

## Список литературы

- [Akimoto & Auger, 2015] Akimoto, Y. & Auger, A. (2015). Theory of evolution strategies and related algorithms. *GECCO 2015 Advanced Tutorials*, 575–588. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756585>
- [Akimoto et al., 2015] Akimoto, Y., Auger, A., & Hansen, N. (2015). Continuous optimization and cma-es. *GECCO 2015 Introductory Tutorials*, 313–344. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756591>
- [Alba, 2015] Alba, E. (2015). Intelligent systems for smart cities. *GECCO 2015 Specialized Tutorials*, 707–722. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756563>
- [Aljawawdeh et al., 2015] Aljawawdeh, H. J., Simons, C. L., & Odeh, M. (2015). Metaheuristic design pattern: Preference. *GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15)*, 1257–1260. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768498>
- [Altin et al., 2015] Altin, L., Topcuoglu, H. R., & Ermis, M. (2015). Evolutionary dynamic optimization techniques for marine contamination problem. *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, 889–892. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768433>
- [Alyahya & Rowe, 2015] Alyahya, K. & Rowe, J. E. (2015). Landscape properties of the 0-1 knapsack problem. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1343–1344. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764688>
- [Ameca-Alducin et al., 2015] Ameca-Alducin, M.-Y., Mezura-Montes, E., & Cruz-Ramirez, N. (2015). Differential evolution with a repair method to solve dynamic constrained optimization problems. *GECCO'15 Student Workshop*, 1169–1172. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768471>
- [Araujo et al., 2015] Araujo, L., Martinez-Romo, J., & Duque, A. (2015). Grammatical evolution for identifying wikipedia taxonomies. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1345–1346. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764629>
- [Astete-Morales et al., 2015] Astete-Morales, S., Cauwet, M.-L., & Teytaud, O. (2015). Criteria and convergence rates in noisy optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1347–1348. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764722>
- [Atamna, 2015] Atamna, A. (2015). Benchmarking ipop-cma-es-tpa and ipop-cma-es-msr on the bbob noiseless testbed. *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, 1135–1142. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768467>
- [Atilgan & Hu, 2015] Atilgan, E. & Hu, J. (2015). A combinatorial genetic algorithm for computational doping based material design. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1349–1350. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764700>
- [Auerbach et al., 2015] Auerbach, J. E., Heitz, G., Kornatowski, P. M., & Floreano, D. (2015). Rapid evolution of robot gaits. *GECCO 2015 Late-Breaking Abstracts*, 743–744. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764894>
- [Ayodele et al., 2015] Ayodele, M., McCall, J., & Regnier-Coudert, O. (2015). Probabilistic model enhanced genetic algorithm for multi-mode resource constrained project scheduling problem. *GECCO 2015 Late-Breaking Abstracts*, 745–746. <https://doi.org/http://dx.doi.org/10.1145/2739482.2765535>

- [Bajer et al., 2015a] Bajer, L., Pitra, Z., & Holena, M. (2015a). Benchmarking gaussian processes and random forests surrogate models on the bboob noiseless testbed. *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, 1143–1150. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768468>
- [Bajer et al., 2015b] Bajer, L., Pitra, Z., & Holena, M. (2015b). Investigation of gaussian processes and random forests as surrogate models for evolutionary black-box optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1351–1352. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764692>
- [Baldominos et al., 2015] Baldominos, A., Saez, Y., & Isasi, P. (2015). Feature set optimization for physical activity recognition using genetic algorithms. *GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop*, 1311–1318. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768506>
- [Bankovic & Lopez-Garcia, 2015] Bankovic, Z. & Lopez-Garcia, P. (2015). Energy efficient allocation and scheduling for dvfs-enabled multicore environments using a multiobjective evolutionary algorithm. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1353–1354. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764645>
- [Benbassat & Henik, 2015] Benbassat, A. & Henik, A. (2015). Examining the stroop effect using a developmental spatial neuroevolution system. *GECCO 2015 Late-Breaking Abstracts*, 747–748. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764888>
- [Berger et al., 2015] Berger, B., Andino, A., Danise, A., & Rieffel, J. (2015). Growing and evolving vibrationally actuated soft robots. *GECCO'15 Student Workshop*, 1221–1224. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768485>
- [Bernatskiy & Bongard, 2015] Bernatskiy, A. & Bongard, J. C. (2015). Exploiting the relationship between structural modularity and sparsity for faster network evolution. *GECCO'15 Student Workshop*, 1173–1176. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768472>
- [Berny, 2015] Berny, A. (2015). Herding evolutionary algorithm. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1355–1356. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764660>
- [bin Wang et al., 2015] bin Wang, J., Chen, W.-N., Zhang, J., & Lin, Y. (2015). A dimension-decreasing particle swarm optimization method for portfolio optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1515–1516. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764652>
- [Bokhari & Wagner, 2015] Bokhari, M. & Wagner, M. (2015). Improving test coverage of formal verification systems via beam search. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1357–1358. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764670>
- [Boussaa et al., 2015] Boussaa, M., Barais, O., Sunye, G., & Baudry, B. (2015). A novelty search-based test data generator for object-oriented programs. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1359–1360. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764716>
- [Bozdogan et al., 2015] Bozdogan, C., Gokcen, Y., & Zincir, I. (2015). A preliminary investigation on the identification of peer to peer network applications. *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, 883–888. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768432>
- [Bredeche et al., 2015a] Bredeche, N., Doncieux, S., & Mouret, J.-B. (2015a). Tutorial on evolutionary robotics. *GECCO 2015 Introductory Tutorials*, 231–261. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756583>

