/doi:10.1145/2330784.2330919

[Bacardit & Llorà, 2012] Bacardit, J. & Llorà, X. (2012). Large scale data mining using genetics-based machine learning. *GECCO 2012 Specialized techniques and applications tutorials*, 1171–1196. https://doi.org/doi:10.1145/2330784.2330936

[Baeck, 2012] Baeck, T. (2012). Evolution strategies: basic introduction. *GECCO 2012 Introductory tutorials*, 711–736. https://doi.org/doi:10.1145/2330784.2330913

[Banerjee, 2012] Banerjee, A. (2012). Density-based evolutionary outlier detection. *GECCO 2012 Late breaking abstracts workshop*, 651–652. https://doi.org/doi:10.1145/2330784.2330904

[Bartoli et al., 2012] Bartoli, A., Davanzo, G., De Lorenzo, A., Mauri, M., Medvet, E., & Sorio, E. (2012). Automatic generation of regular expressions from examples with genetic programming. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1477–1478. https://doi.org/doi:10.1145/2330784.2331000

[Bartz-Beielstein et al., 2012] Bartz-Beielstein, T., Flasch, O., & Zaefferer, M. (2012). Sequential parameter optimization for symbolic regression. *GECCO 2012 Symbolic regression and modeling workshop*, 495–496. https://doi.org/doi:10.1145/2330784.2330861

[Bazargani et al., 2012] Bazargani, M., Anjos, A., Lobo, F., Mollahosseini, A., & Shahbazkia, H. (2012). Affine image registration transformation estimation using a real coded genetic algorithm with sbx. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1459–1460. https://doi.org/doi:10.1145/2330784.2330990

[Bazzan, 2012] Bazzan, A. L. (2012). Co-evolution of the dynamics in population games: the case of traffic flow assignment. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1523–1524. https://doi.org/doi:10.1145/2330784.2331027

[Beham et al., 2012] Beham, A., Pitzer, E., Wagner, S., Affenzeller, M., Altendorfer, K., Felberbauer, T., & Bäck, M. (2012). Integration of flexible interfaces in optimization software frameworks for simulation-based optimization. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*, 125–132. https://doi.org/doi:10.1145/2330784.2330804

[Behzadan & Smith, 2012] Behzadan, B. & Smith, R. E. (2012). An information-based approach towards neuro-evolution. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1491–1492. https://doi.org/doi:10.1145/2330784.2331008

[Beliveau et al., 2012] Beliveau, P., Hornby, G., & Bongard, J. (2012). Interactive simulated robot construction and controller evolution. *GECCO 2012 Late breaking abstracts workshop*, 627–628. https://doi.org/doi:10.1145/2330784.2330892

[Benbassat & Sipper, 2012] Benbassat, A. & Sipper, M. (2012). Evolving players that use selective game-tree search with genetic programming. *GECCO 2012 Late breaking abstracts workshop*, 631–632. https://doi.org/doi:10.1145/2330784.2330894

[Bernstein, 2012] Bernstein, O. (2012). Flea market simulator: a market simulator for experiments on the computational evolution of trading strategies for economic agents. *Tenth GECCO Undergraduate Student Workshop*, 549–554. https://doi.org/doi:10.1145/2330784.2330871

[Bevilacqua et al., 2012] Bevilacqua, V., Filograno, G., Fiorentino, M., & Uva, A. E. (2012). Early diagnosis of lung tumors by genetically optimized 3d-metaball malignancy metric. *GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC)*, 531–538. https://doi.org/doi:10.1145/2330784.2330868

[Bongard et al., 2012] Bongard, J., Beliveau, P., & Hornby, G. (2012). Avoiding local optima with interactive evolutionary robotics. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1405–1406. https://doi.org/doi:10.1145/2330784.2330955

[Brockhoff et al., 2012] Brockhoff, D., Auger, A., & Hansen, N. (2012). On the effect of mirroring in the ipop active cma-es on the noiseless bbob testbed. *Black box optimization benchmarking 2012 (BBOB 2012)*, 277–284. https://doi.org/doi:10.1145/2330784.2330824

[Burjorjee, 2012] Burjorjee, K. (2012). Explaining adaptation in genetic algorithms with uniform crossover: the hyperclimbing hypothesis. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1461–1462. https://doi.org/doi:10.1145/2330784.2330991

[Bush, 2012] Bush, W. S. (2012). Introduction to bioinformatics and computational biology. *GECCO 2012 Specialized techniques and applications tutorials*, 1141–1170. https://doi.org/doi:10.1145/2330784.2330935

[Buzdalov & Sokolov, 2012] Buzdalov, M. & Sokolov, A. (2012). Evolving efsms solving a path-planning problem by genetic programming. *GECCO 2012 Graduate Students Workshop*, 591–594. https://doi.org/doi:10.1145/2330784.2330880

[Byers et al., 2012] Byers, C., Cheng, B., & McKinley, P. (2012). Exploring the evolution of internal control structure using digital enzymes. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1407–1408. https://doi.org/doi:10.1145/2330784.2330956

[Cagnoni et al., 2012] Cagnoni, S., Cordón, O., Mesejo, P., Nashed, Y. S., & Ugolotti, R. (2012). First results and future developments of the mibisoc project in the ibislab of the university of parma. *GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC)*, 509–516. https://doi.org/doi:10.1145/2330784.2330865

[Carneiro & Oliveira, 2012] Carneiro, M. G. & Oliveira, G. M. B. (2012). Synchronous cellular automata scheduler with construction heuristic to static task scheduling in multiprocessors. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1433–1434. https://doi.org/doi:10.1145/2330784.2330974

[Castellini et al., 2012] Castellini, A., Manca, V., Zucchelli, M., & Busato, M. (2012). A genetic approach for synthesizing metabolic models from time series. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1415–1416. https://doi.org/doi:10.1145/2330784.2330961

[Cavalcante et al., 2012] Cavalcante, E. S., Aquino, A. L., Pappa, G. L., & Loureiro, A. A. (2012). Roadside unit deployment for information dissemination in a vanet: an evolutionary approach. *GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC)*, 27–34. https://doi.org/doi:10.1145/2330784.2330789