- [Bredeche et al., 2015b] Bredeche, N., Haasdijk, E., & Prieto, A. (2015b). Elements of embodied evolutionary robotics. *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, 1247–1247. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768493>
- [Brizuela et al., 2015] Brizuela, C., Corona, R. I., Lezcano, C., Rodriguez, D., & Colbes, J. D. (2015). An experimental analysis of the performance of sidechain packing algorithms. *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, 929–933. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768440>
- [Brockhoff et al., 2015] Brockhoff, D., Bischl, B., & Wagner, T. (2015). The impact of initial designs on the performance of matsumoto on the noiseless bbob-2015 testbed: A preliminary study. *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, 1159–1166. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768470>
- [Brockhoff & Wagner, 2015] Brockhoff, D. & Wagner, T. (2015). Tutorial on evolutionary multiobjective optimization. *GECCO 2015 Introductory Tutorials*, 37–63. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756574>
- [Brookhouse & Otero, 2015] Brookhouse, J. & Otero, F. E. (2015). Discovering regression rules with ant colony optimization. *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, 1005–1012. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768450>
- [Brownlee et al., 2015] Brownlee, A. E., Woodward, J. R., & Swan, J. (2015). Metaheuristic design pattern: Surrogate fitness functions. *GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15)*, 1261–1264. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768499>
- [Bruce, 2015] Bruce, B. R. (2015). Energy optimisation via genetic improvement: A sbse technique for a new era in software development. *Genetic Improvement 2015 Workshop*, 819–820. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768420>
- [Burles et al., 2015] Burles, N., Swan, J., Bowles, E., Brownlee, A. E., Kocsis, Z. A., & Veerapen, N. (2015). Embedded dynamic improvement. *Genetic Improvement 2015 Workshop*, 831–832. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768423>
- [Buzdalov & Parfenov, 2015] Buzdalov, M. & Parfenov, V. (2015). Various degrees of steadiness in nsga-ii and their influence on the quality of results. *GECCO 2015 Late-Breaking Abstracts*, 749–750. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764887>
- [Buzdalova et al., 2015] Buzdalova, A., Matveeva, A., & Korneev, G. (2015). Selection of auxiliary objectives with multi-objective reinforcement learning. *GECCO'15 Student Workshop*, 1177–1180. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768473>
- [Cabassi & Locatelli, 2015] Cabassi, F. & Locatelli, M. (2015). A computational comparison of memetic differential evolution approaches. *GECCO'15 Student Workshop*, 1181–1184. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768474>
- [Cantoro et al., 2015] Cantoro, R., Gaudesi, M., Sanchez, E., & Squillero, G. (2015). Exploiting evolutionary computation in an industrial flow for the development of code-optimized microprocessor test programs. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1465–1466. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764673>
- [Cardenas-Montes et al., 2015] Cardenas-Montes, M., Vega-Rodriguez, M. A., Rodriguez-Vazquez, J. J., & Gomez-Iglesias, A. (2015). A comparison exercise on parallel evaluation of rosenbrock function. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1361–1362. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764641>

- [Chaabani et al., 2015] Chaabani, A., Bechikh, S., Ben Said, L., & Azzouz, R. (2015). An improved co-evolutionary decomposition-based algorithm for bi-level combinatorial optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1363–1364. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764701>
- [Chabin et al., 2015] Chabin, T., Tonda, A., & Lutton, E. (2015). Is global sensitivity analysis useful to evolutionary computation? *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1365–1366. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764675>
- [Chebbi & Chaouachi, 2015] Chebbi, O. & Chaouachi, J. (2015). Evolutionary approach for minimizing consumed energy in a personal rapid transit transportation system with a multi-depot network topology: Minimizing consumed energy in a prt system with a multi-depot network topology. *GECCO 2015 Late-Breaking Abstracts*, 751–752. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764892>
- [Chen et al., 2015a] Chen, L.-Y., Lee, P.-M., & Hsiao, T.-C. (2015a). Dynamically adding sensors to the xcs in multistep problems: A sensor tagging approach. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1367–1368. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764680>
- [Chen et al., 2015b] Chen, L.-Y., Lee, P.-M., & Hsiao, T.-C. (2015b). A novel representation of classifier conditions named sensory tag for the xcs in multistep problems. *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, 973–980. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768446>
- [Chennupati et al., 2015a] Chennupati, G., Azad, R. M. A., & Ryan, C. (2015a). On the automatic generation of efficient parallel iterative sorting algorithms. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1369–1370. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764695>
- [Chennupati et al., 2015b] Chennupati, G., Azad, R. M. A., & Ryan, C. (2015b). Synthesis of parallel iterative sorts with multi-core grammatical evolution. *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, 1059–1066. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768458>
- [Chivilikhin et al., 2015] Chivilikhin, D., Ivanov, I., & Shalyto, A. (2015). Inferring temporal properties of finite-state machine models with genetic programming. *GECCO'15 Student Workshop*, 1185–1188. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768475>
- [Christmas, 2015] Christmas, J. (2015). Genetic c programming with probabilistic evaluation. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1371–1372. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764642>
- [Cody-Kenny et al., 2015] Cody-Kenny, B., Galvan-Lopez, E., & Barrett, S. (2015). locogp: Improving performance by genetic programming java source code. *Genetic Improvement 2015 Workshop*, 811–818. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768419>
- [Coello Coello, 2015] Coello Coello, C. A. (2015). Constraint-handling techniques used with evolutionary algorithms. *GECCO 2015 Advanced Tutorials*, 367–389. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756561>
- [Cruz et al., 2015] Cruz, A., Machado, P., Assuncao, F., & Leitao, A. (2015). Elicit: Evolutionary computation visualization. *6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015)*, 949–956. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768443>
- [Cussat-Blanc & Banzhaf, 2015] Cussat-Blanc, S. & Banzhaf, W. (2015). Introduction to gene regulatory networks. *GECCO 2015 Advanced Tutorials*, 589–601. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756586>



- [Cutillas-Lozano et al., 2015] Cutillas-Lozano, J.-M., Franco, M.-A., & Gimenez, D. (2015). Comparing variable width backtracking and metaheuristics, experiments with the maximum diversity problem. *GECCO 2015 Late-Breaking Abstracts*, 753–754. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764883>
- [Davila, 2015] Davila, J. J. (2015). An empirical comparison of genetically evolved programs and evolved neural networks for multi-agent systems operating under dynamic environments. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1373–1374. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764717>
- [de Bokx et al., 2015] de Bokx, R., Thierens, D., & Bosman, P. A. (2015). In search of optimal linkage trees. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1375–1376. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764679>
- [De Jong, 2015] De Jong, K. A. (2015). Evolutionary computation: A unified approach. *GECCO 2015 Introductory Tutorials*, 21–35. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756576>
- [de las Cuevas Delgado et al., 2015] de las Cuevas Delgado, P., Merelo, J. J., & Garcia Sanchez, P. (2015). Soft computing techniques applied to corporate and personal security. *GECCO'15 Student Workshop*, 1193–1196. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768477>
- [Decock et al., 2015] Decock, J., Liu, J., & Tetaud, O. (2015). Variance reduction in population-based optimization: Application to unit commitment. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1377–1378. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764638>
- [Decroos et al., 2015] Decroos, T., De Causmaecker, P., & Demoen, B. (2015). Solving euclidean steiner tree problems with multi swarm optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1379–1380. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764676>
- [Degroote & De Causmaecker, 2015] Degroote, H. & De Causmaecker, P. (2015). Towards a knowledge base for performance data: A formal model for performance comparison. *GECCO'15 Student Workshop*, 1189–1192. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768476>
- [DeVautl et al., 2015] DeVautl, T., Forrest, S., Tanimoto, I., Soule, T., & Heckendorn, R. (2015). Learning from demonstration for distributed, encapsulated evolution of autonomous outdoor robots. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1381–1382. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764721>
- [Diaz Alvarez et al., 2015] Diaz Alvarez, J., Colmenar, J. M., Risco-Martin, J. L., Lanchares, J., & Garnica, O. (2015). Optimizing performance of l1 cache memory for embedded systems driven by differential evolution. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1383–1384. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764635>
- [Dorfer et al., 2015] Dorfer, V., Maltsev, S., Dreiseitl, S., Mechtler, K., & Winkler, S. M. (2015). A symbolic regression based scoring system improving peptide identifications for ms amanda. *GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop*, 1335–1341. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768509>
- [Drugan, 2015] Drugan, M. M. (2015). Synergies between evolutionary algorithms and reinforcement learning. *GECCO 2015 Specialized Tutorials*, 723–740. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756582>
- [Du et al., 2015] Du, X., Ni, Y., & Ye, P. (2015). A multi-objective evolutionary algorithm for rule-based performance optimization at software architecture level. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1385–1386. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764705>