[Celis & Bongard, 2012] Celis, S. E. & Bongard, J. (2012). Not all physics simulators can be wrong in the same way. *GECCO 2012 Late breaking abstracts workshop*, 659–660. https://doi.org/doi:10.1145/2330784.2330908

[Chen et al., 2012] Chen, N., Zhang, J., & Liu, O. (2012). Adaptive genetic algorithm based on density distribution of population. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1543–1544. https://doi.org/doi:10.1145/2330784.2331039

[Chivilikhin et al., 2012] Chivilikhin, D., Ulyantsev, V., & Tsarev, F. (2012). Test-based extended finite-state machines induction with evolutionary algorithms and ant colony optimization. *GECCO 2012 Graduate Students Workshop*, 603–606. https://doi.org/doi:10.1145/2330784.2330883

[Chuang & Chen, 2012] Chuang, Y.-C. & Chen, C.-T. (2012). Black-box optimization benchmarking for noiseless function testbed using a direction-based rcga. *Black box optimization benchmarking 2012 (BBOB 2012)*, 167–174. https://doi.org/doi:10.1145/2330784.2330810

[Coello Coello, 2012] Coello Coello, C. A. (2012). Constraint-handling techniques used with evolutionary algorithms. *GECCO 2012 Advanced tutorials*, 849–872. https://doi.org/doi:10.1145/2330784.2330920

[Coletti, 2012] Coletti, M. (2012). The effects of training set size and keeping rules on the emergent selection pressure of learnable evolution model. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1505–1506. https://doi.org/doi:10.1145/2330784.2331016

[Collet & Harding, 2012] Collet, P. & Harding, S. (2012). Evolutionary algorithms and genetic programming on graphic processing units (gpu). *GECCO 2012 Specialized techniques and applications tutorials*, 1117–1138. https://doi.org/doi:10.1145/2330784.2330933

[Comis Da Ronco & Benini, 2012] Comis Da Ronco, C. & Benini, E. (2012). Gedea-ii: a simplex-crossover based multi objective evolutionary algorithm including the genetic diversity asobjective. *GECCO 2012 Late breaking abstracts workshop*, 619–620. https://doi.org/doi:10.1145/2330784.2330888

[Connelly et al., 2012] Connelly, B. D., Zaman, L., & McKinley, P. K. (2012). The seeds platform for evolutionary and ecological simulations. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*, 133–140. https://doi.org/doi:10.1145/2330784.2330805

[Correia et al., 2012] Correia, J., Machado, P., & Romero, J. (2012). Improving haar cascade classifiers through the synthesis of new training examples. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1479–1480. https://doi.org/doi:10.1145/2330784.2331001

[Darvish et al., 2012] Darvish, A., Rahnamayan, S., & Mohamad, Z. S. (2012). Interactive differential evolution for prostate ultrasound image thresholding. *GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC)*, 501–508. https://doi.org/doi:10.1145/2330784.2330864

[De Jong, 2012] De Jong, K. (2012). Evolutionary computation: a unified approach. *GECCO 2012 Introductory tutorials*, 737–750. https://doi.org/doi:10.1145/2330784.2330914

[de Melo, 2012] de Melo, V. V. (2012). Benchmarking the multi-view differential evolution on the noiseless bbob-2012 function testbed. *Black box optimization benchmarking 2012 (BBOB 2012)*, 183–188. https://doi.org/doi:10.1145/2330784.2330812

[de Oliveira Barros et al., 2012] de Oliveira Barros, M., Costa, H. R., Figueiredo, F. V., & Cavalcanti da Rocha, A. R. (2012). Multiobjective optimization for project portfolio selection. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1541–1542. https://doi.org/doi:10.1145/2330784.2331037

[De Rainville et al., 2012] De Rainville, F.-M., Fortin, F.-A., Gardner, M.-A., Parizeau, M., & Gagné, C. (2012). Deap: a python framework for evolutionary algorithms. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*, 85–92. https://doi.org/doi:10.1145/2330784.2330799

[Dobslaw, 2012] Dobslaw, F. (2012). Input: the intelligent parameter utilization tool. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*, 149–156. https://doi.org/doi:10.1145/2330784.2330807

[Doerr, 2012] Doerr, B. (2012). Black-box complexity: from complexity theory to playing mastermind. *GECCO 2012 Specialized techniques and applications tutorials*, 1079–1092. https://doi.org/doi:10.1145/2330784.2330931

[Doncieux et al., 2012] Doncieux, S., Jin, Y., & Mouret, J.-B. (2012). Evo-devo-robo workshop program. *GECCO 2012 Evolutionary developmental robotics*, 355–356. https://doi.org/doi:10.1145/2330784.2330836

[Dumas et al., 2012] Dumas, L., Boutouyrie, P., & Bozec, E. (2012). An optimal reconstruction of the human arterial tree from doppler echotracking measurements. *GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC)*, 517–522. https://doi.org/doi:10.1145/2330784.2330866

[Ellabaan & Ong, 2012] Ellabaan, M. M. H. & Ong, Y. S. (2012). Experiences on memetic computation for locating transition states in biochemical applications. *GECCO 2012 Late breaking abstracts workshop*, 623–624. https://doi.org/doi:10.1145/2330784.2330890

[English et al., 2012] English, A., Petruso, H., & Wang, C. (2012). Grammatical evolution decision trees for trio designs. *Tenth GECCO Undergraduate Student Workshop*, 559–562. https://doi.org/doi:10.1145/2330784.2330873

[Fagan et al., 2012] Fagan, D., Hemberg, E., Nicolau, M., O'Neill, M., & McGarraghy, S. (2012). Towards adaptive mutation in grammatical evolution. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1481–1482. https://doi.org/doi:10.1145/2330784.2331002

[Fernandes et al., 2012] Fernandes, C. M., Mora, A., Merelo, J. J., Fernández, F., & Rosa, A. (2012). Generating colored 2-dimensional representations of sleep eeg with the kants clustering algorithm. *GECCO 2012 Visualisation methods for genetic and evolutionary computation (VizGEC)*, 435–442. https://doi.org/doi:10.1145/2330784.2330851

[Fonlupt & Robilliard, 2012] Fonlupt, C. & Robilliard, D. (2012). Combining programs to counter code disruption. *GECCO 2012 Late breaking abstracts workshop*, 643–644. https://doi.org/doi:10.1145/2330784.2330900