- [Engelbrecht, 2015] Engelbrecht, A. (2015). Particle swarm optimization. *GECCO 2015 Introductory Tutorials*, 65–91. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756564>
- [Fatnassi & Chaouachi, 2015] Fatnassi, E. & Chaouachi, J. (2015). Design and development of a genetic algorithm for the distance constrained vehicle routing problem with environmental issues: Genetic algorithm for the green distance constrained vehicle routing problem. *GECCO 2015 Late-Breaking Abstracts*, 755–756. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764893>
- [Fernandez et al., 2015] Fernandez, S., Alvarez, S., Malatsetxebarria, E., Villedor, P., & Diaz, D. (2015). Performance comparison of ant colony algorithms for the scheduling of steel production lines. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1387–1388. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764658>
- [Ffrancon & Schoenauer, 2015] Ffrancon, R. & Schoenauer, M. (2015). Greedy semantic local search for small solutions. *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop*, 1293–1300. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768504>
- [Filipiak et al., 2015] Filipiak, P., Michalak, K., & Lipinski, P. (2015). Infeasibility driven evolutionary algorithm with the anticipation mechanism for the reaching goal in dynamic constrained inverse kinematics. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1389–1390. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764683>
- [Forstenlechner et al., 2015] Forstenlechner, S., Nicolau, M., Fagan, D., & O'Neill, M. (2015). Introducing semantic-clustering selection in grammatical evolution. *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop*, 1277–1284. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768502>
- [Freitas et al., 2015] Freitas, J. S., Garrozi, C., & Valenca, M. (2015). Insertion of artificial individuals to increase the diversity of multiobjective evolutionary algorithms. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1391–1392. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764663>
- [Gabler et al., 2015] Gabler, A., Colby, M., & Tumer, K. (2015). Learning based control of a fuel cell turbine hybrid power system. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1393–1394. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764699>
- [Gaier, 2015] Gaier, A. (2015). Evolutionary design via indirect encoding of non-uniform rational basis splines. *GECCO'15 Student Workshop*, 1197–1200. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768478>
- [Gao et al., 2015] Gao, W., Pourhassan, M., & Neumann, F. (2015). Runtime analysis of evolutionary diversity optimization and the vertex cover problem. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1395–1396. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764668>
- [Garza-Fabre et al., 2015] Garza-Fabre, M., Kandathil, S. M., Handl, J., Knowles, J. D., & Lovell, S. C. (2015). Using machine learning to explore the relevance of local and global features during conformational search in rosetta. *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, 935–938. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768441>
- [Garzon-Rodriguez et al., 2015] Garzon-Rodriguez, L. P., Diosa, H. A., & Rojas-Galeano, S. (2015). Deconstructing gas into visual software components. *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, 1125–1132. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768466>
- [Gaudesi et al., 2015] Gaudesi, M., Marcelli, A., Sanchez, E., Squillero, G., & Tonda, A. (2015). Malware obfuscation through evolutionary packers. *GECCO 2015 Late-Breaking Abstracts*, 757–758. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764940>

- [Ghassemi Toosi et al., 2015] Ghassemi Toosi, F., Nikolov, N. S., & Eaton, M. (2015). Evolving smart initial layouts for force-directed graph drawing. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1397–1398. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764653>
- [Golemo et al., 2015] Golemo, F., Markovic, M., Schoormans, J., De Jonge, P., Couwenberg, M., & Haasdijk, E. (2015). Simulating morphological evolution in large robot populations. *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, 1249–1250. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768494>
- [Gomes et al., 2015] Gomes, J., Mariano, P., & Christensen, A. L. (2015). Hyb-ccca: Cooperative coevolution of hybrid teams. *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, 1251–1252. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768495>
- [Gorji Sefidmazgi et al., 2015] Gorji Sefidmazgi, M., Moradi Kordmahalleh, M., & Homaifar, A. (2015). Identification of switched models in non-stationary time series based on coordinate-descent and genetic algorithm. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1399–1400. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764687>
- [Graham et al., 2015] Graham, K., Swan, J., & Martin, S. (2015). The 'blackboard pattern' for metaheuristics. *GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15)*, 1265–1267. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768500>
- [Haddadi & Zincir-Heywood, 2015] Haddadi, F. & Zincir-Heywood, A. N. (2015). Botnet detection system analysis on the effect of botnet evolution and feature representation. *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, 893–900. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768435>
- [Hamann, 2015] Hamann, H. (2015). Evolution of collective behaviors by minimizing surprisal and by micro-macro links. *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, 1253–1253. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768497>
- [Haraldsson & Woodward, 2015] Haraldsson, S. O. & Woodward, J. R. (2015). Genetic improvement of energy usage is only as reliable as the measurements are accurate. *Genetic Improvement 2015 Workshop*, 821–822. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768421>
- [Harman & Petke, 2015] Harman, M. & Petke, J. (2015). Gi4gi: Improving genetic improvement fitness functions. *Genetic Improvement 2015 Workshop*, 793–794. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768415>
- [Harris et al., 2015] Harris, S., Bueter, T., & Tauritz, D. R. (2015). A comparison of genetic programming variants for hyper-heuristics. *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, 1043–1050. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768456>
- [Hasegawa et al., 2015] Hasegawa, T., Tsukada, K., Mori, N., & Matsumoto, K. (2015). Adaptive evolution control with p-i similarity index for surrogate-assisted evolutionary computation. *GECCO 2015 Late-Breaking Abstracts*, 759–760. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764891>
- [Heinerman, 2015] Heinerman, J. (2015). Collective sharing of knowledge in a dream. *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, 1243–1244. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768491>
- [Heywood & Krawiec, 2015] Heywood, M. I. & Krawiec, K. (2015). Solving complex problems with coevolutionary algorithms. *GECCO 2015 Advanced Tutorials*, 547–573. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756580>

- [Hruska & Kubalik, 2015] Hruska, F. & Kubalik, J. (2015). Selection hyper-heuristic using a portfolio of derivative heuristics. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1401–1402. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764686>
- [Inostroza-Ponta et al., 2015] Inostroza-Ponta, M., Farfan, C., & Dorn, M. (2015). A memetic algorithm for protein structure prediction based on conformational preferences of aminoacid residues. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1403–1404. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764682>
- [Izidoro et al., 2015] Izidoro, S., Lacerda, A. M., & Pappa, G. L. (2015). Megass: Multi-objective genetic active site search. *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, 905–910. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768436>
- [Jankee et al., 2015] Jankee, C., Verel, S., Derbel, B., & Flonlupt, C. (2015). New adaptive selection strategies for distributed adaptive metaheuristic selection. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1405–1406. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764694>
- [Jia et al., 2015a] Jia, G., He, S., Zhu, Z., Liu, J., & Tang, K. (2015a). A multimodal optimization and surprise based consensus community detection algorithm. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1407–1408. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764656>
- [Jia et al., 2015b] Jia, Y., Wu, F., Harman, M., & Krinke, J. (2015b). Genetic improvement using higher order mutation. *Genetic Improvement 2015 Workshop*, 803–804. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768417>
- [Jimenez Laredo et al., 2015] Jimenez Laredo, J. L., Guinand, F., Olivier, D., & Bouvry, P. (2015). Trading off resource utilization and task migrations in dynamic load-balancing. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1409–1410. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764677>
- [Johnson & Woodward, 2015] Johnson, C. G. & Woodward, J. R. (2015). Fitness as task-relevant information accumulation. *Genetic Improvement 2015 Workshop*, 855–856. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768428>
- [Jung et al., 2015] Jung, C., Kim, Y.-H., Yoon, Y., & Moon, B.-R. (2015). An adaptive method of hungarian mating schemes in genetic algorithms. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1413–1414. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764669>
- [Jungjit & Freitas, 2015] Jungjit, S. & Freitas, A. (2015). A lexicographic multi-objective genetic algorithm for multi-label correlation based feature selection. *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, 989–996. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768448>
- [Karimpour & Ruhe, 2015] Karimpour, R. & Ruhe, G. (2015). A search based approach towards robust optimization in software product line scoping. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1415–1416. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764650>
- [Keedwell et al., 2015] Keedwell, E., Johns, M., & Savic, D. (2015). Spatial and temporal visualisation of evolutionary algorithm decisions in water distribution network optimisation. *6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015)*, 941–948. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768442>
- [Krynicky & Jaen, 2015] Krynicky, K. & Jaen, J. (2015). Antelephants: An extensible and scalable ant colony optimization middleware. *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, 1109–1116. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768464>



- [Kumar et al., 2015] Kumar, U., Jayadeva, & Soman, S. (2015). Enhancing incremental ant colony algorithm for continuous global optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1417–1418. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764661>
- [Landsborough et al., 2015] Landsborough, J., Harding, S., & Fugate, S. (2015). Removing the kitchen sink from software. *Genetic Improvement 2015 Workshop*, 833–838. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768424>
- [Langdon & Harman, 2015] Langdon, W. B. & Harman, M. (2015). Grow and graft a better cuda pknotsrg for rna pseudoknot free energy calculation. *Genetic Improvement 2015 Workshop*, 805–810. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768418>
- [Lehre & Oliveto, 2015] Lehre, P. K. & Oliveto, P. S. (2015). Runtime analysis of evolutionary algorithms: Basic introduction. *GECCO 2015 Introductory Tutorials*, 121–136. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756588>
- [Lessin & Risi, 2015] Lessin, D. & Risi, S. (2015). Evolved virtual creatures with soft-body muscles: On a bio-mimetic path to meaningful morphological complexity. *GECCO 2015 Late-Breaking Abstracts*, 761–762. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764897>
- [Li et al., 2015] Li, H.-H., Chen, Z.-G., Zhan, Z.-H., Du, K.-J., & Zhang, J. (2015). Renumber coevolutionary multiswarm particle swarm optimization for multi-objective workflow scheduling on cloud computing environment. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1419–1420. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764632>
- [Liang et al., 2015] Liang, L., Han, H., Zhaoquan, C., & Hui, H. (2015). Using particle swarm large-scale optimization to improve sampling-based image matting. *6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015)*, 957–961. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768444>
- [Liskowski et al., 2015] Liskowski, P., Krawiec, K., Helmuth, T., & Spector, L. (2015). Comparison of semantic-aware selection methods in genetic programming. *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop*, 1301–1307. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768505>
- [Lobato et al., 2015] Lobato, F. M., Tadaiesky, V. W., Araujo, I. M., & de Santana, A. L. (2015). An evolutionary missing data imputation method for pattern classification. *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, 1013–1019. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768451>
- [Lobo & Bazargani, 2015] Lobo, F. G. & Bazargani, M. (2015). When hillclimbers beat genetic algorithms in multimodal optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1421–1422. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764666>
- [Lopez-Garcia et al., 2015] Lopez-Garcia, P., Onieva, E., Osaba, E., Masegosa, A. D., & Perallos, A. (2015). Hybridizing genetic algorithm with cross entropy for solving continuous functions. *GECCO 2015 Late-Breaking Abstracts*, 763–764. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764881>
- [Lopez-Herrejon et al., 2015] Lopez-Herrejon, R. E., Linsbauer, L., Assuncao, W. K., Fischer, S., Vergilio, S. R., & Egyed, A. (2015). Genetic improvement for software product lines: An overview and a roadmap. *Genetic Improvement 2015 Workshop*, 823–830. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768422>
- [Machado et al., 2015] Machado, J., Neves, R., & Horta, N. (2015). Developing multi-time frame trading rules with a trend following strategy, using ga. *GECCO 2015 Late-Breaking Abstracts*, 765–766. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764885>