[Forrest & LeGoues, 2012] Forrest, S. & LeGoues, C. (2012). Evolutionary software repair. *GECCO 2012 Specialized techniques and applications tutorials*, 1345–1348. https://doi.org/doi:10.1145/2330784.2330943

[Fredivianus et al., 2012] Fredivianus, N., Kara, K., & Schmeck, H. (2012). Stay real!: Xcs with rule combining for real values. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1493–1494. https://doi.org/doi:10.1145/2330784.2331009

[Fu et al., 2012] Fu, W., Johnston, M., & Zhang, M. (2012). Genetic programming for edge detection based on figure of merit. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1483–1484. https://doi.org/doi:10.1145/2330784.2331003

[Gagne, 2012] Gagne, D. J. (2012). Gamiv: a genetic algorithm for identifying variable-lengthmotifs in noncoding dna. *Tenth GECCO Undergraduate Student Workshop*, 555–558. https://doi.org/doi:10.1145/2330784.2330872

[Gao & Lv, 2012] Gao, Y. & Lv, D. (2012). Principal coordinate strategy: a novel adaptive control strategy for differential evolution. *Tenth GECCO Undergraduate Student Workshop*, 573–578. https://doi.org/doi:10.1145/2330784.2330876

[García et al., 2012] García, E. R., Gutiérrez, R. M., Velázquez, P. L., Ponsich, A., Ángel Gutiérrez Andrade, M., & De Los Cobos Silva, S. (2012). A discrete artificial bee colony algorithm for the multi-objective redistricting problem. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1439–1440. https://doi.org/doi:10.1145/2330784.2330977

[Garrett, 2012] Garrett, D. (2012). A call for collaborative landscape analysis. *1st workshop on Understanding Problems (GECCO-UP)*, 409–416. https://doi.org/doi:10.1145/2330784.2330847

[Goldman & Tauritz, 2012] Goldman, B. W. & Tauritz, D. R. (2012). Supportive coevolution. *GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms*, 59–66. https://doi.org/doi:10.1145/2330784.2330795

[Gomez et al., 2012] Gomez, F., Koutník, J., & Schmidhuber, J. (2012). Complexity search for compressed neural networks. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1455–1456. https://doi.org/doi:10.1145/2330784.2330987

[Goodman, 2012] Goodman, E. D. (2012). Introduction to genetic algorithms. *GECCO 2012 Introductory tutorials*, 671–692. https://doi.org/doi:10.1145/2330784.2330911

[Gullo et al., 2012] Gullo, F., Talukder, A. K., Luke, S., Domeniconi, C., & Tagarelli, A. (2012). Multiobjective optimization of co-clustering ensembles. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1495–1496. https://doi.org/doi:10.1145/2330784.2331010

[Han, 2012] Han, S. (2012). Batting order optimization by genetic algorithm. *GECCO 2012 Graduate Students Workshop*, 599–602. https://doi.org/doi:10.1145/2330784.2330882

[Harrington et al., 2012] Harrington, K. I., Spector, L., Pollack, J. B., & O'Reilly, U.-M. (2012). Autoconstructive evolution for structural problems. *GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms*, 75–82. https://doi.org/doi:10.1145/2330784.2330797

[Helmi et al., 2012] Helmi, B. H., Pelikan, M., & Rahmani, A. T. (2012). Linkage learning using the maximum spanning tree of the dependency graph. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1429–1430. https://doi.org/doi:10.1145/2330784.2330970

[Helmuth & Spector, 2012] Helmuth, T. & Spector, L. (2012). Empirical investigation of size-based tournaments for node selection in genetic programming. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1485–1486. https://doi.org/doi:10.1145/2330784.2331004

[Hemberg et al., 2012] Hemberg, E., Veeramachaneni, K., & O'Reilly, U.-M. (2012). Graphical models and what they reveal about gp when it solves a symbolic regression problem. *GECCO 2012 Symbolic regression and modeling workshop*, 493–494. https://doi.org/doi:10.1145/2330784.2330860

[Ho & Yu, 2012] Ho, T.-Y. & Yu, T.-L. (2012). A linkage-learning niching in estimation of distribution algorithm. *GECCO 2012 Late breaking abstracts workshop*, 649–650. https://doi.org/doi:10.1145/2330784.2330903

[Hoover et al., 2012] Hoover, K., Marceau, R., Harris, T., Reif, D., & Motsinger-Reif, A. (2012). A comparison of ge optimized neural networks and decision trees. *GECCO 2012 Graduate Students Workshop*, 611–614. https://doi.org/doi:10.1145/2330784.2330885

[Hsueh & Yu, 2012] Hsueh, C.-H. & Yu, T.-L. (2012). Affective content based music video paring system using real coded ga. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1427–1428. https://doi.org/doi:10.1145/2330784.2330968

[hui Zhan & Zhang, 2012] hui Zhan, Z. & Zhang, J. (2012). Enhance differential evolution with random walk. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1513–1514. https://doi.org/doi:10.1145/2330784.2331020

[Hutterer et al., 2012] Hutterer, S., Affenzeller, M., & Auinger, F. (2012). Evolutionary optimization of multi-agent controlstrategies for electric vehicle charging. *GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC)*, 3–10. https://doi.org/doi:10.1145/2330784.2330786

[Iclanzan et al., 2012] Iclanzan, D., Gaskó, N., & Dumitrescu, D. (2012). Evolving mixed nash equilibria for bimatrix games. *GECCO 2012 Late breaking abstracts workshop*, 655–656. https://doi.org/doi:10.1145/2330784.2330906

[Ismail et al., 2012] Ismail, S. B., Legras, F., & Coppin, G. (2012). A new interactive evolutionary algorithm for the vehicle routing problem. *GECCO 2012 Late breaking abstracts workshop*, 661–668. https://doi.org/doi:10.1145/2330784.2330909

[Jansen & Zarges, 2012] Jansen, T. & Zarges, C. (2012). Artificial immune systems for optimisation. *GECCO 2012 Specialized techniques and applications tutorials*, 1059–1078. https://doi.org/doi:10.1145/2330784.2330930

[Jebari et al., 2012] Jebari, K., Bouroumi, A., & Ettouhami, A. (2012). Genetic fuzzy rules for dops. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1507–1508. https://doi.org/doi:10.1145/2330784.2331017

[Jimbo & Craven, 2012] Jimbo, H. C. & Craven, M. J. (2012). A dynamical model of cancer chemotherapy with disturbance. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1417–1418. https://doi.org/doi:10.1145/2330784.2330962

[Joachimczak et al., 2012] Joachimczak, M., Kowaliw, T., Doursat, R., & Wróbel, B. (2012). Evolving morphologies and controllers for soft-bodied multicellular animats using gene regulatory networks and artificial embryogenesis. *GECCO 2012 Evolutionary developmental robotics*, 357–360. https://doi.org/doi:10.1145/2330784.2330837

[Julstrom, 2012] Julstrom, B. A. (2012). Clans and cooperation in the iterated prisoner's dilemma. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1463–1464. https://doi.org/doi:10.1145/2330784.2330992

[Kaliakatsos-Papakostas et al., 2012] Kaliakatsos-Papakostas, M. A., Floros, A., Kanellopoulos, N., & Vrahatis, M. N. (2012). Genetic evolution of l and fl-systems for the production of rhythmic sequences. *GECCO 2012 Evolutionary music*, 461–468. https://doi.org/doi:10.1145/2330784.2330855

[Kattan & Fatima, 2012] Kattan, A. & Fatima, S. (2012). Evolving optimal agendas and strategies for negotiation in dynamic environments: a surrogate based approach. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1435–1436. https://doi.org/doi:10.1145/2330784.2330975

[Kim & Moon, 2012] Kim, J. & Moon, B.-R. (2012). New malware detection system using metric-based method and hybrid genetic algorithm. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1527–1528. https://doi.org/doi:10.1145/2330784.2331029

[Knudson & Tumer, 2012] Knudson, M. & Tumer, K. (2012). Policy transfer in mobile robots using neuro-evolutionary navigation. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1411–1412. https://doi.org/doi:10.1145/2330784.2330958

[Komiya et al., 2012] Komiya, K., Noman, N., & Iba, H. (2012). The search for robust topologies of oscillatory gene regulatory networks by evolutionary computation. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1419–1420. https://doi.org/doi:10.1145/2330784.2330963

[Kommenda et al., 2012] Kommenda, M., Kronberger, G., Wagner, S., Winkler, S., & Affenzeller, M. (2012). On the architecture and implementation of tree-based genetic programming in heuristiclab. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*, 101–108. https://doi.org/doi:10.1145/2330784.2330801

[Kotanchek, 2012] Kotanchek, M. (2012). Robust function discovery and feature selection for life sciences and engineering. *GECCO 2012 Symbolic regression and modeling workshop*, 497–498. https://doi.org/doi:10.1145/2330784.2330862

[Krawiec & Pawlak, 2012] Krawiec, K. & Pawlak, T. (2012). Locally geometric semantic crossover. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1487–1488. https://doi.org/doi:10.1145/2330784.2331005

[Kromer et al., 2012] Kromer, P., Prokop, L., Snasel, V., Misak, S., Platos, J., & Abraham, A. (2012). Evolutionary prediction of photovoltaic power plant energy production. *GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC)*, 35–42. https://doi.org/doi:10.1145/2330784.2330790

[Kuehn, 2012] Kuehn, T. J. (2012). Evolutionary fabrication: a system of autonomous invention. *Tenth GECCO Undergraduate Student Workshop*, 579–584. https://doi.org/doi:10.1145/2330784.2330877

[Lee et al., 2012] Lee, P., Teng, Y., & Hsiao, T.-C. (2012). Xcsf for prediction on emotion induced by image based on dimensional theory of emotion. *Fifteenth international workshop on learning classifier systems (ICWLS)*, 375–382. https://doi.org/doi:10.1145/2330784.2330842

[Lehre, 2012] Lehre, P. K. (2012). Drift analysis. *GECCO 2012 Specialized techniques and applications tutorials*, 1239–1258. https://doi.org/doi:10.1145/2330784.2330939

[Liao et al., 2012] Liao, T., Molina, D., Stutzle, T., Montes de Oca, M. A., & Dorigo, M. (2012). An aco algorithm benchmarked on the bbob noiseless function testbed. *Black box optimization benchmarking 2012 (BBOB 2012)*, 159–166. https://doi.org/doi:10.1145/2330784.2330809

[Loiacono & Preuß, 2012] Loiacono, D. & Preuß, M. (2012). Computational intelligence in games. *GECCO 2012 Specialized techniques and applications tutorials*, 1139–1140. https://doi.org/doi:10.1145/2330784.2330934

[long Li et al., 2012] long Li, Y., Zhang, J., & neng Chen, W. (2012). Differential evolution algorithm with pca-based crossover. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1509–1510. https://doi.org/doi:10.1145/2330784.2331018

[Longo et al., 2012] Longo, G., Montévil, M., & Kauffman, S. (2012). No entailing laws, but enablement in the evolution of the biosphere. *GECCO 2012 Keynote talks*, 1379–1392. https://doi.org/doi:10.1145/2330784.2330946

[López-Camacho et al., 2012] López-Camacho, E., Terashima-Marín, H., & Conant-Pablos, S. E. (2012). The impact of the bin packing problem structure in hyper-heuristic performance. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1545–1546. https://doi.org/doi:10.1145/2330784.2331040

[Loshchilov et al., 2012] Loshchilov, I., Schoenauer, M., & Sebag, M. (2012). Black-box optimization benchmarking of ipop-saacm-es and bipop-saacm-es on the bbob-2012 noiseless testbed. *Black box optimization benchmarking 2012 (BBOB 2012)*, 175–182. https://doi.org/doi:10.1145/2330784.2330811

[Lourenço et al., 2012] Lourenço, N., Pereira, F., & Costa, E. (2012). Evolving evolutionary algorithms. *GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms*, 51–58. https://doi.org/doi:10.1145/2330784.2330794

[Mani et al., 2012] Mani, N., Srivastava, G., Sinha, A. K., & Mani, A. (2012). An evaluation of cellular population model for improving quantum-inspired evolutionary algorithm. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1437–1438. https://doi.org/doi:10.1145/2330784.2330976