- [Madera et al., 2015] Madera, Q., Garcia-Valdez, M., Castillo, O., & Mancilla, A. (2015). A method based on interactive evolutionary computation for increasing the effectiveness of advertisement texts. *GECCO'15 Student Workshop*, 1225–1228. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768486>
- [Margarida & Antunes, 2015] Margarida, D. & Antunes, C. H. (2015). Multi-objective optimization of sensor placement to detect contamination in water distribution networks. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1423–1424. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764639>
- [Mariot & Leporati, 2015] Mariot, L. & Leporati, A. (2015). Heuristic search by particle swarm optimization of boolean functions for cryptographic applications. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1425–1426. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764674>
- [Marti et al., 2015] Marti, L., Grimme, C., Kerschke, P., Trautmann, H., & Rudolph, G. (2015). Averaged hausdorff approximations of pareto fronts based on multiobjective estimation of distribution algorithms. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1427–1428. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764631>
- [Martin et al., 2015] Martin, M. A., Bertels, A. R., & Tauritz, D. R. (2015). Asynchronous parallel evolutionary algorithms: Leveraging heterogeneous fitness evaluation times for scalability and elitist parsimony pressure. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1429–1430. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764718>
- [Martin & Tauritz, 2015] Martin, M. A. & Tauritz, D. R. (2015). Hyper-heuristics: A study on increasing primitive-space. *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, 1051–1058. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768457>
- [Martinez et al., 2015] Martinez, J., Rossi, G., Ziadi, T., Bissyande, T. F. D. A., Klein, J., & Le Traon, Y. (2015). Estimating and predicting average likability on computer-generated artwork variants. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1431–1432. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764681>
- [Martins & Delbem, 2015] Martins, J. P. & Delbem, A. C. (2015). Handling crossover bias to improve diversity in multiobjective evolutionary optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1433–1434. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764703>
- [McCall et al., 2015] McCall, J. A., Christie, L. A., & Brownlee, A. E. (2015). Generating easy and hard problems using the proximate optimality principle. *GECCO 2015 Late-Breaking Abstracts*, 767–768. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764890>
- [Medernach et al., 2015a] Medernach, D., Fitzgerald, J., Azad, R. M. A., & Ryan, C. (2015a). Wave: A genetic programming approach to divide and conquer. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1435–1436. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764659>
- [Medernach et al., 2015b] Medernach, D., Fitzgerald, J., Azad, R. M. A., & Ryan, C. (2015b). Wave: Incremental erosion of residual error. *GECCO 2015 Semantic Methods in Genetic Programming (SMGP'15) Workshop*, 1285–1292. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768503>
- [Menendez & Camacho, 2015] Menendez, H. D. & Camacho, D. (2015). Mogcla: A multi-objective genetic clustering algorithm for large data analysis. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1437–1438. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764689>

- [Merelo-Guervos, 2015] Merelo-Guervos, J. J. (2015). Low or no cost distributed evolutionary computation. *GECCO 2015 Specialized Tutorials*, 703–706. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756560>
- [Merelo-Guervos & Garcia-Sanchez, 2015] Merelo-Guervos, J. J. & Garcia-Sanchez, P. (2015). Designing and modeling a browser-based distributed evolutionary computation system. *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, 1117–1124. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768465>
- [Miikkulainen, 2015] Miikkulainen, R. (2015). Evolving neural networks. *GECCO 2015 Introductory Tutorials*, 137–161. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756577>
- [Miller & Broersma, 2015] Miller, J. & Broersma, H. (2015). Computational matter: Evolving computational solutions in materials. *GECCO 2015 Late-Breaking Abstracts*, 769–770. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764939>
- [Miller & Turner, 2015] Miller, J. & Turner, A. (2015). Cartesian genetic programming. *GECCO 2015 Introductory Tutorials*, 179–198. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756571>
- [Mirjalili & Lewis, 2015] Mirjalili, S. & Lewis, A. (2015). A reliable and computationally cheap approach for finding robust optimal solutions. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1439–1440. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764640>
- [Mironovich & Buzdalov, 2015] Mironovich, V. & Buzdalov, M. (2015). Hard test generation for maximum flow algorithms with the fast crossover-based evolutionary algorithm. *GECCO'15 Student Workshop*, 1229–1232. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768487>
- [Miyakawa et al., 2015] Miyakawa, M., Takadama, K., & Sato, H. (2015). Control of crossed genes ratio for directed mating in evolutionary constrained multi-objective optimization. *GECCO'15 Student Workshop*, 1201–1204. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768480>
- [Moraglio & Krawiec, 2015] Moraglio, A. & Krawiec, K. (2015). Semantic genetic programming. *GECCO 2015 Advanced Tutorials*, 603–627. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756587>
- [Mousavi Astarabadi & Ebadzadeh, 2015] Mousavi Astarabadi, S. S. & Ebadzadeh, M. M. (2015). Avoiding overfitting in symbolic regression using the first order derivative of gp trees. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1441–1442. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764662>
- [Mrazek et al., 2015] Mrazek, V., Vasicek, Z., & Sekanina, L. (2015). Evolutionary approximation of software for embedded systems: Median function. *Genetic Improvement 2015 Workshop*, 795–801. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768416>
- [Mu & Hoos, 2015] Mu, Z. & Hoos, H. H. (2015). Empirical scaling analyser: An automated system for empirical analysis of performance scaling. *GECCO 2015 Late-Breaking Abstracts*, 771–772. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764898>
- [Mueller-Bady et al., 2015] Mueller-Bady, R., Gad, R., Kappes, M., & Medina-Bulo, I. (2015). Using genetic algorithms for deadline-constrained monitor selection in dynamic computer networks. *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, 867–874. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768430>
- [n. Browne, 2015] n. Browne, W. (2015). Back to the future: Learning classifier systems as cognitive systems. *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, 1037–1037. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768454>