[Manukyan et al., 2012] Manukyan, N., Eppstein, M. J., Horbar, J. D., Leahy, K. A., Kenny, M. J., Mukherjee, S., & Rizzo, D. M. (2012). Evolutionary mining for multivariate associations in large time-varying data sets: a healthcare network application. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1547–1548. https://doi.org/doi:10.1145/2330784.2331041

[Marvel & Motsinger-Reif, 2012] Marvel, S. & Motsinger-Reif, A. (2012). Grammatical evolution support vector machines for predicting human genetic disease association. *GECCO 2012 Graduate Students Workshop*, 595–598. https://doi.org/doi:10.1145/2330784.2330881

[Matoso et al., 2012] Matoso, L., Junior, F., Pereira, A., Veloso, A., & Wagner Meira, J. (2012). New evolutionary approaches to high-dimensional data. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1447–1448. https://doi.org/doi:10.1145/2330784.2330982

[Maturana et al., 2012] Maturana, J., Vergara, F., Rojas, C., Saubion, F., Vargas, F., & Vidal, D. (2012). Improving clonal colony optimization to evolve robust solutions. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1511–1512. https://doi.org/doi:10.1145/2330784.2331019

[McClymont et al., 2012] McClymont, K., Walker, D., & Dupenois, M. (2012). The lay of the land: a brief survey of problem understanding. *1st workshop on Understanding Problems (GECCO-UP)*, 425–432. https://doi.org/doi:10.1145/2330784.2330849

[Merelo et al., 2012] Merelo, J. J., Fernandes, C. M., Mora, A. M., & Esparcia, A. I. (2012). Sofea: a pool-based framework for evolutionary algorithms using couchdb. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*, 109–116. https://doi.org/doi:10.1145/2330784.2330802

[Merelo-Guervós et al., 2012] Merelo-Guervós, J.-J., Mora, A. M., Esparcia, A. I., & Fernandes, C. M. (2012). Validating design choices in a pool-based distributed evolutionary algorithms architecture. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1517–1518. https://doi.org/doi:10.1145/2330784.2331023

[Miller & Harding, 2012] Miller, J. F. & Harding, S. (2012). Gecco 2012 tutorial: cartesian genetic programming. *GECCO 2012 Specialized techniques and applications tutorials*, 1093–1116. https://doi.org/doi:10.1145/2330784.2330932

[Mlakar et al., 2012] Mlakar, M., Tuaar, T., & Filipić, B. (2012). Discrete vs. continuous multiobjective optimization of continuous casting of steel. *GECCO 2012 Graduate Students Workshop*, 587–590. https://doi.org/doi:10.1145/2330784.2330879

[Moraglio, 2012] Moraglio, A. (2012). Geometry of evolutionary algorithms. *GECCO 2012 Specialized techniques and applications tutorials*, 1317–1344. https://doi.org/doi:10.1145/2330784.2330942

[Mukherjee & Eppstein, 2012] Mukherjee, S. & Eppstein, M. J. (2012). Differential evolution of constants in genetic programming improves efficacy and bloat. *GECCO 2012 Late breaking abstracts workshop*, 625–626. https://doi.org/doi:10.1145/2330784.2330891

[Nashed et al., 2012] Nashed, Y. S., Ugolotti, R., Mesejo, P., & Cagnoni, S. (2012). libcudaoptimize: an open source library of gpu-based metaheuristics. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*, 117–124. https://doi.org/doi:10.1145/2330784.2330803

[Nasir et al., 2012] Nasir, M., Sengupta, S., Das, S., & Das, S. (2012). Configuration of sensors on a 3-d terrain: an approach based on evolutionary multi-objective optimization. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1443–1444. https://doi.org/doi:10.1145/2330784.2330980

[Neumann & Witt, 2012] Neumann, F. & Witt, C. (2012). Bioinspired computation in combinatorial optimization: algorithms and their computational complexity. *GECCO 2012 Advanced tutorials*, 1035–1058. https://doi.org/doi:10.1145/2330784.2330928

[Nobile et al., 2012] Nobile, M. S., Besozzi, D., Cazzaniga, P., Mauri, G., & Pescini, D. (2012). Estimating reaction constants in stochastic biological systems with a multi-swarm pso running on gpus. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1421–1422. https://doi.org/doi:10.1145/2330784.2330964

[Noroozi et al., 2012] Noroozi, V., Hashemi, A. B., & Meybodi, M. R. (2012). Alpinist cellularde: a cellular based optimization algorithm for dynamic environments. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1519–1520. https://doi.org/doi:10.1145/2330784.2331024

[Nourashrafeddin et al., 2012] Nourashrafeddin, S., Arnold, D., & Milios, E. (2012). An evolutionary subspace clustering algorithm for high-dimensional data. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1497–1498. https://doi.org/doi:10.1145/2330784.2331011

[Ochoa, 2012] Ochoa, G. (2012). Hyper-heuristics and cross-domain optimization. *GECCO 2012 Specialized techniques and applications tutorials*, 1197–1214. https://doi.org/doi:10.1145/2330784.2330937

[Oliwa & Rasheed, 2012] Oliwa, T. & Rasheed, K. (2012). A surrogate-assisted and informed linkage aware ga. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1467–1468. https://doi.org/doi:10.1145/2330784.2330994

[Ollion et al., 2012] Ollion, C., Pinville, T., & Doncieux, S. (2012). Emergence of memory in neuroevolution: impact of selection pressures. *GECCO 2012 Evolutionary developmental robotics*, 369–372. https://doi.org/doi:10.1145/2330784.2330840

[Ono & Nakayama, 2012] Ono, S. & Nakayama, S. (2012). User-system cooperative evolution for japanese anagram sentence generation. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1529–1530. https://doi.org/doi:10.1145/2330784.2331030

[O'Reilly, 2012] O'Reilly, U.-M. (2012). Genetic programming: a tutorial introduction. *GECCO 2012 Introductory tutorials*, 693–710. https://doi.org/doi:10.1145/2330784.2330912

[Otero et al., 2012] Otero, F., Castle, T., & Johnson, C. (2012). Epochx: genetic programming in java with statistics and event monitoring. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*, 93–100. https://doi.org/doi:10.1145/2330784.2330800

[Ozisik & Harrington, 2012] Ozisik, A. P. & Harrington, K. I. (2012). The effects of tags on the evolution of honest signaling. *GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS)*, 345–352. https://doi.org/doi:10.1145/2330784.2330834

[Padhye, 2012] Padhye, N. (2012). Evolutionary approaches for real world applications in 21st century. *GECCO 2012 Real world applications of evolutionary computation*, 43–48. https://doi.org/doi:10.1145/2330784.2330792

[Palafox & Hitoshi, 2012] Palafox, L. & Hitoshi, I. (2012). Gene regulatory network reverse engineering using population based incremental learning and k-means. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1423–1424. https://doi.org/doi:10.1145/2330784.2330965

[Palmer & Chou, 2012] Palmer, M. E. & Chou, A. K. (2012). An artificial visual cortex drives behavioral evolution in co-evolved predator and prey robots. *GECCO 2012 Evolutionary developmental robotics*, 361–364. https://doi.org/doi:10.1145/2330784.2330838

[Pascalie et al., 2012] Pascalie, J., Lobjois, V., Luga, H., Ducommun, B., & Duthen, Y. (2012). Checkpoint oriented cell-cycle simulation: critical role for age distribution initialization. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1425–1426. https://doi.org/doi:10.1145/2330784.2330966

[Pelikan, 2012] Pelikan, M. (2012). Probabilistic model-building genetic algorithms. *GECCO 2012 Introductory tutorials*, 777–804. https://doi.org/doi:10.1145/2330784.2330916

[Phan et al., 2012] Phan, D. H., Suzuki, J., Carroll, R., Balasubramaniam, S., Donnelly, W., & Botvich, D. (2012). Evolutionary multiobjective optimization for green clouds. *GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC)*, 19–26. https://doi.org/doi:10.1145/2330784.2330788

[Pilat & Neruda, 2012] Pilat, M. & Neruda, R. (2012). A surrogate multiobjective evolutionary strategy with local search and pre-selection. *GECCO 2012 Late breaking abstracts workshop*, 633–634. https://doi.org/doi:10.1145/2330784.2330895

[Pinto & Horta, 2012] Pinto, J. & Horta, N. (2012). Automated passive filter design using multi-objective genetic algorithms with variable parameters. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1531–1532. https://doi.org/doi:10.1145/2330784.2331031

[Pitzer et al., 2012] Pitzer, E., Beham, A., & Affenzeller, M. (2012). Generic hardness estimation using fitness and parameter landscapes applied to robust taboo search and the quadratic assignment problem. *1st workshop on Understanding Problems (GECCO-UP)*, 393–400. https://doi.org/doi:10.1145/2330784.2330845

[Poaík & Klema, 2012] Poaík, P. & Klema, V. (2012). Benchmarking the differential evolution with adaptive encoding on noiseless functions. *Black box optimization benchmarking 2012 (BBOB 2012)*, 189–196. https://doi.org/doi:10.1145/2330784.2330813

[Porta & Julstrom, 2012] Porta, M. & Julstrom, B. A. (2012). Evolving instances of unconstrained binary quadratic programming that challenge a tabu search heuristic. *GECCO 2012 Late breaking abstracts workshop*, 639–640. https://doi.org/doi:10.1145/2330784.2330898

[Quiroz et al., 2012] Quiroz, J. C., Banerjee, A., & Louis, S. J. (2012). 3-d modeling using collaborative evolution. *GECCO 2012 Late breaking abstracts workshop*, 653–654. https://doi.org/doi:10.1145/2330784.2330905

[Rafael et al., 2012] Rafael, B., Affenzeller, M., & Wagner, S. (2012). An adaption of the schema theorem to various crossover and mutation operators for a music segmentation problem. *GECCO 2012 Evolutionary music*, 469–476. https://doi.org/doi:10.1145/2330784.2330856

[Rajasekhar et al., 2012] Rajasekhar, A., Das, S., & Das, S. (2012). muabc: a micro artificial bee colony algorithm for large scale global optimization. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1399–1400. https://doi.org/doi:10.1145/2330784.2330951

[Rand et al., 2012] (2012). *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion.*

[Ranjeet et al., 2012] Ranjeet, T., Hingston, P., Lam, C. P., & Masek, M. (2012). Evaluating coevolution on a multimodal problem. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1469–1470. https://doi.org/doi:10.1145/2330784.2330995

[Raway et al., 2012] Raway, T., Schaffer, D. J., Kurtz, K. J., & Sayama, H. (2012). Evolving data sets to highlight the performance differences between machine learning classifiers. *GECCO 2012 Late breaking abstracts workshop*, 657–658. https://doi.org/doi:10.1145/2330784.2330907

[Regis, 2012] Regis, R. G. (2012). Surrogate-assisted evolutionary programming for high dimensional constrained black-box optimization. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1431–1432. https://doi.org/doi:10.1145/2330784.2330972

[Reis et al., 2012] Reis, G., Fernandéz, F., & Ferreira, A. (2012). Evolutionary algorithms and automatic transcription of music. *GECCO 2012 Evolutionary music*, 477–484. https://doi.org/doi:10.1145/2330784.2330857

[Richard & Majercik, 2012] Richard, W. K. & Majercik, S. M. (2012). Swarm-based path creation in dynamic environments for search and rescue. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1401–1402. https://doi.org/doi:10.1145/2330784.2330952

[Rieffel & Smith, 2012] Rieffel, J. & Smith, S. (2012). Growing and evolving soft robots with a face-encoding tetrahedral grammar. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1457–1458. https://doi.org/doi:10.1145/2330784.2330988

[Rocki & Suda, 2012] Rocki, K. & Suda, R. (2012). An efficient gpu implementation of a multi-start tsp solver for large problem instances. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1441–1442. https://doi.org/doi:10.1145/2330784.2330978

[Rogalsky, 2012] Rogalsky, T. (2012). Bezier control parameterization for evolutionary optimization in disease models. *GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC)*, 523–530. https://doi.org/doi:10.1145/2330784.2330867