- [Najar et al., 2015] Najar, A., Sigaud, O., & Chetouani, M. (2015). Socially guided xcs: Using teaching signals to boost learning. *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, 1021–1028. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768452>
- [Nebro et al., 2015] Nebro, A. J., Durillo, J. J., & Vergne, M. (2015). Redesigning the jmetal multi-objective optimization framework. *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, 1093–1100. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768462>
- [Neumann & Sutton, 2015] Neumann, F. & Sutton, A. M. (2015). Parameterized complexity analysis of evolutionary algorithms. *GECCO 2015 Advanced Tutorials*, 435–450. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756562>
- [Nielsen et al., 2015] Nielsen, S. S., Danoy, G., Bouvry, P., & Talbi, E.-G. (2015). Nk landscape instances mimicking the protein inverse folding problem towards future benchmarks. *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, 915–921. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768438>
- [Nouri et al., 2015] Nouri, H. E., Belkahla Driss, O., & Ghedira, K. (2015). Metaheuristics based on clustering in a holonic multiagent model for the flexible job shop problem. *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, 997–1004. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768449>
- [Oprescu et al., 2015] Oprescu, A.-M., (Vintila) Filip, A., & Kielmann, T. (2015). Fast pareto front approximation for cloud instance pool optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1443–1444. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764720>
- [O'Reilly, 2015] O'Reilly, U.-M. (2015). Genetic programming: A tutorial introduction. *GECCO 2015 Introductory Tutorials*, 3–19. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756592>
- [Overbury & Berthouze, 2015] Overbury, P. & Berthouze, L. (2015). Using novelty-biased ga to sample diversity in graphs satisfying constraints. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1445–1446. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764637>
- [Ozkan et al., 2015] Ozkan, O., Ermis, M., & Bekmezci, I. (2015). A hybrid matheuristic approach for designing reliable wireless multimedia sensor networks. *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, 875–882. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768431>
- [Pallez et al., 2015] Pallez, D., Serrurier, M., da Costa Pereira, C., Fusco, G., & Cao, C. (2015). Social specialization of space: Clustering households on the french riviera. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1447–1448. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764665>
- [Papa et al., 2015] Papa, J. P., Rosa, G. H., Costa, K. A., Marana, N. A., Scheirer, W., & Cox, D. D. (2015). On the model selection of bernoulli restricted boltzmann machines through harmony search. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1449–1450. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764628>
- [Pappa et al., 2015] (2015). *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*. <http://dl.acm.org/citation.cfm?id=2739480>
- [Park et al., 2015] Park, J., Nguyen, S., Zhang, M., & Johnston, M. (2015). A single population genetic programming based ensemble learning approach to job shop scheduling. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1451–1452. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764651>



- [Patelli et al., 2015] Patelli, A., Bencomo, N., Ekart, A., Goldingay, H., & Lewis, P. (2015). Two-b or not two-b?: Design patterns for hybrid metaheuristics. *GECCO 2015 2nd Workshop on Metaheuristic Design Patterns (MetaDeeP'15)*, 1269–1274. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768501>
- [Pereira & Lobo, 2015] Pereira, J. C. & Lobo, F. G. (2015). Parameter-less evolutionary portfolio: First experiments. *GECCO 2015 Late-Breaking Abstracts*, 773–774. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764886>
- [Perry & Bader-El-Den, 2015] Perry, T. & Bader-El-Den, M. (2015). Imbalanced classification using genetically optimized random forests. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1453–1454. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764712>
- [Petrova & Buzdalova, 2015] Petrova, I. & Buzdalova, A. (2015). Selection of auxiliary objectives in the travelling salesman problem using reinforcement learning. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1455–1456. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764646>
- [Picek et al., 2015] Picek, S., Miller, J. F., Jakobovic, D., & Batina, L. (2015). Cartesian genetic programming approach for generating substitution boxes of different sizes. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1457–1458. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764698>
- [Posik & Baudis, 2015] Posik, P. & Baudis, P. (2015). Dimension selection in axis-parallel brent-step method for black-box optimization of separable continuous functions. *Black Box Optimization Benchmarking (BBOB 2015) Workshop*, 1151–1158. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768469>
- [Preuss, 2015] Preuss, M. (2015). Multimodal optimization. *GECCO 2015 Introductory Tutorials*, 293–312. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756572>
- [Probst, 2015] Probst, M. (2015). Denoising autoencoders for fast combinatorial black box optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1459–1460. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764691>
- [Rabanal et al., 2015] Rabanal, P., Rodriguez, I., & Rubio, F. (2015). On the uselessness of finite benchmarks to assess evolutionary and swarm methods. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1461–1462. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764672>
- [Ramirez et al., 2015] Ramirez, A., Romero, J. R., & Ventura, S. (2015). An extensible jclec-based solution for the implementation of multi-objective evolutionary algorithms. *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, 1085–1092. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768461>
- [Ramirez-Atencia et al., 2015] Ramirez-Atencia, C., Bello-Orgaz, G., R-Moreno, M. D., & Camacho, D. (2015). A hybrid moga-csp for multi-uav mission planning. *GECCO'15 Student Workshop*, 1205–1208. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768481>
- [Raß et al., 2015] Raß, A., Schmitt, M., & Wanka, R. (2015). Explanation of stagnation at points that are not local optima in particle swarm optimization by potential analysis. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1463–1464. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764654>
- [Riff & Montero, 2015] Riff, M.-C. & Montero, E. (2015). A collaborative strategy to reduce initial setup requirements of paramils using evoca. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1467–1468. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764696>

- [Rivero et al., 2015] Rivero, D., Fernandez-Blanco, E., Dorado, J., & Pazos, A. (2015). Classification of two-channel signals by means of genetic programming. *GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop*, 1319–1325. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768507>
- [Rojas et al., 2015] Rojas, N., Montero, E., & Riff, M.-C. (2015). Using anti-pheromone to identify core objects for multidimensional knapsack problems: A two-step ants based approach. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1469–1470. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764713>
- [Rothlauf, 2015] Rothlauf, F. (2015). Representations for evolutionary algorithms. *GECCO 2015 Introductory Tutorials*, 345–366. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756593>
- [Runka & White, 2015] Runka, A. & White, T. (2015). Evolving neurocontrollers for the control of information diffusion in social networks. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1471–1472. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764630>
- [Rush et al., 2015] Rush, G., Tauritz, D. R., & Kent, A. D. (2015). Coevolutionary agent-based network defense lightweight event system (candles). *SecDef'2015 - Workshop on genetic and evolutionary computation in defense, security and risk management*, 859–866. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768429>
- [Ryser-Welch et al., 2015a] Ryser-Welch, P., Miller, J. F., & Asta, S. (2015a). Evolutionary cross-domain hyper-heuristics. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1473–1474. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764644>
- [Ryser-Welch et al., 2015b] Ryser-Welch, P., Miller, J. F., & Asta, S. (2015b). Generating human-readable algorithms for the travelling salesman problem using hyper-heuristics. *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, 1067–1074. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768459>
- [Salah & Hart, 2015] Salah, A. & Hart, E. (2015). Grid diversity operator for some population-based optimization algorithms. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1475–1476. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764664>
- [Santana et al., 2015] Santana, R., Mendiburu, A., & Lozano, J. A. (2015). Multi-objective nm-landscapes. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1477–1478. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764704>
- [Santucci et al., 2015] Santucci, V., Baiocchi, M., & Milani, A. (2015). An algebraic differential evolution for the linear ordering problem. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1479–1480. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764693>
- [Sapin et al., 2015] Sapin, E., De Jong, K., & Shehu, A. (2015). Mapping multiple minima in protein energy landscapes with evolutionary algorithms. *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, 923–927. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768439>
- [Sato et al., 2015] Sato, H., Miyakawa, M., & Perez-Cortes, E. (2015). A parallel moea/d generating solutions in minimum overlapped update ranges of solutions. *GECCO 2015 Late-Breaking Abstracts*, 775–776. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764889>

- [Scheibenpflug et al., 2015] Scheibenpflug, A., Beham, A., Kommenda, M., Karder, J., Wagner, S., & Affenzeller, M. (2015). Simplifying problem definitions in the heuristiclab optimization environment. *GECCO 2015 Workshop on Evolutionary Computation Software Systems (EvoSoft'15)*, 1101–1108. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768463>
- [Schmitt et al., 2015] Schmitt, J., Seufert, S., Zoubek, C., & Koestler, H. (2015). Potential-field-based unit behavior optimization for balancing in starcraft ii. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1481–1482. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764643>
- [Schulte et al., 2015] Schulte, E. M., Weimer, W., & Forrest, S. (2015). Repairing cots router firmware without access to source code or test suites: A case study in evolutionary software repair. *Genetic Improvement 2015 Workshop*, 847–854. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768427>
- [Scott & Bassett, 2015] Scott, E. O. & Bassett, J. K. (2015). Learning genetic representations for classes of real-valued optimization problems. *GECCO 2015 5th Workshop on Evolutionary Computation for the Automated Design of Algorithms (ECADA'15)*, 1075–1082. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768460>
- [Scott & De Jong, 2015] Scott, E. O. & De Jong, K. A. (2015). Evaluation-time bias in asynchronous evolutionary algorithms. *GECCO'15 Student Workshop*, 1209–1212. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768482>
- [Shehu & De Jong, 2015] Shehu, A. & De Jong, K. (2015). Evolutionary algorithms for protein structure modeling. *GECCO 2015 Advanced Tutorials*, 533–545. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756569>
- [Sher, 2015] Sher, G. (2015). Momentum enhanced neuroevolution. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1483–1484. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764709>
- [Sim & Hart, 2015] Sim, K. & Hart, E. (2015). A novel heuristic generator for jssp using a tree-based representation of dispatching rules. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1485–1486. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764697>
- [Smith, 2015] Smith, S. L. (2015). Medical applications of evolutionary computation. *GECCO 2015 Specialized Tutorials*, 651–679. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756567>
- [Soares et al., 2015] Soares, A. M., Fernandes, B. J., & Bastos-Filho, C. J. (2015). Pyramidal neural networks with variable receptive fields designed by genetic algorithms. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1487–1488. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764684>
- [Spector, 2015] Spector, L. (2015). Expressive genetic programming. *GECCO 2015 Advanced Tutorials*, 409–434. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756578>
- [Stanley, 2015] Stanley, K. O. (2015). Generative and developmental systems tutorial. *GECCO 2015 Advanced Tutorials*, 503–532. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756568>
- [Stehling et al., 2015] Stehling, T. M., DE Souza, S. R., & De Franca Filho, M. F. (2015). A hybrid particle swarm optimization for solving vehicle routing problem with time windows. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1489–1490. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764719>
- [Steyven et al., 2015] Steyven, A., Hart, E., & Paechter, B. (2015). The cost of communication: Environmental pressure and survivability in medea. *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, 1239–1240. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768489>

- [Stoean et al., 2015] Stoean, C., Stoean, R., Sandita, A., Mesina, C., Gruia, C. L., & Ciobanu, D. (2015). Evolutionary search for an accurate contour segmentation in histopathological images. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1491–1492. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764690>
- [Stuetzle & Lopez-Ibanez, 2015] Stuetzle, T. & Lopez-Ibanez, M. (2015). Automatic (offline) configuration of algorithms. *GECCO 2015 Specialized Tutorials*, 681–702. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756581>
- [Sudholt, 2015] Sudholt, D. (2015). Theory of swarm intelligence. *GECCO 2015 Advanced Tutorials*, 451–471. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756570>
- [Sun et al., 2015] Sun, Y., Kirley, M., & Halgamuge, S. K. (2015). On the selection of decomposition methods for large scale fully non-separable problems. *GECCO'15 Student Workshop*, 1213–1216. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768483>
- [Sungu & Boz, 2015] Sungu, G. & Boz, B. (2015). An evolutionary algorithm for weighted graph coloring problem. *GECCO'15 Student Workshop*, 1233–1236. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768488>
- [Takadama, 2015] Takadama, K. (2015). A potential of evolutionary rule-based machine learning for real world applications. *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, 1039–1040. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768455>
- [Tanabe, 2015] Tanabe, R. (2015). A note on multi-funnel functions for expensive optimization scenario. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1493–1494. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764671>
- [Thierens & Bosman, 2015] Thierens, D. & Bosman, P. A. (2015). Model-based evolutionary algorithms. *GECCO 2015 Introductory Tutorials*, 93–120. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756584>
- [Tomassini, 2015] Tomassini, M. (2015). Introduction to complex networks. *GECCO 2015 Introductory Tutorials*, 163–178. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756565>
- [Trueba et al., 2015] Trueba, P., Prieto, A., Bellas, F., & Duro, R. J. (2015). Embodied evolution for collective indoor surveillance and location. *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, 1241–1242. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768490>
- [Trunfio, 2015] Trunfio, G. A. (2015). An effective approach for adapting the size of subcomponents in large-scale optimization with cooperative coevolution. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1495–1496. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764711>
- [Tsang & Lau, 2015] Tsang, W. W. & Lau, H. Y. (2015). A grid-facilitated ais-based network scheme for many-objective optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1497–1498. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764715>
- [Tsutsui & Fujimoto, 2015] Tsutsui, S. & Fujimoto, N. (2015). A comparative study of synchronization of parallel aco on multi-core processor. *GECCO 2015 Late-Breaking Abstracts*, 777–778. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764895>
- [Turner & Miller, 2015] Turner, A. J. & Miller, J. F. (2015). Recurrent cartesian genetic programming applied to series forecasting. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1499–1500. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764647>