[Rothlauf, 2012] Rothlauf, F. (2012). Representations for evolutionary algorithms. *GECCO 2012 Advanced tutorials*, 873–894. https://doi.org/doi:10.1145/2330784.2330921

[Rowe, 2012] Rowe, J. E. (2012). Genetic algorithm theory. *GECCO 2012 Advanced tutorials*, 917–940. https://doi.org/doi:10.1145/2330784.2330923

[Rudinac et al., 2012] Rudinac, M., Lenseigne, B., & Jonker, P. P. (2012). Empirical mode decomposition for saliency detection. *GECCO 2012 Evolutionary developmental robotics*, 365–368. https://doi.org/doi:10.1145/2330784.2330839

[Ryerkerk et al., 2012] Ryerkerk, M., Averill, R., Deb, K., & Goodman, E. (2012). Meaningful representation and recombination of variable length genomes. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1471–1472. https://doi.org/doi:10.1145/2330784.2330996

[Santana et al., 2012] Santana, R., Mendiburu, A., & Lozano, J. (2012). Evolving nk-complexity for evolutionary solvers. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1473–1474. https://doi.org/doi:10.1145/2330784.2330997

[Schaul, 2012] Schaul, T. (2012). Benchmarking separable natural evolution strategies on the noiseless and noisy black-box optimization testbeds. *Black box optimization benchmarking 2012 (BBOB 2012)*, 205–212. https://doi.org/doi:10.1145/2330784.2330815

[Scheibenpflug et al., 2012] Scheibenpflug, A., Wagner, S., Pitzer, E., & Affenzeller, M. (2012). Optimization knowledge base: an open database for algorithm and problem characteristics and optimization results. *GECCO 2012 Evolutionary Computation Software Systems (EvoSoft)*, 141–148. https://doi.org/doi:10.1145/2330784.2330806

[Schneider, 2012] Schneider, N. (2012). Generic prognosis with evolutionary approaches. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1501–1502. https://doi.org/doi:10.1145/2330784.2331013

[Schoonover, 2012] Schoonover, C. E. (2012). How to look inside the brain. *GECCO 2012 Keynote talks*, 1393–1394. https://doi.org/doi:10.1145/2330784.2330947

[Semenov & Stratonowitch, 2012] Semenov, M. A. & Stratonowitch, P. (2012). Application of evolutionary algorithms for model calibration. *GECCO 2012 Late breaking abstracts workshop*, 621–622. https://doi.org/doi:10.1145/2330784.2330889

[Sepúlveda et al., 2012] Sepúlveda, M. J., Chau, W., Strum, M., Pedraza, C., Gogniat, G., & Pires, R. (2012). Multi-objective artificial immune algorithm for security-constrained multi-application noc mapping. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1449–1450. https://doi.org/doi:10.1145/2330784.2330983

[Setayesh et al., 2012] Setayesh, M., Zhang, M., & Johnston, M. (2012). A spatial random-meaningful neighbourhood topology in pso for edge detection in noisy images. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1403–1404. https://doi.org/doi:10.1145/2330784.2330953

[Shafiee & Zechman, 2012] Shafiee, E. & Zechman, E. (2012). Integrating evolutionary computation and sociotechnical simulation for flushing contaminated water distribution systems. *GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS)*, 315–322. https://doi.org/doi:10.1145/2330784.2330830

[Sher, 2012] Sher, G. I. (2012). Forex trading using geometry sensitive neural networks. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1533–1534. https://doi.org/doi:10.1145/2330784.2331032

[Soltero et al., 2012] Soltero, F. J., Bodas-Sagi, D. J., Fernández-Blanco, P., Hidalgo, J. I., & de Vega, F. F. (2012). Optimization of technical indicators in real time with multiobjective evolutionary algorithms. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1535–1536. https://doi.org/doi:10.1145/2330784.2331033

[soo Park & Kim, 2012] soo Park, H. & Kim, K. J. (2012). Automatic python programming using stack-based genetic programming. *GECCO 2012 Late breaking abstracts workshop*, 641–642. https://doi.org/doi:10.1145/2330784.2330899

[Spector, 2012] Spector, L. (2012). Assessment of problem modality by differential performance of lexicase selection in genetic programming: a preliminary report. *1st workshop on Understanding Problems (GECCO-UP)*, 401–408. https://doi.org/doi:10.1145/2330784.2330846

[Srivastava et al., 2012] Srivastava, R. K., Schmidhuber, J., & Gomez, F. (2012). Generalized compressed network search. *GECCO 2012 Late breaking abstracts workshop*, 647–648. https://doi.org/doi:10.1145/2330784.2330902

[Stanley, 2012] Stanley, K. O. (2012). Evolving neural networks. *GECCO 2012 Introductory tutorials*, 805–826. https://doi.org/doi:10.1145/2330784.2330917

[Suciu et al., 2012] Suciu, M., Cremene, M., Pop, F., & Dumitrescu, D. (2012). Equitable solutions in qos-aware service optimization. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1537–1538. https://doi.org/doi:10.1145/2330784.2331034

[Sudholt, 2012] Sudholt, D. (2012). Theory of swarm intelligence. *GECCO 2012 Specialized techniques and applications tutorials*, 1215–1238. https://doi.org/doi:10.1145/2330784.2330938

[Sun et al., 2012] Sun, Q., Pfahringer, B., & Mayo, M. (2012). Full model selection in the space of data mining operators. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1503–1504. https://doi.org/doi:10.1145/2330784.2331014

[Tan et al., 2012] Tan, M., Deklerck, R., Jansen, B., & Cornelis, J. (2012). Analysis of a feature-deselective neuroevolution classifier (fd-neat) in a computer-aided lung nodule detection system for ct images. *GECCO 2012 Medical applications of genetic and evolutionary computation workshop (MedGEC)*, 539–546. https://doi.org/doi:10.1145/2330784.2330869

[Thompson, 2012] Thompson, J. (2012). Trade-offs using gamid for the inference of dna motifs that are represented in only a subset of sequences of interest. *Tenth GECCO Undergraduate Student Workshop*, 563–568. https://doi.org/doi:10.1145/2330784.2330874