- [Ugolotti & Cagnoni, 2015] Ugolotti, R. & Cagnoni, S. (2015). Automatic tuning of standard pso versions. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1501–1502. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764706>
- [Urbanowicz & Browne, 2015] Urbanowicz, R. & Browne, W. (2015). Introducing rule-based machine learning: A practical guide. *GECCO 2015 Introductory Tutorials*, 263–292. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756590>
- [Urbanowicz et al., 2015] Urbanowicz, R., Ramanand, N., & Moore, J. (2015). Continuous endpoint data mining with exstracs: A supervised learning classifier system. *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, 1029–1036. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768453>
- [Urquhart et al., 2015] Urquhart, N. B., Hart, E., & Judson, A. (2015). Multi-modal employee routing with time windows in an urban environment. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1503–1504. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764649>
- [Varela & Santos, 2015] Varela, D. & Santos, J. (2015). Combination of differential evolution and fragment-based replacements for protein structure prediction. *GECCO 2015 Workshop on Evolutionary Computation in Computational Structural Biology*, 911–914. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768437>
- [Vargas et al., 2015] Vargas, D. V., Takano, H., & Murata, J. (2015). The relationship between (un)fractured problems and division of input space. *GECCO 2015 Evolutionary Rule-based Machine Learning (formerly the International Workshop on Learning Classifier Systems)*, 981–987. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768447>
- [Vasicek & Sekanina, 2015] Vasicek, Z. & Sekanina, L. (2015). Evolutionary approximation of complex digital circuits. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1505–1506. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764657>
- [Velasco et al., 2015] Velasco, J. M., Winkler, S., Hidalgo, J. I., Garnica, O., Lanchares, J., Colmenar, J. M., Maqueda, E., Botella, M., & Rubio, J.-A. (2015). Data-based identification of prediction models for glucose. *GECCO 2015 Medical Applications of Genetic and Evolutionary Computation (MedGEC'15) Workshop*, 1327–1334. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768508>
- [Verbancsics, 2015] Verbancsics, P. (2015). Impact of speciation heuristic on crossover and search in neat. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1509–1510. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764667>
- [Verbancsics & Harguess, 2015] Verbancsics, P. & Harguess, J. (2015). Classifying maritime vessels from satellite imagery with hyperneat. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1507–1508. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764634>
- [von Luecken et al., 2015] von Luecken, C., Monzon, H., Brizuela, C., & Baran, B. (2015). Dimensionality reduction in many-objective problems combining pca and spectral clustering. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1511–1512. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764636>
- [Wagy & Bongard, 2015] Wagy, M. D. & Bongard, J. C. (2015). Crowdsourcing robot design. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1513–1514. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764648>

- [Walker, 2015] Walker, D. J. (2015). Visualising multi-objective populations with treemaps. *6th Workshop on Visualisation Methods in Genetic and Evolutionary Computation (VizGEC 2015)*, 963–970. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768445>
- [Watkins & Buttkewitz, 2015] Watkins, C. & Buttkewitz, Y. (2015). Efficient sampling with small populations: a genetic algorithm satisfying detailed balance. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1517–1518. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764708>
- [Weiss Cohen et al., 2015] Weiss Cohen, M., Dahan, A., & Kaspi, I. (2015). Software system for container vessel stowage planning using genetic algorithm. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1519–1520. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764633>
- [White & Singer, 2015] White, D. R. & Singer, J. (2015). Rethinking genetic improvement programming. *Genetic Improvement 2015 Workshop*, 845–846. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768426>
- [White et al., 2015] White, D. R., Yoo, S., & Singer, J. (2015). The programming game: Evaluating mcts as an alternative to gp for symbolic regression. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1521–1522. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764655>
- [Whitley, 2015] Whitley, D. (2015). Blind no more: Constant time non-random improving moves and exponentially powerful recombination. *GECCO 2015 Advanced Tutorials*, 391–407. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756575>
- [Woodward & Tauritz, 2015] Woodward, J. R. & Tauritz, D. R. (2015). Hyper-heuristics. *GECCO 2015 Introductory Tutorials*, 199–230. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756579>
- [Wu et al., 2015] Wu, Y.-M., Chen, L.-Y., Lee, P.-M., & Hsiao, T.-C. (2015). Enable the xcs to dynamically learn multiple problems: A sensor tagging approach. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1523–1524. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764685>
- [Xie et al., 2015] Xie, J., Mei, Y., & Song, A. (2015). Evolving self-adaptive tabu search algorithm for storage location assignment problems. *GECCO 2015 Late-Breaking Abstracts*, 779–780. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764896>
- [Yang, 2015] Yang, S. (2015). Evolutionary computation for dynamic optimization problems. *GECCO 2015 Advanced Tutorials*, 629–649. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756589>
- [Yeboah-Antwi & Baudry, 2015] Yeboah-Antwi, K. & Baudry, B. (2015). Embedding adaptivity in software systems using the ecseir framework. *Genetic Improvement 2015 Workshop*, 839–844. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768425>
- [Yliniemi & Tumer, 2015] Yliniemi, L. & Tumer, K. (2015). Complete multi-objective coverage with paccet. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1525–1526. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764702>
- [Zahadat et al., 2015] Zahadat, P., Hamann, H., & Schmickl, T. (2015). Evolving diverse collective behaviors independent of swarm density. *GECCO 2015 Evolving Collective Behaviors in Robotics (ECBR'15) Workshop*, 1245–1246. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768492>
- [Zegklitz & Posik, 2015a] Zegklitz, J. & Posik, P. (2015a). Model selection and overfitting in genetic programming: Empirical study. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1527–1528. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764678>

- [Zegklitz & Posik, 2015b] Zegklitz, J. & Posik, P. (2015b). Symbolic regression by grammar-based multi-gene genetic programming. *GECCO'15 Student Workshop*, 1217–1220. <https://doi.org/http://dx.doi.org/10.1145/2739482.2768484>
- [Zhang & Cagnoni, 2015] Zhang, M. & Cagnoni, S. (2015). Evolutionary image analysis, signal processing and pattern recognition. *GECCO 2015 Advanced Tutorials*, 473–502. <https://doi.org/http://dx.doi.org/10.1145/2739482.2756566>
- [Zhang & Deng, 2015] Zhang, M. & Deng, Y. (2015). An improved artificial fish swarm algorithm in image segmentation application. *GECCO 2015 Late-Breaking Abstracts*, 781–782. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764882>
- [Zheng et al., 2015] Zheng, J., Bai, H., Shen, R., & Li, M. (2015). A comparative study use of otl for many-objective optimization. *GECCO Companion '15: Proceedings of the Companion Publication of the 2015 on Genetic and Evolutionary Computation Conference*, 1411–1412. <https://doi.org/http://dx.doi.org/10.1145/2739482.2764707>