[Tinós, 2012] Tinós, R. (2012). Analysing fitness landscape changes in evolutionary robots. *1st workshop on Understanding Problems (GECCO-UP)*, 385–392. https://doi.org/doi:10.1145/2330784.2330844

[Tosch & Spector, 2012] Tosch, E. & Spector, L. (2012). Achieving cosmos: a metric for determining when to give up and when to reach for the stars. *1st workshop on Understanding Problems (GECCO-UP)*, 417–424. https://doi.org/doi:10.1145/2330784.2330848

[Toutouh & Alba, 2012] Toutouh, J. & Alba, E. (2012). Green olsr in vanets with differential evolution. *GECCO 2012 Green and Efficient Energy Applications of Genetic and Evolutionary Computation Workshop (GreenGEC)*, 11–18. https://doi.org/doi:10.1145/2330784.2330787

[Trujillo et al., 2012] Trujillo, L., Martinez, Y., Lopez, E. G., & Legrand, P. (2012). A comparative study of an evolvability indicator and a predictor of expected performance for genetic programming. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1489–1490. https://doi.org/doi:10.1145/2330784.2331006

[Tsai et al., 2012] Tsai, C.-W., Lin, T.-Y., Chiang, M.-C., Yang, C.-S., & Hong, T.-P. (2012). Continuous space pattern reduction for genetic clustering algorithm. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1475–1476. https://doi.org/doi:10.1145/2330784.2330998

[Tsutsui & Fujimoto, 2012] Tsutsui, S. & Fujimoto, N. (2012). On the effect of using multiple gpus in solving qaps with cuda. *GECCO 2012 Late breaking abstracts workshop*, 629–630. https://doi.org/doi:10.1145/2330784.2330893

[van Berkel et al., 2012] van Berkel, S., Turi, D., Pruteanu, A., & Dulman, S. (2012). Automatic discovery of algorithms for multi-agent systems. *GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS)*, 337–344. https://doi.org/doi:10.1145/2330784.2330833

[van Lon et al., 2012] van Lon, R. R., Holvoet, T., Vanden Berghe, G., Wenseleers, T., & Branke, J. (2012). Evolutionary synthesis of multi-agent systems for dynamic dial-a-ride problems. *GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS)*, 331–336. https://doi.org/doi:10.1145/2330784.2330832

[Verel, 2012] Verel, S. (2012). Fitness landscapes and graphs: multimodularity, ruggedness and neutrality. *GECCO 2012 Advanced tutorials*, 1013–1034. https://doi.org/doi:10.1145/2330784.2330927

[Voglis et al., 2012] Voglis, C., Piperagkas, G. S., Parsopoulos, K. E., Papageorgiou, D. G., & Lagaris, I. E. (2012). Mempsode: an empirical assessment of local search algorithm impact on a memetic algorithm using noiseless testbed. *Black box optimization benchmarking 2012 (BBOB 2012)*, 245–252. https://doi.org/doi:10.1145/2330784.2330820

[Wagner & Kronberger, 2012] Wagner, S. & Kronberger, G. (2012). Algorithm and experiment design with heuristic lab: an open source optimization environment for research and education. *GECCO 2012 Specialized techniques and applications tutorials*, 1287–1316. https://doi.org/doi:10.1145/2330784.2330941

[Walker et al., 2012] Walker, D., Fieldsend, J., & Everson, R. (2012). Visualising many-objective populations. *GECCO 2012 Visualisation methods for genetic and evolutionary computation (VizGEC)*, 451–458. https://doi.org/doi:10.1145/2330784.2330853

[Whitley & Sutton, 2012] Whitley, D. & Sutton, A. (2012). Elementary landscapes: theory and applications. *GECCO 2012 Advanced tutorials*, 941–960. https://doi.org/doi:10.1145/2330784.2330924

[Wineberg, 2012] Wineberg, M. (2012). Statistical analysis for evolutionary computation: an introduction. *GECCO 2012 Advanced tutorials*, 895–916. https://doi.org/doi:10.1145/2330784.2330922

[Woodard & Clemons, 2012] Woodard, C. J. & Clemons, E. K. (2012). Modeling technology evolution using generalized genotype-phenotype maps. *GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS)*, 323–330. https://doi.org/doi:10.1145/2330784.2330831

[Woodward & Swan, 2012] Woodward, J. R. & Swan, J. (2012). The automatic generation of mutation operators for genetic algorithms. *GECCO 2012 2nd Workshop on Evolutionary Computation for the Automated Design of Algorithms*, 67–74. https://doi.org/doi:10.1145/2330784.2330796

[Yeboah-Antwi, 2012] Yeboah-Antwi, K. (2012). Evolving software applications using genetic programming – pushcalc: the evolved calculator. *Tenth GECCO Undergraduate Student Workshop*, 569–572. https://doi.org/doi:10.1145/2330784.2330875

[Yefimochkin et al., 2012] Yefimochkin, O., Neves, R., & Horta, N. (2012). An evolutionary approach to define investment strategies based on macroeconomic indicators and vix data. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1539–1540. https://doi.org/doi:10.1145/2330784.2331035

[Yoon & Kim, 2012] Yoon, D.-M. & Kim, K.-J. (2012). Comparison of scoring methods for interactive evolutionary computation based image retouching system. *GECCO 2012 Late breaking abstracts workshop*, 617–618. https://doi.org/doi:10.1145/2330784.2330887

[Zaefferer et al., 2012] Zaefferer, M., Bartz-Beielstein, T., Friese, M., Naujoks, B., & Flasch, O. (2012). Multi-criteria optimization for hard problems under limited budgets. *GECCO Companion '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference companion*, 1451–1452. https://doi.org/doi:10.1145/2330784.2330984

[Zaglauer, 2012] Zaglauer, S. (2012). The evolutionary algorithm samoa with use of dynamic constraints. *GECCO 2012 Late breaking abstracts workshop*, 635–636. https://doi.org/doi:10.1145/2330784.2330896

[Zhang et al., 2012] Zhang, X.-F., Koshimura, M., Fujita, H., & Hasegawa, R. (2012). Hybrid particle swarm optimization and convergence analysis for scheduling problems. *GECCO 2012 Evolutionary computation and multi-agent systems and simulation (ECoMASS)*, 307–314. https://doi.org/doi:10.1145/2330784.2330829